TPS PROUD
TOLEDO PUBLIC SCHOOLS

High School

COURSE DESCRIPTION

G U I D E

2021-2022

Student-Centered

Accountability-Based Management

Building Stronger Relationships

Technology Oriented

Rigorous Curriculum

Develop a Culture of High Expectations

Available online at: TPS Intranet and www.tps.org

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Follow the links on the next two pages to learn about Toledo Public Schools' course offerings, programs, and graduation requirements for our High School students. If you have any questions, be sure to speak with your school Counselor or Assistant Principal of Curriculum.

TOLEDO PUBLIC SCHOOLS DISTRICT WIDE ACADEMIES ADDITIONAL COURSE LISTINGS

COURSE LISTINGS BY DEPARTMENT

Tracking Tools

Letter from the Superintendent

Toledo Public Schools
Office of the CEO/Superintendent
Toledo Public Schools Educational Campus
1609 N. Summit St. • Toledo, Ohio 43604

Dear Students, Parents, Guardians and Community Members:

Determination. Perseverance. Commitment. These are just a few of the words that come to mind when I reflect on the challenges that our students have faced and in many instances successfully overcome because of the global pandemic.

As you plan for your high school path during this time of uncertainty, please know that one thing remains constant: my commitment to you and your education. Everyone associated with Toledo Public Schools understands that our mission is to produce competitive college and career ready graduates and we stand ready to make that mission a reality.

As you review the High School Course Guide for the 2021-2022 school year, you will find it is filled with valuable information about TPS and our wide variety of courses and program offerings. I hope this guide becomes a valuable resource to help you develop your path to graduation day.

The Toledo Public School District offers many ways to support the academic interests of all students, including our magnet high schools that concentrate on aerospace and natural science, innovative technology and the world of business. Other offerings to consider:

- A rigorous Career Tech program with more than 30 industries students can explore while still in high school. Many of the Career Tech courses offer college credit.
- The College Credit Plus (CCP) program that allows high school students to start earning college credits while still at TPS.
- Energy, manufacturing and electronics classes at five TPS high schools – offered through the federal Youth Career Connect Grant – that provide students' with liaisons and career and college coaches through partnerships with local businesses and universities.
- And of course…along with an array of college-prep and career-focused courses, students can get involved in a school club or one of our many athletic programs.

I urge you to take the time to carefully review this course guide and ask yourself what courses best fit your future goals and aspirations. If you have questions or need more information, do not hesitate to ask your counselor.

As I close this letter, I find myself going back to where I started. Determination. Perseverance. Commitment. Let those words guide you through your final years of school and far into the future. As always, I want to extend a special thank you to the parents and guardians who have entrusted TPS with the education of their children. I take that responsibility seriously and continue to look for new ways to engage our students.

Thank you for being TPS Proud!

Dr. Romules Durant
CEO/Superintendent

Directory

Dr. Romules Durant, Superintendent 419-671-0500
James Gault, Executive Transformational Leader of Curriculum 419-671-0420
Toledo Board of Education: 419-671-0550
Board members: Sheena Barnes, Stephanie Eichenberg, Polly Taylor-Gerken, Chris Varwig, and Bob Vasquez

The Toledo Board of Education is committed to equal educational and employment opportunities in all of its decisions, programs, and activities. Toledo Public School district will not discriminate against any student on the basis of race, color, religion, sex, national origin, or handicap. The Board of Education is pledged to provide equal employment opportunities to all persons without regard to race, color, religion, sex, handicapping condition or national origin. The district complies with the nondiscrimination requirements of Title VI, IX, and Section 504

High Schools:

Aerospace and Natural Science Academy 419-671-1700

Bowsher 419-671-2000

Serving Arlington, Beverly, Beverly-Educare and Kobacker, Burroughs, Byrnedale, Glendale-Feilbach, Harvard, Walbridge Elementary Schools

Jones Leadership Academy of Business 419-671-5400

Rogers 419-671-1000

Serving Hawkins, Keyser, McTigue, and Reynolds Elementary Schools

Scott 419-671-4000

Serving Glenwood, King, Old West End, Pickett, Robinson, Rosa Parks, and Stewart Elementary Schools

Start 419-671-3000

Serving Elmhurst, DeVeaux, Grove Patterson, Larchmont, Longfellow, McKinley, Old Orchard, and Whittier Elementary Schools

Toledo Early College High School 419-671-4800

Toledo Technology Academy 419-671-3900

Waite 419-671-7000

Serving Birmingham, East Broadway, Garfield, Marshall, Navarre, Oakdale, and Raymer Elementary Schools

Westfield at Phoenix 419-671-5200

Woodward 419-671-6000

Serving Chase, Edgewater, Leverette, Ottawa River, Riverside, Sherman, and Spring Elementary School

Mission
Toledo Public Schools mission is to produce competitive college and career ready graduates through a rigorous curriculum across all grade levels by implementing Ohio's Learning Standards with fidelity.

Vision
Toledo Public Schools strives to be an "A-rated" school district whose graduates are college and career ready.

Core Commitments
- Student Centered
- Accountability Based Management
- Building Stronger Relationships
- Technology Oriented
- Rigorous Curriculum
- Develop a Culture of High Expectations

Financial Resources for College
There are many financial resources available to Toledo Public Schools graduates. It is impossible to list all the opportunities for financial assistance in this guide. The TPS Guidance Counselors at each high school are experts in helping students and their families apply for financial assistance for post-secondary education in the form of grants, loans, and scholarships. We are sharing three area colleges that offer significant assistance to TPS graduates. Some information may change throughout the year. TPS shares the most up to date information available at the time of this printing. Check with your Guidance Counselor for updated information and help.

Owens Community College
A number of scholarships are available to you through the Board of Trustees Academic Excellence Scholarship Fund, the Academic Achievement Scholarship Program, the Tech Prep Scholarship, the College's Foundation, and funds from outside contributors. Application procedures and deadlines vary. Many scholarship applications require you to write an essay.

Owens Community College credits transfer to all Ohio colleges and many more institutions. To learn more about the more than 130 programs Owens Community College has to offer its students, please visit www.owens.edu .

University of Toledo
The University offers Merit based scholarships ranging from $1,000-$6,000 depending on Grade Point Average and ACT or SAT scores.
Refer to University of Toledo's website for a complete listing of available scholarship opportunities. To learn more about the 250 undergraduate, graduate and professional programs the University of Toledo has to offer, please visit www.utoledo.edu.

Scholarship Search Engines
There are numerous free scholarship searches available to you such as the ones listed below. You should avoid scholarship searches or applications which require a fee.
- College Board Scholarship
- CollegeNET Scholarship
- FastWEB
- Good Call
- Nerd Scholar
- Ohio Education & Training Voucher Program for Foster Youth
- Scholarships.com
- Supercollege.com

Eastern Michigan University
Education First Opportunity Scholarship
Eastern Michigan University offers assistance to residents of Ohio and Michigan. Please check out the EMU website at https://www.emich.edu/ . The requirements are a 3.0 GPA, 20 ACT or minimum 1020 SAT and Pell Grant eligible. Student must have completed the FAFSA and be admitted by May 1st to qualify.

TPS Website
Visit the TPS website: www.tps.org to see other Scholarship opportunities, such as scholarships awarded by the Toledo Public School Foundation.

FAFSA
Free Application for Federal Student Aid
One eligibility requirement, for *UT scholarships* and the *Owens Community College Success Tuition Assistance Program,* as well as most other colleges' and universities' scholarships, is that students must show financial need.

Students and parents/guardians must complete the Free Application for Federal Student Aid (FAFSA) as part of the application process. The FAFSA is used by the U.S. Department of Education to determine a family's Expected Family Contribution (EFC) toward a student's college education. Through the FAFSA, a "need analysis" is conducted based on financial information, including: income, assets and other household information. The form is submitted to, and processed by, a federal processor contracted by the U.S. Department of Education. The results are electronically transmitted to the financial aid offices of the school(s) that a student lists on their application. For more information about the FAFSA application process, students are encouraged to visit http://www.fafsa.ed.gov/ or talk to their school counselor.

Advanced Placement Courses

Advanced Placement courses are offered through a partnership with College Board. These courses are offered in all comprehensive high schools either on site or as distance learning. The courses follow the AP curriculum and are very rigorous. They not only challenge students to study at an advanced level, they also prepare students for college studies. The classes are taught by teachers who meet the College Board requirements for instructors. Students are required to take the end of course AP exam in the spring. Students achieving a 3, 4, or 5 on the end of course exam may earn college credit for that course. The awarding of college credit is the sole responsibility of the college or university where students enroll to continue their studies.

Criteria for Placement in Senior High Honors/Advanced Placement Courses

Students will be automatically accepted for placement in Honors and/or Advanced Placement (AP) courses if:

1. All prerequisite courses have been completed.
2. The current or most recent grade in the subject area of the course (math, science, etc.) is a "B" or better

In addition, one of the following criteria must be met:
1. A cumulative grade point average of 3.0 or better
2. Recommendation of subject area teacher

Honors and AP courses are awarded an extra honors point for a grade of "C" or better. Honors points will affect the grade point average (GPA). Students who receive credit for an Advanced Placement (AP) course will be required to take the AP test for the class in which they are enrolled. Toledo Public Schools covers the fees for the AP test for all enrolled AP students. If an AP student does not take the AP test, the student can be billed for the cost of the exam.

Guidelines for Removal from Senior High Honors/Advanced Placement Courses

Students may be removed from honors/advanced placement courses at the end of the first semester for any of the following reasons:

1. Failure to maintain a "C" average
2. Consistent failure to complete requirements
3. Unacceptable attendance record (not meeting state mandated attendance)

College Credit Plus

The College Credit Plus (CCP) Program enables public high school students to enroll full-time or part-time in non-sectarian and non-remedial courses or programs at eligible post-secondary institutions in Ohio. The Toledo Public School District has three college partners that provide CCP to our students: Bowling Green State University, Owens Community College and the University of Toledo. The purpose of this program is to promote rigorous educational pursuits and to provide a wider variety of options to high school students. Toledo Public Schools offers three ways to participate. Students may participate in CCP by (1) attending classes on college or university campus, (2) enroll in a dual enrollment class that is taught by a certified teacher and offered on the high school campus and/or (3) enroll in an on-line course offered by one of the college partners.

School districts will grant academic credit to a pupil dually enrolled in the CCP program if that pupil successfully completes the course or program attended. The credits are to be counted toward the graduation requirements and subject area requirements of the school district. The grade earned in the CCP class will match the grade awarded on the high school transcript.

If a college course is taken for both college and high school graduation credit, there is no charge to the student for the costs of tuition and textbooks for the first time a course is taken. (All textbooks purchased by the district become property of the district.) At the end of each school year, the Ohio Department of Education will reimburse the post-secondary institution for the costs directly related to the course or program taken by the secondary pupil. Students must submit an Intent to Participate form by April 1st of year to be eligible to participate in the CCP the following school year. Students must contact their guidance counselor for the Intent to Participate form and further information. Students must meet admissions criteria set by the post-secondary institution and be accepted by the post-secondary institution to be eligible to participate.

Students should check with their high school counselor to begin the CCP process. College Credit Plus Family Meetings are held to introduce students and their families to CCP.

Minimum College Prep Requirements in Ohio

English	4 units
Math	4 units
Science	3 units
Social Studies	3 units
Foreign Language	2 units
Fine Arts	1 unit

Some programs require more extensive high school preparation in specific subject areas. Check with your guidance counselor and the University of your Choice for additional/specific information.

TPS Grading Scale
Cumulative Grade Point Average

Grade		Percentage	GPA points

A	=	100-93	4.0
A-	=	92-90	3.7
B+	=	89-87	3.3
B	=	86-83	3.0
B-	=	82-80	2.7
C+	=	79-77	2.3
C	=	76-73	2.0
C-	=	72-70	1.7
D+	=	69-67	1.3
D	=	66-63	1.0 points
D-	=	62-60	0.7 points
F	=	59-0	0 points

Honors' points are awarded in honors' classes:
A's =5 pts, B's = 4 pts, and C's = 3 pts.
These are figured into the cumulative GPA.

Credits Required to be Considered On-Track for Earning a High School Diploma

10th grade = 5 units
11th grade = 10 units
12th grade = 16 units

Class Ranking

See TPS Board Policy IKC and IKC-R for the complete class ranking system. All TPS Board Policies are available at www.tps.org.

Distance Learning - DL

Distance Learning is a district-wide program that offers rigorous, upper level academic courses at all TPS comprehensive high schools. The DL labs incorporate state-of-the-art technology that allows one teacher to instruct students in several locations simultaneously. Core academic and elective classes are offered and open to students at all six high schools. Students must have achieved eligibility to enroll in the DL classes by completing prerequisite courses and maintaining required grades. Because of the unique features of DL, a high level of attendance, academic achievement, and behavior are required. For questions about Distance Learning, please contact your high school guidance counselor. All students are encouraged to enroll in at least one distance learning class in their high school career.

Career Technology

As a Career Technology student, there are many opportunities in industry-related fields, such as field trips and job shadowing. BPA, DECA, FFA, FCCLA, HOSA and SkillsUSA are associated directly with the student's career technical area. The main purpose is to develop leadership skills, foster cooperation, develop an awareness and appreciation of good citizenship, and to improve students' skills in group social activities. They are an integral part of the curriculum. Students are encouraged to participate in competitive events at the local, district, state and national levels in both leadership and occupational skills.

Students may attend a Career Technology program in a location other than their home school. Toledo Public Schools offers transportation either to or from the student's home school to the school hosting the career technology program at mid-day. Students who have a career technology class in another building in the morning need to secure their own transportation to that building in the morning for their career technology class. After the career technology class, students will be transported back to their home school for the remainder of their classes in the afternoon. Students who have an afternoon career technology class will have their regular transportation to school in the morning for their academic classes. Students will then be transported to their career technology program location and will need to secure transportation from their career technology building to their home after school.

The following listing of TPS Career Technology Programs provide opportunities for students to get a jump start on their career with hands-on experiences, possible internships and college credit while in high school. Career Technology is Education that Works!

The Aerospace & Natural Science Academy of Toledo
Aviation Maintenance Technician
Pre-Pilot
Animal Science
Urban Agriculture & Hydroponics
Wildlife & Sustainability

Bowsher High School
Advanced Electronics
Engineering Design/CAD
High School of Business
Medical Technology
Manufacturing Technology*
Introduction to Public Safety*
Public Safety (PS419)

Job Training Program
For Students with Diverse Abilities

Jones Leadership Academy
High School of Business

Rogers High School
Business Accounting Technology
Construction Technology Academy
Introduction to Finance
Visual Communications & Design
Intro to Visual Media*
Job Training - Level 1

Scott High School
Advanced Manufacturing & Machining
Cosmetology
Medical Technology'
Pre-Barber
*Pathway course into a Career Technology program.

Start High School
Advanced Manufacturing & Machining
Auto Technology
CAD Technician
Intro to the Building Trades*
Drafting Occupations*
Electrical Trades Technology
Employment Skills for Marketing*
Entrepreneurship
Fashion Marketing
Manufacturing Technology*
Residential Remodeling & Repair

Toledo Technology Academy
Engineering & Science Technology

Waite High School
Auto Collision
Carpentry & Construction Academy
Intro to Information Services*
Information Technology
Teacher Education Exploration
Welding

Woodward High School
Intro to Diesel Technology*
Diesel Technology
Intro to Supply Chain Management*
Supply Chain Management
Intro to Graphic Printing*
Graphic Design & Printing

Earning College Credit through Career Technology

There are three ways that students can earn college credit by successfully completing their TPS Career Technology program. Not all types of credit are available for all programs, but every Career Technology program does have an option to earn college credit in at least one of the following ways:

College Credit Plus

College Credit Plus: Students in several TPS Career Technology programs have an opportunity to earn college credit through Owens Community College for the work they are completing in their Career Technology classes and lab. To qualify, students must take the Accuplacer assessment and meet minimum score requirements. The grade that a student earns in their high school class will be the same grade that is on the college transcript.

CTAG Agreements

The Ohio Department of Higher Education has partnered with the Ohio Department of Education to identify career technical program content that meets standards in specific college classes. To earn these credits, students must successfully complete their CTE program and earn a qualifying score on the end of course exam. Credits can be claimed up to three years after graduation when a student enters a college or university program that offers the identified classes.

Articulation Agreements

Some Career Technology programs have college articulation agreements specific to the TPS program and a college. The requirements to earn these college credits varies with the program and the college.

For more information, or to apply, contact your guidance counselor, or The Career Technology Department at 419-671-8778.

NCAA Academic Eligibility

NCAA Guide for the College Bound Athlete Link:
http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/CBSA.pdf

DI reference Link:
http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/DI_ReqsFactSheet.pdf

DII reference Link:
http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/DII_ReqsFactSheet.pdf

Division I and Division II student athletes need to meet NCAA academic rules in order to receive athletics aid (scholarship), practice or compete during their first year. NCAA eligibility requirements cover core course requirements, test scores, grade point averages, and a sliding scale for ACT/SAT scores. All TPS courses approved by the NCAA for core courses are listed on the TPS 48H with the NCAA. Please note that on-line courses are **not** approved by the NCAA to be used as core courses. This includes APEX credit recovery courses. **APEX courses cannot be used as an NCAA course requirement. This decision is a final ruling by the NCAA.** Student-athletes must register with the NCAA Eligibility Center to be eligible to play NCAA Division I or II sports in college. Athletes playing in Division III do not have to register. The NCAA recommends that student-athletes register at the **beginning of their junior year** in high school, even though there is no registration deadline, because students must be cleared by the Eligibility Center before they receive athletic scholarships or compete at a Division I or II institution. *For more information please refer to www.NCAA.org. Click on Student Athletes" then "Eligibility Center". Questions can also be answered at the toll free number 877-262-1492. All information regarding NCAA Academic Eligibility is taken directly from the NCAA Freshmen-Eligibility Standards Quick Reference Sheet. Parents and students are ultimately responsible for ensuring their Student Athletes meet the necessary NCAA eligibility requirements.*

Student Fees

All student fees are approved by the Board of Education. Fees will be kept to a minimum and no student will be discriminated against for inability to pay fees. Students on Aid to Dependent Children (ADC) or Disability Assistance (DA) will be exempt from paying fees. Other students who are unable to pay fees for academic courses can apply for a fee waiver. The form is available from the guidance counselors, teachers, and school offices. The same criteria that is used to establish eligibility for free or reduced lunch is used. If a student is eligible for free lunch, the student pays no fee. If a student is eligible for reduced lunch, the student pays 25% of the fee. Students must have an approved free or reduced lunch application on file to be eligible for fee waivers. Students must fill out the waiver form for each course/fee. Fee information for specific courses will be updated as necessary. Please refer to TPS policy JN "Student Fees and Fines"

Credit Flexibility

Any student may earn credits through any of the following options or combination of the following options:

- Completion of courses; and/or
- Testing out or otherwise demonstrating mastery of course content; and/or
- Pursuit of education options, including distance learning, educational travel, independent study, music, arts, after school programs, internship, community service or engagement project, or work credit.

Students must check with their high school guidance counselor *prior* to beginning any credit flex learning experience to complete the required forms and obtain approval or his/her credit flex proposal.

Physical Education Waiver

Students who have participated in interscholastic athletics, marching band, and/or cheerleading in high school for at least two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) Program in high school for two years may seek a waiver of the physical education course graduation requirement. However, the student shall be required to complete one-half unit of credit consisting of at least 60 hours of instruction in another course of study. Students must check with their high school guidance counselor to obtain and complete the appropriate forms and obtain approval for the use of this waiver.

Toledo Public Schools Required Coursework Graduation Component

For Students Entering Their Freshmen Year after July 1, 2010

Per Ohio Department of Education Standard and Toledo Board of Education

-A student must earn a minimum of 2 credit hours from the school from which he/she will graduate

-Successful completion of required coursework fulfills one component of the State of Ohio's graduation requirements

Required Coursework Table

TPS Required Coursework--21 Credits	Course	Credit(s)//Length
English- 4 credits		
	English 1	1 credit/1 year
	English 2	1 credit/1 year
	English 3	1 credit/1 year
The following courses will fulfill the fourth year English requirements	English 4 English 4 Honors	1 credit/1 year
	AP English Literature & Comp	
	AP English Language & Comp	
	Contemporary Literature	
	Senior Composition	
	World Literature	
Mathematics- 4 credits		
Students must successfully complete Algebra 2 or the equivalent	Algebra 1	1 credit/1 year
	Geometry Transitional Geometry	1 credit/1 year 2 credits/ 1 year
	Algebra 2 Functions & Trig	1 credit/1 year 1 credit/1 year
	Math Elective	1 credit/1 year
Science-3 credits		
	Physical Science	1 credit/1 year
	Biological Science	1 credit/1 year
	Science Elective	1 credit/1 year
Social Studies- 3 credits		
	World Studies	1 credit/1 year
	American Studies	1 credit/1 year
	American Government	.5 credit/ 1 semester
	Social Studies Elective	.5 credit/ 1 semester
Health & Physical Education-1 credit		
	Health	.5 credit/ 1 semester
	Physical Education-.25 credit per semester	.5 credit/ 2 semesters
Economic & Financial Literacy-.5 credit		
The following courses fulfill this requirement	Economics, Personal Finance, Financial Management, Accounting Technology, Medical Office Management, Business Administration Finance or Personal Finance Management	.5 credit/ 1 semester
Fine Art-1 credit	Students in Career Tech are exempt from the fine arts requirement. Colleges may require.	1credit/ 1yr or 2 semesters
Additional Electives-4.5 credits 2 to 3 credits of a World Language is recommended This is required by many universities	Electives include any courses not required for graduation. (3.5 credits may not be additional PE/Health)	4.5 credits

Overview of Additional Graduation Requirements by Graduating Class

In addition to satisfying the required coursework detailed above, students in the classes of 2017 through 2023 and beyond will satisfy the following:

Classes of *2017 and prior* *Students entering grade nine on or before June 30, 2014*	**Classes of 2018 and 2019** *Students who entered grade nine between July 1, 2014 and June 30, 2016*	**Class of 2020** *Students who entered grade nine between July 1, 2016 and June 30, 2017*	**Classes of 2021 and 2022** *Students who entered grade nine between July 1, 2017 and June 30, 2019*	**Classes of 2023 and beyond** *Students entered grade nine between July 1, 2019 and June 30, 2020*
Ohio Graduation Tests (OGT) OR **OGT Alternative Pathway** OR **Three Pathways** OR **OGT Test Substitutions**	**Three Pathways** OR **Additional Graduation Options** OR **Permanent Requirements**	**Three Pathways** OR **Modified Additional Graduation Options** OR **Permanent Requirements**	**Three Pathways** OR **Permanent Requirements**	**Permanent Requirements**

Ohio Graduation Tests

Students must pass the five Ohio Graduation Tests in math, reading, writing, science and social studies or meet one of the alternatives below:
1. Satisfy the requirements of the OGT Alternative pathway outlined here;
2. Satisfy the requirements of the "Three Pathways" listed below;
3. Meet the OGT substitutions outlined here.

Three Pathways

Students must complete one of the following three pathways:
1. Earn 18 graduation points on Ohio's State Tests;
2. Earn a remediation-free score on the ACT or SAT;
3. Score work ready on the WorkKeys and earn a 12-point, approved industry-recognized credential (or group of credentials).

Ohio's State Test Requirements

To meet the 18 graduation points criteria on the Ohio's State Tests, students are required to take seven end-of-course assessments referred to as Ohio's State Tests. Students are required to score a cumulative score of 18 on seven end-of-course assessments. The courses assessed are Algebra I, English I & II, Geometry, Biology, American Government and American History (Studies). Each assessment is worth a maximum of five points. These assessments test information taught on Ohio's New Learning Standards in English Language Arts and Mathematics and Ohio's New Learning Standards for Science and Social Studies. *A combination of at least four points must be earned between ELA 1 and ELA 2; a combination of at least four points must be earned between Algebra 1 and Geometry; a combination of at least six points in Biology, American Students and American Government. A student who has not obtained the required 18 points on all of the required Ohio State Tests, and/or does not have the required combination points should retake the test(s) each time they are offered.

Additional Options for Classes of 2018 and 2019

Option 1: In addition to passing required courses and taking all seven required tests, students must meet retest requirements and complete at least two of the options below:
• Attendance rate of 93 percent senior year;
• GPA of 2.5 during senior year;
• Senior year capstone project (locally defined);
• Work or community service totaling 120 hours (locally defined);
• Earn three or more credits through College Credit Plus;
• Earn an industry-recognized credential;
• Earn credit and set scores on Advanced Placement and International Baccalaureate exams;
• Earn a WorkKeys score of 3 on each test;
• Earn the OhioMeansJobs Readiness Seal.

Option 2: In addition to passing required courses and taking all seven required tests, students must meet retest requirements and finish a career-technical program and complete at least one of the below options:
• Earn proficient on all WebXams;
• Earn an approved industry-recognized credential;
• Complete 250 hours of workplace experience with positive evaluations.

Modified Additional Graduation Options for the Class of 2020

Option 1: In addition to passing required courses and taking all seven required tests, students must meet retest requirements and complete at least two of the following options:
• GPA of 2.5 during the junior and senior years;
• Senior year capstone project (state defined);
• Work or community service totaling 120 hours (state defined);
• Earn three or more credits through College Credit Plus;
• Earn an industry-recognized credential;
• Earn credit and set scores on Advanced Placement and International Baccalaureate exams;
• Earn a WorkKeys score of 3 on each test;
• Earn the OhioMeansJobs Readiness Seal.

Option 2: Same as option 2 for classes of 2018 and 2019 as outlined above.

CoVid 19 Graduation Flexibility/Pathways (per state of Ohio law and Board of Education action):

2019-2020 school year only: Awarding Diplomas with Graduation Flexibility Course Grade Substitution
Students are eligible for local graduation flexibility, but not necessarily entitled to graduate, through Sept. 30, 2020, if they meet the following conditions:

- Students were either
    1. Enrolled in 12th grade in the 2019-2020 school year; OR
    2. On track to graduate in 2019-2020 (as determined by the school district or school) regardless of the graduation cohort in which the student is included

    AND
- had not completed the requirements for a high school diploma.
- Additionally, TPS required course work was lowered to the state minimum requirements or 20 by the Board of Education.

2020-2021 school year only: Additional Graduation Pathways

1. Path One: Curriculum-only pathway - Eligible students may qualify for graduation if their principal, in consultation with their teachers and counselors, determines that the students have met the district's curriculum requirements.

2. Path Two: Curriculum requirements and OhioMeansJobs Readiness Seal - Students may qualify for graduation if they complete their curriculum requirements and earn the OhioMeansJobs Readiness Seal.

Additionally, TPS required course work was lowered to the state minimum requirements or 20 by the Board of Education.

Permanent Graduation Requirements

State law created new, permanent requirements that will be available starting with the class of 2018.* Students in the classes of 2021 and 2022 who have met or are on track to meet one of the original three pathways (listed above) may continue to use those pathways to satisfy graduation requirements. Students in the classes of 2023 and beyond will be required to meet the permanent requirements in order to graduate. In addition to required course work completions, the permanent requirements include the following:

1. Demonstrate Competency:

Students must demonstrate competency in mathematics and English by passing the state's Algebra I and English II tests with a score of 684 or higher. Students who have taken required tests more than once without passing and have received remedial support are able to show competency through one of the options below:

- Earn credit for one math and/or one English course through College Credit Plus;
- Demonstrate career readiness and technical skill through foundational and supporting options;
- Enter into a contract to enlist in the military upon graduation.

2. Preparation for College or Careers:

Students must earn two diploma seals, one of which must be state defined, to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions. Your counselor can provide detailed information regarding the criteria for earning the following seals:

State-Defined Diploma Seals: (choose at least 1)	
Seal	**Options**
Science Seal:	Proficient on Biology EOC Exam
	"2" or Higher AP or IB Score
	"B" or higher in qualifying CCP course
Citizenship Seal	Proficient on Am Hist and Gov EOC Exams
	"2" or Higher AP or IB Scores (Both)
	"B" or higher in qualifying CCP courses (Both)
Military Enlistment Seal	Provide evidence of enlistment in the military
	OR
	Participate in a JROTC Program for 2 years

Industry-Recognized Credential Seal	Earn 12 points of industry-recognized credentials from a single career field
Ohio Means Jobs-Readiness Seal	Show aptitude in 15 professional skills, as endorsed by three mentors
Technology Seal	"2" or Higher on AP or IB Score
	"B" or higher in qualifying CCP Course
	Completing local course
State Seal of Biliteracy	Students must show proficiency in English and high levels of proficiency in a second language
Honors Diploma Seal	Earn any of Ohio's Honors Diplomas
College-Ready Seal	Earn a remediation-free score on the ACT or SAT
District-Defined Diploma Seals:	
Seal	**Options**
Community Service Seal	Students must complete a total of 45 hours of community service over the course of his/her high school career
Fine Arts and Performing Seal	Students must complete a minimum of 2 Fine and/or Performing Arts experiences while enrolled in high school
Student Engagement Seal	Students must participate in at least 3 curricular or extracurricular activities over the course of his/her high school career.

Detailed information regarding the State of Ohio's high school graduation requirements can be found at the Ohio Department of Education's website, http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements .

Graduation Requirements Video

Criteria for Awarding Ohio High School Diploma and Honors Diploma

In very simple terms, a student must earn a certain number of units (course credits), as determined by the Toledo Board of Education, and fulfill the Ohio Department of Education' graduation requirements as determined by the year the student first entered 9th grade to earn a high school diploma in the State of Ohio. Please refer to the information below to learn more about requirements, units/credits, and mandatory tests. Students must fulfill both the State of Ohio *and* Toledo Public Schools graduation requirements. Toledo Public Schools offers all secondary classes required to earn a high school diploma. In the case of elective credits, enrollment and/or availability of an appropriately licensed/certified teacher may impact offering the course. Sufficient elective credits are offered to complete graduation requirements.

The Academic Diploma with Honors, Career Technical Diploma with Honors, STEM Honors Diploma, Arts Honors Diploma, or Social Science & Civic Engagement Honors Diploma will be awarded to any student who is determined to be eligible in accordance with the following provisions:

1. Successfully completes the Toledo Public Schools required coursework or individual education program developed for the student.
2. Demonstrates at least a 10th grade level of literacy and has fulfilled the Ohio's State Tests' end of course assessments as part of the graduation requirements for the state of Ohio.
3. Depending on the year of graduation and the type of Honors Diploma, meets the following Ohio Department of Education requirement

Criterion	**Ohio Diploma**	**Academic Honors Diploma**	**Career Tech Honors Diploma**
Math	4 units, must include One unit of Algebra II or equivalent	4 units, Algebra I, Geometry, Algebra II (or equivalent) and one other higher level math course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent) and one other higher level math course or 4 course sequence that contains equivalent or higher content
Science	3 units	4 units including two units of advanced science[2]	4 units including two units of advanced science[2]
Social Studies	3 units	4 units	4 units
World Languages	N/A	3 units of one World Language or no less than 2 units each of 2 world languages studied	2 units of one World Language studied
Fine Arts	2 semesters	1 unit	N/A
Electives	5 units	N/A	4 units of Career-Technical minimum[3]
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT WorkKeys	N/A	27 ACT/1280 SAT[8]	27ACT/1280 SAT[8]/WorkKeys 6 on Reading for Information & 6 on Applied Mathematics[7]
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts[6]

Additional Assessments	N/A	N/A	Earn an industry recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent

Criterion	**STEM Honors Diploma**	**Arts Honors Diploma (includes dance, drama/theater, music and visual art)**	**Social Science & Civic Engagement Honors Diploma**
Math	5 units, Algebra I, Geometry, Algebra II (or equivalent) and one other higher level math course or 4 course sequence that contains equivalent or higher content[4]	4 units, Algebra I, Geometry, Algebra II (or equivalent) and one other higher level math course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent) and one other higher level math course or 4 course sequence that contains equivalent or higher content
Science	5 units, including two units of advanced science[2]	3 units including one unit of advanced science[2]	3 units including one unit of advanced science[2]
Social Studies	3 units	3 units	5 units
World Languages	3 units of one World Language or no less than 2 units each of 2 world languages studied	3 units of one World Language or no less than 2 units each of 2 world languages studied	3 units of one World Language or no less than 2 units each of 2 world languages studied
Fine Arts	1 unit	4 units	1 unit
Electives	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus on social sciences and/or civics
GPA	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT WorkKeys	27 ACT/1280 SAT[8]	27ACT/1280 SAT[8]	27ACT/1280 SAT[8]
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts[6]	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts[6]	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts[6]
Additional Assessments	N/A	N/A	N/A

ODE Notes on Honors Diplomas:

For the Academic, International Baccalaureate, and Career Technical Honors Diplomas, students who entered 9th grade between July 2013 and June 30, 2017, may choose to pursue the diploma by meeting the requirements of these criteria or the previous criteria. Students entering the 9th grade on or after July 1, 2017, must meet these criteria.

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

Students must meet all but one of the criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met.

Diploma with Honors criteria pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including:
½ unit physical education (unless exempted), ½ unit health, and 4 units in English.

[1]Writing sections of either standardized test should not be included in the calculation of this score. The Locating Information test is not included in the calculation of the WorkKeys score.

[2]Advanced Science refers to courses that are inquiry based with laboratory experiences and align with the 11th/12th grade standards (or above) or with an AP science course, or with an entry-level college course (clearly preparing students for a college-level freshman science class, such as anatomy, botany, or astronomy).

[3]Program must lead to an industry-recognized credential, apprenticeship, or be part of an articulated career pathway, which can lead to post-secondary credit.

[4]The fifth mathematics and science credit for the STEM honors diploma may be fulfilled with a single course.

[5]Field Experience refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.

[6]The student portfolio is a collection of experiential learning and competencies based on the student's field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical, and creative skills representative of their honors focus; students' work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students' work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If a student does not complete a field experience, the portfolio can be based on a collection of work related to the student's honors diploma of focus.

[7]Students must score a minimum of 6 on the Reading for Information WorkKeys assessment and score a minimum of a 6 on the Applied Mathematics WorkKeys assessment in order to meet the WorkKeys score requirement. The WorkKeys option applies only to the Career Tech Honors Diploma.

[8]These scores are based on the 2016 ACT and SAT assessments. Concordance table outlining equivalent scores for past and future tests that differ from the 2016 versions will be published on the ODE website.

For further information go to the Ohio Department of Education's website:

http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas

High School Course Paths

There are many paths to graduation that students take through their High School journey which may include the traditional route, a College Credit Plus route, a Career Technology route or a combination. The following High School Course Paths are planning tools for students to use to set goals and determine the route they are going to take, beginning their freshman year and taking them through to senior year and graduation. Paths created include the following: Traditional High School, College Prep 15 hour, College Prep 30 hour, and General Studies Associates of Arts 61 hours. Additionally, a sampling of Career Technology paths include, but are not limited to the following: Jones Leadership Academy Business Management Associates 61 hours, High School of Business and Precision Machining. Your high school counselor will be able to help define the necessary electives for other Career Technology paths.

These are sample pathways and are not specific to particular undergrad degree programs. Colleges and Universities have their own course paths and may require prerequisites and specific courses which are requirements of the student's college major. Students who take college level coursework should consult with the correlating University's course guide and career paths as well as speak to an advisor from the institution to ensure courses taken will meet major specific requirements.

High School Course Pathways--Traditional High School Path--							
	English(4)	Math(4)	Science (3)	Social Studies (3)	Health/PE (.5 each)	Electives (5)	Fine Arts(1)
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	Electives	Fine Art
10th	English 2	Geometry	Biology	American Studies	Health	Financial Lit	
11th	English 3	Algebra 2	Science Elective	American Government		Electives	
12th	English 4	Math Elective		SS Elective		Electives	

High School Course Pathways--College Prep 15 hr Path							
	English(4)	Math(4)	Science (3)	Social Studies(3)	Health/PE (.5 each)	Electives(5)	Fine Arts(1)
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	Electives	Fine Art
10th	English 2	Geometry	Biology	American Studies	Health	Financial Lit	
11th	English 3	Algebra 2	Science Elective			Electives	
12th	S1-Engl 1110; Comp 1 S2-Engl 1130 Comp 2	Math 1320: College Algebra		S1-SOC 1010: Introduction to Sociology S2-PSC-1200 American Government		Electives	

HS of Business Path-24 hours							
	English(4)	Math(4)	Science (3)	Social Studies (3)	Health/PE (.5 each)	Electives (5)	Fine Art
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	S1-BUS 101 Contemporary Business & S2-BUS 102 Microeconomics (online only)	
10th	English 2	Geometry	Biology	American Studies	Health	S1-MKT 111 Marketing S2-ACC 101 Intro to Financial Accounting	
11th	English 3	Algebra 2	Science Elective	American Government		S1-BUS 201 Principles of Finance S2-ACC 102 Intro Managerial Accounting	
12th	English 4	Math Elective		SS Elective		S1-BUS120 Principles of Management S2-ENT 233 Entrepreneurial Business Planning	

High School Course Pathways--College Prep 30 hr. Path							
	English(4)	Math(4)	Science(3)	Social Studies(3)	Health/PE(.5 each)	Electives(5)	Fine Arts(1)
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	Financial Lit	
10th	English 2	Geometry	Biology	American Studies (S1 & S2) S2 -SOC 1010 Intro to Sociology	Health	Electives	
11th	S1-ENGL 1110; Comp 1	MATH 1320: College Algebra	S1-BIOL 1120 & 1220 Survey of Biology & Lab (4 credits) OR CHEM 1100: Chemistry & Society	S1-PSC-1200 American Government		TPS Electives S2 World Lang Level 3	S2 FILM 1330 Intro to Film
12th	S2-Engl 1130 Comp 2	MATH 2600: Stats & Analysis		ANTH 2800: Cultural Anthropology		CCP Electives *Must take 3 hours.	

General Studies-Associates of Arts Path (61 hours)							
	English 4 credits	Math 4 credits	Science 3 credits	Social Studies 3 credits	Health.5 PE .5	Electives 5 credits	Fine Arts 1 credit
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	Financial Lit	
10th	English 2	Geometry	Biology	American Studies (S1 & S2) S2 -SOC 1010 Intro to Sociology	Health	Electives S1-FILM 1310 Introduction to Film	
11th	S1-ENGL 1110; Comp 1 S2-ENGL 1130: Comp 2	Math 1320: College Algebra	S2-CHEM 1100: Chemistry and Society	S1-PSC-1200 American Government S2-ANTH 2800 Cultural Anthropology		S1-CMPT 1100 Computer Applications S1-(1) CCP Elective S2-SOC 1020 Social Problems	S1-MUS 2220 History of Jazz & THR 1100 Introduction to Theater
12th		S1 MATH 2600: Stats & Analysis OR MATH 1850: Single Variable Calculus	S1-BIOL 1120 & 1220 Survey of Biology and Lab (4 credits)			S1-(2) CCP Electives S2-(3) CCP Electives	

Precision Machining Path-6 Hours							
	English(4)	Math(4)	Science (3)	Social Studies (3)	Health/PE (.5 each)	Electives (5)	Fine Arts
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	Electives	
10th	English 2	Geometry	Biology	American Studies	Health	Financial Lit	
11th	English 3	Algebra 2	Science Electective	American Government		CAM 160 Machining 1	
12th	English 4	Math Elective		SS Elective		CAM 161 Machining 2 CAD 120 Manual Drafting	

CCP Emergency Medical Technician-Basic Certification Program

The College Credit Plus EMT-B program includes a five-credit hour course that will require students to be on the Owens Community College Campus full time for a semester. EMT candidates enrolled in the PS419 program receive mentoring by members of the City of Toledo Fire and Rescue Department (TFRD) and/or Toledo Police Department (TPD). Students must meet cut scores on the ACCUPLACER assessment to participate in the program. The ACCUPLACER assessment is designed to evaluate students' skills in reading, writing, and mathematics in order to determine student preparedness for introductory credit-bearing college courses. (ACT/SAT scores may be used in lieu of ACCUPLACER depending on the student's score.) Interested students are encouraged to take the ACCUPLACER assessment during their Freshman year. This provides multiple testing opportunities to meet the necessary cut scores. The ACCUPLACER assessment may be taken through the college partner at any time. District leadership proctors one administration of ACCUPLACER at a TPS high school each spring. Contact the counselor at your high school for further information.

ACCUPLACER Results	GPA
Met Cut Score	No Requirement
Conditional Range	3.0 or Administrator's Recommendation
Below Conditional Range	Can Not Participate, Regardless of GPA

CCP EMT-B							
	English(4)	Math(4)	Science (3)	Social Studies (3)	Health/PE (.5 each)	Electives (5)	EMT Courses
9th	English 1	Algebra 1	Physical Science	World Studies	PE-2 Sem.	World Language 1	
10th	English 2	Geometry	Biology	American Studies S2 CCP Sociology	S1 Health	World Language 2 Elective 1.0 (Anatomy recommended)	
11th	S1-CCP COMP 1 S2-CCP COMP 2	Algebra 2 S2 CCP College Algebra	Chemistry	American Government		World Language 3 Financial Lit .5 Elective .5	
12th							S1 EMT-B S2 Paramedic I & related courses or S2 3.5 H.S. courses only

Aerospace & Natural Science Academy of Toledo

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
Aerospace Courses					
S1777750	Intro to Aviation	1	Y	9	None
B1777704	Aviation Maintenance Technician 1 Block				
S1777704	Aviation Maintenance Technician 1A	.75	S1	10	None
S1777714	Aviation Maintenance Technician 1B	.75	S2	10	1A & 1B must be taken in sequence
B1777700	Aviation Maintenance Technician 2 Block				
S1777700	Aviation Maintenance Technician 2A	1.25	S1	11	Aviation Maintenance Technician 1A & 1B
S1777710	Aviation Maintenance Technician 2B	1.25	S1	11	2A & 2B must be taken in conjunction
S1777720	Aviation Maintenance Technician 2C	1.25	S2	11	Aviation Maintenance Technician 2A & 2B
S1777730	Aviation Maintenance Technician 2D	1.25	S2	11	2C & 2D must be taken in conjunction
B1777702	Aviation Maintenance Technician 3 Block				
S1777702	Aviation Maintenance Technician 3A	1.25	S1	12	Aviation Maintenance Technician 2C & 2D
S1777712	Aviation Maintenance Technician 3B	1.25	S1	12	3A & 3B must be taken in conjunction
S1777722	Aviation Maintenance Technician 3C	1.25	S2	12	Aviation Maintenance Technician 3A & 3B
S1777734	Aviation Maintenance Technician 3D	1.25	S2	12	3C & 3D must be taken in conjunction
B1777706	Pre-Pilot 2 Block				
S177706	Pre-Pilot 2A	1.0	S1	11	Aviation Maintenance Tech 1A & 1B
S1777716	Pre-Pilot 2B	1.0	S2	11	Pre-Pilot 2A & 2B must be taken in sequence
B1777708	Pre-Pilot 3 Block				
S1777708	Pre-Pilot 3A	1.0	S1	12	Pre-Pilot 2A & 2B
S1777718	Pre-Pilot 3B	1.0	S2	12	Pre-Pilot 3A & 3B must be taken in sequence
Natural Science Courses					
S0177200	Agriculture, Food & Natural Resources	1	Y	9	Freshmen accepted to ANSAT
S0177550	Livestock Selection, Nutrition and Management	1.5	S1	10	Sophomores accepted to ANSAT
S0177470	Environmental Science for Agriculture and Natural Resources	1.5	S2	10	Students in the Wildlife & Sustainability or Urban Agriculture pathway
S0177570	Animal Science and Technology	1.5	S2	10	Students in the Animal Science pathway
S0177400	Animal Science 1A	2.0	S1	11	Junior standing

S0177410	Animal Science 1B	2.0	S2	11	1A & 1B must be taken in sequence
S0177401	Animal Science 2A	2.0	S1	12	Animal Science 1A & 1B
S0177411	Animal Science 2B	2.0	S2	12	2A & 2B must be taken in sequence
S0177440	Plant & Animal Bioscience	1.0	Y	9	None
B0177408	Wildlife & Sustainability 1 Block				
S0177408	Wildlife & Sustainability 1 A	1.0	S1	11	Junior Standing
S1077418	Wildlife & Sustainability 1 B	1.0	S2	11	Wildlife & Sustainability 1A
B1077409	Wildlife & Sustainability 2 Block				
S1077409	Wildlife & Sustainability 2A	1.0	S1	12	Wildlife & Sustainability 1B
S1077419	Wildlife & Sustainability 2B	1.0	S2	12	Wildlife & Sustainability 2A
S0177420	Urban Agriculture & Hydroponics 1A	2.0	S1	11	Junior Standing
S0177430	Urban Agriculture & Hydroponics 1B	2.0	S2	11	1A & 1B must be taken in sequence
S1777421	Urban Agriculture & Hydroponics 2A	2.0	S1	12	Urban Agriculture & Hydroponics 1A & 1B
S1777431	Urban Agriculture & Hydroponics 2B	2.0	S2	12	2A & 2B must be taken in sequence

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
** Notes that course is not allowable as the 3rd unit of science for the NCAA core course requirement.*
All courses at the NTSC are Tech Prep

The Aerospace and Natural Science Academy of Toledo (ANSAT) will train students to be college and career ready in the growing field of aerospace and environmental sciences, sustainability and wildlife management. ANSAT's curricular focus is on skills integrated with English, Mathematics and Science to develop team building, problem solving and innovation. Academic classes follow the same project-based concept and are integrated across content areas as well as into the technical labs. Students take four years of each of the four content areas. Honor level classes and College Credit Plus (CCPs) classes are available for students so they are better prepared to pursue a post-secondary 2 year or 4 year degree. Additionally, graduates from ANSAT will have the option to earn industry recognized credentials leading to employment in Animal Science, Urban Agriculture, Wildlife & Sustainability and Aerospace. The successful completion for students in Aerospace fulfills the prerequisite requirements for the written and oral/practical examinations as prescribed by the Federal Aviation Administration (FAA) for the airframe and powerplant ratings of the FAA Mechanic certificate. ANSAT has open enrollment and accepts students from Toledo and the surrounding areas.

SkillsUSA
This student club is an integral part of the curriculum. Membership provides opportunities to learn social, leadership, and competitive skills in both years. All students are encouraged to join.

FFA
This student club is an integral part of the curriculum and all students in Animal Science, Urban Agriculture and Wildlife & Sustainability are encouraged to participate. The activities include social events, conferences, contests and community service. Contests in animal behavior, dog grooming, aquarium fish keeping and veterinary science allow students to sharpen their skills and earn awards. Recreational trips, leadership workshops, and community service projects are fun and productive group activities that teach teamwork and cooperation. No fees required.

Aerospace Courses:

Intro to Aviation
In this course students will gain hands- on experiences with aviation maintenance, drone technology and FAA flying regulations. Students will work on AOPA drone curriculum in order to earn their part 107 Drone Pilot certification, line of site training, ground school and various other skills to prepare them for the aviation industry. No fees required

Aviation Maintenance Technician Block 1 - 1A & 1B
During the first of three years in this program, students study applied mathematics, aircraft drawings, basic physics and electricity, fluid lines and fittings, materials and processes, cleaning and corrosion control, ground operations and servicing, maintenance publications, mechanic privileges and limitations, maintenance forms and records, and weight and balance. Hands-on experiences in the aviation lab are included. No fees required.

Aviation Maintenance Technician Block 2 - 2A & 2B and 2C & 2D
Students continue their study of aviation working with wood and sheet metal structures, aircraft coverings and finishes, welding, assembly and rigging, airframe inspection and the following systems: hydraulic and pneumatics; aircraft landing gear; aircraft fuel, navigation and communication; ice and fire protection and rain control. Classroom instruction is combined with experiences in the aviation lab. No fees required.

Aviation Maintenance Technician Block 3 - 3A & 3B and 3C & 3D
The final year of the aviation program provides practical hands-on experience in the aviation lab which is combined with classroom instruction. Students study reciprocating and turbine engines, engine inspection, propellers, engine instruments, ignition, fuel and engine cooling and exhaust. No fees required.

Pre- Pilot 1
In this course students apply principles of meteorology forecasting to aviation. Students will take, record, encode, and disseminate surface weather observations using forecasting equipment. Topics include concepts of aviation meteorology in the study of temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, and fog. Students will interpret and use weather, Automatic Terminal Information Systems (ATIS), and Traffic Collision Avoidance Systems (TCAS) to control aircraft operations. Students will sequence aircraft approaches and departures with approach control radar. Students will interpret and use airport lighting, navigation principles and avionic communication systems including Very High Frequency (VHF), Ultra-High Frequency (UHF), radio and phraseology. Additionally, students will interpret and use weather information for pre-flight and in-flight support to aviation. No fees required.

Pre- Pilot 2
In this course students will learn the essentials of piloting an aircraft. Students will learn principles of aircraft operations, air traffic control, meteorology, and navigation. Students learn aircraft performance functions including spins, recovery, stalls, landings and takeoffs. Students will learn and simulate fundamentals of air traffic control. Subjects taught include principles of aircraft tracking using radar and transponders, controlling aircraft departures, takeoffs, ground operation and in air flight control. Students will learn and simulate techniques of sequencing aircraft approaches and departures using approach control radar. Students will study concepts of meteorology, the flight environment, identification of emergency codes, fundamental aspects of flight and air navigation. Additionally, students learn to use aircraft instruments and flight controls. Students will apply skills to tie-off, transfer and defuel aircraft. An emphasis is given to Federal Aviation Administration regulations, and mitigation of personal and aviation hazards. No fees required.

Natural Science Courses:

Agriculture, Food & Natural Resources
This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry. No fees required.

Livestock Selection, Nutrition and Management
Students in10 th grade will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance. No fees required.

Environmental Science for Agriculture and Natural Resources
Students in 10th grade going into the Wildlife and Sustainability program or Urban Agriculture program will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.No fees required

Animal Science and Technology
Students in 10th grade going into the Animal Science pathway, will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens, and classifying types of diseases and disorders. Students will perform animal health assessments and compare to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems, and research issues affecting the industry. No fees required

Animal Science 1A & 1B
Students will get hands-on technical instruction, laboratory experience and cooperative training that prepares them for employment or further study in a variety of animal occupations. The school pet shop houses rodents, rabbits, ferrets, birds, reptiles, amphibians, fish, and invertebrates. Students are directly responsible for the care and handling of all pet shop animals. No fees required.

Animal Science 2A & 2B
In the grooming salon, the seniors of this program further develop their animal handling skills and veterinary science skills as well as vet-science skills when they care for customers' pets. In addition, students in their junior and senior year are assigned projects to focus on individual interests. Students may be involved in breeding, training, or research projects. The second big advantage for students in this program is the development of industry contacts that enable them to network for jobs before they graduate. Students are given the opportunity to take part in cooperative training with local agencies, such as the Toledo Zoo, Toledo Humane Society, Paws and Whiskers Feline Shelter, as well as veterinary hospitals, pet stores, grooming salons, and boarding kennels. No fees required.

Urban Agriculture & Hydroponics 1A & 1B
Students will receive instruction spanning the agriculture and environmental systems industry with an emphasis on hands-on instruction in food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Experiential learning will include poultry farming for meat and egg production, dairy goat farming for milk production, bee farming for honey production, and aquaculture for raising consumable fish. Students will receive instruction in natural resource management, food production and supply to local markets/chefs, and foraging in the wild for edible nuts, berries, plants, and mushrooms. No fees required.

Urban Agriculture 2A & 2B
Urban Agriculture & Hydroponics is a two-year program of academic and technical instruction, cooperative training, and internship placement designed to prepare students for employment or further study in emerging agricultural and environmental career pathways,including sustainable food systems, hydroponics, local and community gardening, aquaponics, and storm water & solid waste management. Students will receive instruction spanning the agriculture and environmental systems industry with an emphasis on hands-on instruction in food science, natural resource management, animal science & management, plant & horticultural science,power technology and bioscience. Experiential learning will include poultry farming for meat and egg production, dairy goat farming for milk production, bee farming for honey production, and aquaculture for raising consumable fish. Students will receive instruction both onsite and in the field in natural resource management, food production and supply to local markets and chefs, and foraging in the wild for edible nuts, berries, plants, and mushrooms. Summer internships and paid employment opportunities will be available to qualified students at a variety of partner farms and greenhouses. Upon successful completion of the two-year program, graduates will be qualified for employment in diverse fields including greenhouse management, small-livestock management, and hydroponic vegetable production. No fees required.

Wildlife & Sustainability 1A & 1B
Students will receive a hands- on approach to sustain our earth's natural resources, including topics of green energy, wildlife and fisheries, and outdoor recreation. Students will receive instruction both onsite and field for collection of water data and soil sampling. Students will apply the principles and practices of resource conservation and management to fish and wildlife populations. Students will learn proper wild animal handling techniques, principles of wildlife nutrition, inventory practices, water quality parameters and testing, and natural and artificial propagation. Students will apply principles of facility design and layout for managing fish populations. Throughout the course, learners will research and evaluate the impacts of various land practices, legislation, and human activities on habitats and populations. No fees required.

Wildlife & Sustainability 2A & 2B
Students will participate in cooperative training and internship placement designed to prepare students for employment in parks management and green energy jobs, outdoor recreation manager, park ranger and wildlife biologist.Students will analyze and interpret biological, chemical and physical properties of soil, water and air. They will determine the source and type of environmental contamination, evaluate pollution control measures and monitor treatment processes for potable water, waste water and solid waste. Throughout the course, learners will develop and implement environmental plans using principles governing ecosystems in relation to resource development and industrial processes No fees required.

Students receive a Career Portfolio to present to prospective employers and/ or college admission officers which showcase their skills, Industry Recognized Credentials, Job Readiness Seals and letters of recommendations from the Superintendent, employers and teachers.

Jones Leadership Academy of Business

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
M1477100	Business Foundations	1.0	Y	7	Acceptance into program
M1477200	Fundamentalsof Business & Administration	1.0	Y	8	Business Foundations
B1477500	Business Applications & Economics Block				
S1477500	Business Applications & Economics 1A	0.5	S	9	None
S1477510	Business Applications & Economics 1B	0.5	S	9	Business Applications & Economics 1A
B1477501	Business Administration Marketing Block				
S1477501	Business Administration Marketing 2A	0.5	S	10	None
S1477511	Business Administration Marketing 2B	0.5	S	10	Business Administration Marketing 2A
B1477504	Digital Marketing and Management Block				
S1477504	Digital Marketing & Management 2A	0.5	S	10	None
S1477514	Digital Marketing & Management 2B	0.5	S	10	Digital Marketing & Management 2A
B1477502	Business Administration Finance Block				
S1477502	Business Administration Finance 3A	0.5	S	11	None
S1477512	Business Administration Finance 3B	0.5	S	11	Business Administration Finance 3A
B1477506	Managerial Accounting Block				
S1477506	Managerial Accounting Block 3A	0.5	S	11	None
S1477516	Managerial Accounting Block 3B	0.5	S	11	Managerial Accounting 3A
B1477505	Legal Environment of Business Block				
S1477505	Legal Environment of Business Block 3A	0.5	S	11	None
S1477515	Legal Environment of Business Block 3B	0.5	S	11	Legal Environment of Business 3A
B1477503	Business Administration Strategic Management Block				
S1477503	Business Admin. Strategic Mgmt. 4A	0.5	S	12	None
S1477513	Business Admin. Strategic Mgmt. 4B	0.5	S	12	Business Administration Strategic Mgmt 4A
B1477507	International Business Block				

S1477507	International Business 4A	0.5	S	12	None
S1477517	International Business 4B	0.5	S	12	International Business 4A
B1477508	Business and Administrative Services Capstone Block				
S1477508	Business & Admin Services Capstone 4A	0.5	S	12	
S1477518	Business & Admin Services Capstone 4B	0.5	S	12	Business & Administration Services Capstone 4A

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
Students earning high school credit in EHSO classes are eligible to enroll in the next level of the subject the next school year or semester (whichever is applicable).

High School of BUSINESS™(HSB) Curriculum is designed to prepare high school students to excel in a college business program.

Business Foundations
This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed.

Fundamentals of Business and Administration
This is the first course specific to the Business and Administrative Services career field. It introduces students to the specializations offered in Business and Administrative Services. Students will obtain fundamental knowledge and skills in general management, human resources management, operations management, business informatics and office management. They will acquire knowledge of business operations, business relationships, resource management, process management and financial principles. Students will use technological tools and applications to develop business insights.

Business Applications and Economics 1A & 1B
High School of BUSINESS™-Business Applications and Economics is a project based course, which develops student understanding and skills in areas such as communication, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. This course is designed for students to identify, plan, implement, and evaluate a service learning project. The project is based on the needs of their community school.

Business Administration and Marketing 2A & 2B
High School of BUSINESS™-- Business Administration and Marketing is a project based course that develops student understanding and skills in such areas as business law, economics, financial analysis, human resources, information management, marketing, operations, and strategic management. Through the use of projects, students acquire an environmental scan of the business community, and investigate business activities.

Digital Marketing and Management 2A & 2B
Students will apply tools, strategies and processes to communicate digitally with targeted customers. They will create, implement, and critique online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video or images and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. They will also create and repurpose content for use in digital environments. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Business Administration and Finance 3A & 3B
High School of BUSINESS™-- Business Administration and Finance is a project based financial literacy and investment course. This course will help students develop understanding and skills in areas such as personal finance, types of investment, the

stock market, and stock valuation. Students acquire an understanding and appreciation of the need for personal financial management and investing. *This course meets the Ohio Core graduation requirement for financial literacy.*

Managerial Accounting 3A & 3B
Students will use financial information to make strategic business decisions. They will monitor business profitability, measure the cost-effectiveness of expenditures, prepare budget and forecast reports, and set achievable business financial goals. Students will also use critical information on financial documents to determine risks to short-term and long-term business success. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Legal Environment of Business 3A & 3B
Students will examine all aspects of business law including the judicial system, differences between types of laws and origins of laws, administrative and employment laws and laws impacting individuals as well as businesses. Students will also research real estate and debtor and creditor laws and regulations. Students will learn to support attorneys by conducting legal research and preparing fully-compliant legal documents. Compliance and contract law will be emphasized

Business Administration and Strategic Management 4A & 4B
High School of BUSINESS™-- Business Administration and Strategic Management is a project based business course, where students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, governmental policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Students develop their knowledge and skills in areas such as economics, entrepreneurship, operations, and professional development.

Toledo Early College High School

Toledo Early College High School (grades 7-12) offers a college preparatory program that focuses on two tracks: a liberal arts program and a STEMM program. Each curriculum is designed to accelerate students into college courses at the University of Toledo, beginning with freshmen year in high school.

The Toledo Early College STEMM (Science Technology, Engineering, Mathematics and Medicine) is a four-year, year-round enhancement experience designed to immerse students in science related degree programs and career fields. Collaborating with partners such as ProMedica, The University of Toledo, UT's Medical Center and local engineering firms, students have the opportunity to complete career portfolios, service learning, job shadows, internships, and research experiences with professionals who work in science related fields every day.

All students are required to successfully complete FYI/Study Skills. The college readiness courses are taken by incoming freshmen. Students take two years of English and social studies and up to four years of mathematics and science on the high school level. All other courses, including electives and foreign languages are taken at the University of Toledo. Toledo Early College High School pays for each college course only once.

Students can earn up to 60 college credits during the four-year high school experience which may count as an Associates of Arts Degree. College-level courses and required textbooks are provided at no cost to students. If a student needs to repeat a college course, the parent/guardian is responsible for paying the tuition. College courses qualify for dual credits that allow them to be counted for both high school and college credits. Students will earn credits that will be recorded officially on TPS and UT transcripts.

Toledo Early College students must meet the following additional graduation requirements:

- Complete Rocket Stages each semester
- Attend three (3) University of Toledo Open Houses each semester
- Test into college composition, mathematics, and science courses
- Participate in the Summer Reading Program
- Be in compliance with academic, attendance and behavioral contracts

The Toledo Early College High School schedule is closely aligned with the UT calendar. Recruitment of students is held twice a year; once in October and once in January.

For additional information or more specific questions, please contact Toledo Early College High School at 419-671-4800 or visit the website at toledoearlycollege.com.

Toledo Technology Academy
Engineering & Science Technology

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
M1777300	Pre-Engineering Technology 7	1.0	Y	7	Acceptance into program
M1777303	Lego Robotics	1.0	Y	7	Acceptance into program
M1777301	Pre-Engineering Technology 8	1.0	Y	8	Acceptance into program
M1777302	Gateway to Technology	1.0	Y	8	Acceptance into program
S1777308	Engineering Design	1.0	Y	9	Acceptance into program
S1777326	Introduction to Robotics	1.0	Y	9	Acceptance into program
S1777321	Machine Tools	1.0	Y	10	Acceptance into program
S1777310	DC Electronic Circuits	1.0	Y	10	Acceptance into program
S1777312	Computer Integrated Manufacturing	1.5	S	11	Machine Tools/Instructor's permission
S1777319	Robotics	1.5	S	11	DC Circuits/Instructor's permission
S1777317	Energy Systems Management	1.5	S	11	Acceptance into program
S1777315	Senior Capstone 1	1.5	Y	12	Successful completion of Jr.Labs/Instructor's permission
S1777325	Senior Capstone 2	1.5	Y	12	Successful completion of Jr.Labs/Instructor's permission

Toledo Technology Academy students are evaluated on their performance in all classes, which includes technical and academic, when being assessed for acceptance into the next level of classes. Students not passing classes or not positioned to complete diploma requirements may not be accepted into the next level classes.

Refer to the table above for course numbers, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees.

Toledo Technology Academy (grades 7-12) has earned an Ohio BEST Practices award, an effort aimed at improving education by identifying exemplary practices so they can be replicated throughout Ohio. The school, which requires four years of integrated academics, has been rated "Excellent" by the Ohio Department of Education. Toledo Technology Academy has become the model copied by many others starting or refining a Career Technical program or school. Instruction is based with an emphasis on problem solving, teamwork, time management, and self-directed learning skills.

Teams from this four year program have won championships at the SME National Robotic Challenge and National SkillsUSA titles. Also, these teams have claimed multiple state championships at Ohio SkillsUSA. Academic classes follow the same project-based concept and are integrated across content areas as well as into the technical labs. Students take four years of each of the four content areas. Honor level classes and College Credit Plus (CCPs) classes are available.

Graduates from TTA are well prepared to pursue post-secondary, 2-year and 4-year degree programs or enter a skilled technician position. After completing the program, students are also ready to begin jobs related to designing, building, installing, repairing, and maintaining and sales/marketing of automated machine systems. Toledo Technology Academy graduates are College and Career ready. The historical data from partnering with multiple Businesses, Universities, and

Colleges, has demonstrated that this curriculum and educational approach is very successful in student placement after high school.

For more information regarding eligibility and/or enrollment, please contact TTA at 419-671-3900.

Pre-Engineering Technology 7
Students in the pre-engineering programs acquire knowledge and skills in problem solving, teamwork and innovation. Students explore STEM careers as they participate in a project-based learning process, designed to challenge and engage the natural curiosity and imagination of middle school aged students. Teams design and test their ideas using modeling, automation, robotics, mechanical and computer control systems, while exploring energy and the environment.

LEGO Robotics
By completing hands-on activities that incorporate science, technology, engineering, and mathematics, students will learn basic programming using the LEGO Mindstorms NXT and EV3 robots.

Pre-Engineering Technology 8
Students in the pre-engineering programs acquire knowledge and skills in problem solving, teamwork and innovation. Students explore STEM careers as they participate in a project-based learning process, designed to challenge and engage the natural curiosity and imagination of middle school aged students. Teams design and test their ideas using modeling, automation, robotics, mechanical and computer control systems, while exploring electricity, green architecture, and flight and space systems.

Gateway to Technology
Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design systems, capturing research and ideas in their engineering notebooks. Using industry standard Autodesk design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions. Students also trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation and computer control systems.

Engineering Design
The focus of Engineering Design is the application of the engineering design process. Topics include work-processes, optimization methods, design optimization, and risk management tools. Students will use 2D and3D modeling software to help them design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems.

Introduction to Robotics
Students will describe the purpose of automation and its effect on society .Investigate the relationship between mechanical and computer engineering. They will develop a robot capable of completing an assigned task. The student will complete an engineering notebook documenting the process.

Machine Tools
This course introduces students to all aspects of machining applications in manufacturing. They will be able to perform routine calculations, interpret basic drawings, begin the process of performing accurate measurements and be able to plan simple machining processes. Students will learn the fundamental principles and practices of cutting, drilling and grinding using modern machine tools, hand tools and precision measuring instruments.

DC Electronic Circuits
Students will learn the fundamental principles of electricity with emphasis on DC (direct current) circuits and an introduction to AC (alternating current) circuits. They will use concepts of Ohm's Law, the Power Formula, and Kirchoff's Laws with series, parallel, and series-parallel circuit applications. The relationship between electricity and magnetism and motor theory will also be introduced. The student will use and maintain digital multimeters and oscilloscopes.

Computer Integrated Manufacturing (CIM)
In this course, students will be introduced to all aspects of computer-integrated manufacturing. They will learn about robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems.

Robotics
Students will apply the knowledge and skills necessary to program and operate Robots, using the teach pendant as the main interface point. The Students will learn robotic operations and system configurations. Students will code, compile, and debug programs using the robotic programming language.

Energy Systems Management
Students will apply basic principles of energy accounting, thermodynamics and heat transfer, energy conversion and efficiency to heating, power generation and transportation. Students will apply the principles and practices needed for managing both renewable and non-renewable energy sources including, solar thermal, hydrogen generation, photovoltaic, hydroelectric, biomass, geothermal heat transfer, and fossil fuel. Future energy systems and energy use scenarios are investigated, with a focus on promoting the use of renewable energy resources and technologies.

Senior Capstone 1 and 2
The capstone courses provide opportunities for students to apply knowledge, attitudes and skills that were learned in the Engineering program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course may be delivered through a variety of delivery methods including cooperative education or internship.

Art

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0200100	Advanced Placement Studio Art	1.0	Y	11-12	Approval by Instructor
S0200105	Applied Art	0.5	S	11-12	Non-Art major-none
S0200120	Ceramics 1	0.5	S	11-12	General Art/senior status or instructor approval
S0200121	Ceramics 2	0.5	S	11-12	Ceramics 1
S0200130	Design: Color	0.5	S	10-12	General Art
S0200131	Design: 3D	0.5	S	10-12	General Art
S0200141	Drawing 1	0.5	S	10-12	General Art
S0200142	Drawing 2	0.5	S	10-12	Drawing 1
S0200143/4	Drawing 3/Honors	0.5	S	11-12	Drawing 2/Approval by instructor (honors)
S0200145/6	Drawing 4/Honors	0.5	S	11-12	Drawing 3/Approval by instructor (honors)
S0200150	Fibers	0.5	S	11-12	General Art and Design: Color
S0200110	General Art	1.0	Y	9-12	None
S0200155	Graphics 1	0.5	S	10-12	General Art
S0200156	Graphics 2	0.5	S	10-12	Graphics 1
S0200157	Graphics 3	0.5	S	11-12	Graphics 2
S0200158	Graphics 4	0.5	S	12	Graphics 3
S0200160	Independent Study	0.5	S	11-12	Approval by Instructor
S0200165	Metals & Jewelry 1	0.5	S	11-12	General Art and Design: Color
S0200166	Metals & Jewelry 2	0.5	S	11-12	Metal & Jewelry 1
S0200153	Mixed Media	0.5	S	9-12	General Art
S0200170	Painting 1	0.5	S	11-12	Drawing 1
S0200171	Painting 2	0.5	S	11-12	Painting 1
S0200172/4	Painting 3/Honors	0.5	S	11-12	Painting 2/Approval by instructor (honors)
S0200175/6	Painting 4/Honors	0.5	S	11-12	Painting 3/Approval by instructor (honors)
S0200180	Photography 1	0.5	S	11-12	Design: Color or Graphics 2
S0200181	Photography 2	0.5	S	11-12	Photography 1
S0200185	Printmaking	0.5	S	11-12	Drawing 1 or Design: Color
S0200190	Sculpture	0.5	S	11-12	General Art and Design: 3D

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject for the next school year or semester (whichever is applicable).

Advanced Placement Studio Art
This course is for highly motivated students committed to serious study. It requires significantly more time in study and studio work. The College Board Advanced Placement Outline will be used. This year-long course includes portfolio preparation. Fee: Same as charged for course – Fees subject to change

Applied Art
This course is a one or two semester course for the *non-art major* to provide some fundamental understanding of the creative process, help students recognize the value of art as personal interest or hobby, and to be aware of how they incorporate art into their daily lives. Fee: $7.50 per semester – Fees subject to change

Ceramics 1
This course allows exploration of processes in hand-building in a three dimensional media as well as exploration of glazing techniques. Assignments may be functional or sculptural in nature. Class may include wheel-throwing. Fee: $15 per semester – Fees subject to change

Ceramics 2
This course is a continuation of Ceramics 1 with more involved and detailed projects. Wheel-throwing is definitely a part of this course. Fees: $15 per semester – Fees subject to change

Design: Color
Design: Color is a semester course which deals with the concepts of color, form, and structure. An understanding of the possibilities of organizing color and design elements will give the students visual logic basic to all advanced art classes that follow. This class will teach the students more about mixing colors and using imaginative design. Fees: $10 per semester – Fees subject to change

Design: 3D
This course experiments with various media, which could include wire, foam, wood, or clay to solve design problems. This class is great for the student who likes to experiment with basic 3-D (non-flat) techniques and projects. Fee: $12.50 per semester. Fees subject to change.

Drawing 1
This course explores both the two and three dimensional perceptions of drawing and the student will use a variety of methods and techniques and a variety of drawing tools and media. Fee: $10 per semester – Fees subject to change.

Drawing 2
This is an advanced course that amplifies the instruction offered in Drawing 1 and stresses the development of personal style while concentrating on figure studies and portraiture. Fee: $10 per semester – Fees subject to change.

Drawing 3/Drawing 3 Honors
This course is a continuation of Drawing 1 and 2. The student will learn advanced drawing techniques in unique personal styles.
Fee: $10 per semester. Fees subject to change

Drawing 4/Drawing 4 Honors
This course is a continuation of Drawing 1, 2, & 3 with more independent study on the part of the student. The student will continue to expand skills, techniques, and begin to develop a personal style. Fee: $10 per semester – Fees subject to change.

Fibers
Students will explore traditional and non-traditional methods of working with fibers, fabrics, paints, dyes and embellishments. They will also demonstrate knowledge of design and color concepts as they relate to decorative and/or functional fiber works. Fee: $10 per semester – Fees subject to change.

General Art
General Art is a year-long course of basic art fundamentals. This course lays the foundation for other art courses. Experimentation in a variety of media gives an overall understanding of the elements and principles of art.
Fee: $15 per year– Fees subject to change.

Graphics 1
This is a semester course on techniques of brush and pen strokes, lettering alphabets, accenting and creative letters. It may include signs, posters, banners, and lettering illustrations.
Fee: $5 per semester – Fees subject to change.

Graphics 2
Graphics 2 is a semester course that addresses the concepts of design, layout, and illustration as related to visual communications media. The goal is to promote sales of a product or idea.
Fee: $5 per semester – Fees subject to change

Graphics 3
This course is a continuation of Graphics 2 with more emphasis on design and technique.
Fee: $5 per semester – Fees subject to change.

Graphics 4
Graphics 4 is a continuation of Graphics 3 through more difficult problem solving.
Fee: $5 per semester – Fees subject to change.

Independent Study
This course is for the serious senior art student. The instructor and student will plan the program and meet for conferences, discuss the direction of the work and the progress. Work outside the class will be required.
Fee: Same as charged for the course – Fees subject to change.

Metals and Jewelry 1
This is a course involving skill in handling flat metals with prefabrication techniques to create jewelry. This course includes working with wire, beading and wrapping techniques. Additional techniques such as sawing, drilling, engraving, and cold connections like riveting may be included. Fee: $15 per semester – Fees subject to change.

Metals and Jewelry 2
The course is a continuation of Metals and Jewelry 1 including appropriate designing and surface treatment. More intensified study may include setting stones and casting.
Fee $15 per semester – Fees subject to change.

Mixed Media
This course offers an exploration of mixed media and its unique properties, physical makeup and methods of application. Traditional, non-traditional and various other art-related products will be utilized in the creation of art that makes a personal, social, environmental or political statement.
Fee $10 per semester-Fees subject to change.

Painting 1
This course may include the traditional and experimental ways of painting objects, figures, portraits, still life, and landscapes in various media and styles. Fee: $15 per semester – Fees subject to change.

Painting 2
This course is a continuation of Painting 1 that builds on past experience and introduces more advanced materials and techniques of painting.
Fee: $15 per semester – Fees subject to change.

Painting 3/Painting 3 Honors
This course is a continuation of Painting 1 and 2 with more independent study on the part of the student with personal style development. Fee: $15 per semester – Fees subject to change.

Painting 4/Painting 4 Honors
This course is a continuation of Painting 1, 2 and 3 with more independent study on the part of the student with personal style development. Fee: $15 per semester – Fees subject to change.

Photography 1
The course addresses the process, materials, skills and techniques used to produce quality images in the darkroom and beyond. Students will use their knowledge of good composition when on photo shoots. They will learn the basics of taking quality pictures with manual cameras as well as making quality images in the darkroom. This could include pin-hole cameras and photograms. Fee-$20 per semester-Fees subject to change.

Photography 2
As a continuation of Photography 1, this course addresses a refinement of the skills and techniques used to produce quality images. Students will build on techniques and skills learned in Photography 1 to further and advance their knowledge and skills. Fee: $20 per semester – Fees subject to change

Printmaking
This course addresses the development and understanding of techniques in printmaking which may include linoleum and/or wood cuts, litho sketch, silk screen, etching, engraving, etc. Fee: $8.50 per semester – Fee subject to change.

Sculpture
This course is an introduction to sculpture processes: additive, subtractive and/or casting.
Fee: $15 per semester – Fees subject to change. **Note:** Art fees cover materials and supplies (i.e. oils, canvas, jewelry, metals) in art classes that may be taken from school as finished products.

Arts and Communications

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S3477302	Graphics Design Printing 1A	1.0	Y	11	Junior standing or instructor's permission
S3477312	Graphics Design Printing 1B	1.0	Y	11	1A & 1B must be taken in conjunction
S3477303	Graphics Design Printing 2A	1.5	Y	12	Graphics Design 1A & 1B
S3477313	Graphics Design Printing 2B	1.5	Y	12	2A & 2B must be taken in conjunction
S3477100	Introduction to Communications	0.5	S	10	None
S3477525	Introduction to Graphics Design	1.0	Y	10	None
S0977305	Teacher Education Exploration 1A	1.0	Y	11	None
S0977315	Teacher Education Exploration 1B	1.0	Y	11	1A & 1B must be taken in conjunction
S0977306	Teacher Education Exploration 2A	1.5	Y	12	Teacher Education Exploration 1A & 1B
S0977316	Teacher Education Exploration 2B	1.5	Y	12	2A & 2B must be taken in conjunction

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Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject for the next school year or semester (whichever is applicable).

Introduction to Communications
In this introductory course, students will explore the world of media including radio, television, internet, newspapers, and music. Students will learn proper speech techniques and the art of public speaking and presentations, and be introduced to basic editing, radio programming, and television programming.

Introduction to Graphic Design
This is the recommended pathway course for Graphic Design Printing. The students will be introduced to computer hardware/software, standard operating systems, the Internet, historical art style periods, creating charts/graphs, and how to use Photoshop Illustrator, and InDesign software packages.

Graphic Design Printing 1A & 1B
Recommended: Introduction to Graphic Design
This is the first year of an exciting two-year course where students learn how to create advertisement design, photo editing, web page design, digital art, and print press layouts. Using Macintosh and Dell computers, students will learn Photoshop Illustrator, InDesign, Freehand, and QuarkXpress software packages, software packages, silk screening posters and t-shirts, and using the offset printers. Students gain hands-on experience by providing services to the community for a nominal fee.

Graphic Design Printing 2A & 2B
This is the second year of an exciting two-year course where students learn how to create advertisement design, photo editing, web page design, digital art, and print press layouts. Using Macintosh and Dell computers, students will learn Photoshop, Illustrator, InDesign, Freehand, and QuarkXpress software packages, software packages, silk screening posters and t-shirts, and using the offset printers. Students gain hands-on experience by providing services to the community for a nominal fee. Ohio SkillsUSA, the student club, is an integral part of the curriculum. Membership provides opportunities to learn social, leadership, and competitive skills in both years. All students are encouraged to join. Students receive a Career Portfolio to present to prospective employers and/or college admission officers which showcases their skills and letters of recommendation from the school superintendent, employers, and teachers. Safety, business work ethics, teamwork, and problem solving will also be taught. No fee required.

Teacher Education Exploration 1A & 1B
The first of this two-year program provides students with information about the challenges and opportunities offered by a career in education. Students will begin to develop a portfolio that will assist them on their path to becoming a teacher. Upon completion of this foundation course, students will be ready for work-based experience in the second year of the program.

Teacher Education Exploration 2A & 2B
In the second year of this program, students will further study the teaching profession by exploring the relationship between school and society, analyzing their own communication skills, developing their technical skills, and understanding the importance of human development. Students will receive tutoring experience under the direction of a mentor teacher. Class projects include creating an educational game, developing a flannel board story, researching educational systems in other countries, and writing a story for an elementary student or class. The final project will be a portfolio documenting the five major themes in education.

Business Technologies

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1477300	Intro to Financial Management	1.0	Y	10	Pathway course for Accounting Tech 1
S1477608	Accounting Technology 1A	1.0	S1	11	Intro to Financial Mgmt. recommended
S1477618	Accounting Technology 1B	1.0	S2	11	1A & 1B must be taken in sequence
S1477620	Accounting Technology 2A	1.0	S1	12	Accounting Technology 1A & 1B
S1477630	Accounting Technology 2B	1.0	S2	12	2A & 2B must be taken in sequence
S0477100	Introduction to Business/Marketing	0.5	S	10	Pathway Course for Entrepreneurship & Supply Chain Management
S0477304	Entrepreneurship 1A	1.0	S1	11	None
S0477314	Entrepreneurship 1B	1.0	S2	11	1A & 1B must be taken in sequence
S0477305	Entrepreneurship 2A	1.0	S1	12	Entrepreneurship 1A & 1B
S0477315	Entrepreneurship 2B	1.0	S2	12	2A & 2B must be taken in sequence
S0477306	Supply Chain Management 1A	1.0	S1	11	None
S0477316	Supply Chain Management 1B	1.0	S2	11	1A & 1B must be taken in sequence
S0477307	Supply Chain Management 2A	1.0	S1	12	Supply Chain Management 1A & 1B
S0477317	Supply Chain Management 2B	1.0	S2	12	2A & 2B must be taken in sequence
S1477200	Intro to Information Services	1.0	Y	10	Pathway Course for Information Tech
S1477600	Information Tech/Network 1A	1.0	S1	11	Algebra 1 & Computer Experience/Information Services recommended
S1477610	Information Tech/Network 1B	1.0	S2	11	1A & 1B must be taken in sequence
S1477602	Information Tech/Network 2A	1.0	S1	12	Information Tech/Network 1A and 1B
S1477612	Information Tech/Network 2B	1.0	S2	12	2A & 2B must be taken in sequence
S1477100	Intro to Visual Media	0.5	S	10	Pathway Course for Visual Communication Design
S1477604	Visual Communications Design 1A	1.0	S1	11	Visual Media Recommended
S1477614	Visual Communications Design 1B	1.0	S2	11	1A & 1B must be taken in sequence
S1477606	Visual Communications Design 2A	1.0	S1	12	Visual Communications Design 1A & 1B
S147614	Visual Communications Design 2B	1.0	S2	12	2A & 2B must be taken in sequence
S0300378	Business Law	0.5	S	10-12	None
S0300379	Personal Finance	0.5	S	9-12	None

S0300386	Personal Keyboarding	0.5	S	9-12	None
S0300373	Software Applications	1.0	Y	9-12	None
High School of BUSINESS™ Program		**4.0**		**9-12**	***Interest in Business/Marketing***
B1477500	Business Application & Economics Block				
S1477500	Business Applications & Economics 1A	0.5	S	9	None
S1477510	Business Applications & Economics 1A	0.5	S	9	Business Applications & Economics 1A
B1477501	Business Administration Marketing Block				
S1477501	Business Administration Marketing 2A	0.5	S	10	None
S1477511	Business Administration Marketing 2B	0.5	S	10	Business Administration Marketing 2A
B1477502	Business Administration Finance Block				
S1477502	Business Administration Finance 3A	0.5	S	11	None
S1477512	Business Administration Finance 3B	0.5	S	11	Business Administration Finance 3A
B1477503	Business Administration Strategic Management Block				
S1477503	Bus. Administration Strategies Mgmt. 4A	0.5	S	12	None
S1477513	Bus. Administration Strategies Mgmt. 4A	0.5	S	12	Business Administration Management 4A

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject the next school year or semester (whichever is applicable).

Introduction to Financial Management
Introduction to Financial Management is the pathway course into Accounting Technology. This course will acquaint students with economics, banking, insurance, money management, and business software packages. Instructional strategy will include the use of computer simulations, projects, case studies, and business experiences.

Accounting Technology 1A & 1B **Recommended: Introduction to Financial Management**
Accounting 1 is a course that introduces the language of business. This course involves understanding, analyzing and recording business transactions. Accounting is preparing, and interpreting financial reports as a basis for decision making. Instructional strategies will include the use of computer projects, simulations, case studies, and business experiences requiring the application of accounting theory and principles. *This course meets the Ohio Core graduation requirement for financial literacy.*

Accounting Technology 2A & 2B
Accounting Technology 2 is an advanced study of accounting and builds upon the concepts in Accounting 1. The focus of this course is managerial decisions made in corporate accounting. Students will gain skills in automated accounting. This program is Tech Prep and students have the potential to earn college credit while in high school. Internship may be available upon instructor approval.

Entrepreneurship 1A & 1B **Recommended: Introduction to Marketing**
This is an introductory course that prepares students for Small Business Entrepreneurship 2. This student centered, project based class focuses on the concepts of being an entrepreneur. In the junior year emphasis is given to marketing, research, promotion, and pricing. Free enterprise is an overriding theme in all training and instruction. Students gain experience in real world entrepreneurship issues and marketing examples. This class is a must for anyone who has an interest in entrepreneurship or marketing.

Entrepreneurship 2A & 2B
This class is the capstone course for Small Business Entrepreneurship and a foundation course for future entrepreneurs. Students will participate in competitions, visit small business owners, and complete community service projects. Students are required to complete the work experience component of this course and will earn two credits for work experience.

Intro to Information Services
This pathway course is the foundation to the Information Technology—Networking class. In this course you will learn the basics of computer functions and networking.

Information Tech/Network 1A & 1B **Recommended: Information Services**
Information Technology 1 is a two-year Tech Prep program. The first year focuses on developing the ability to maintain, manage and troubleshoot personal computers. Upon successful completion of the program the student will acquire the skill-set to pass the industry standard A + Certification. A+ Certification shows potential employers that the recipient possesses the knowledge to manage personal computers. The course also provides a learning pathway to Cisco CCNA.

Information Tech/Network 2A & 2B
Information Technology 2 is the second year of a two-year program. This course focuses on network design/repair, and is an in-depth study of Cisco. The Cisco CCNA curriculum helps students prepare for ICT careers and is aligned with the globally recognized Cisco CCENT and CCNA certifications, further validating skills to potential employers. If you desire to become a Cisco networking professional consider this course. Students in this program have the potential to earn college credits while in high school. Internships may be available upon instructor approval.

Supply Chain Management 1A & 1B **Recommended: Introduction to Marketing/Business**
This TECH PREP course introduces students to Supply Chain Management (SCM) and various job functions involved within the distribution channel. Supply Chain Management encompasses all activities associated with the flow and transformation of goods from the raw material stage through to the end user. Instruction involves marketing, distribution methods, production, product transportation, research, information and materials management. This course includes field trips to college/career fairs, DECA Marketing events, business tours, and transportation companies involved in SCM. Class involvement includes the use of the internet for research and projects, graphic design creations, business forms, and marketing plans.

Supply Chain Management 2A & 2B
The senior program continues the concepts from SCM 1. Specific topics within the supply chain are studied in more detail. Students will gain valuable knowledge of the different occupations involved within the supply chain management field. Students in this program have the potential to earn college credits while in high school. Internships may be available upon instructor's approval.

Introduction to Visual Media
Visual Media is a project based business course which can be used for personal and occupational applications. Students will expand their understanding of computer knowledge for business applications. Students will create documents, edit, and format text, graphs, create forms, and templates, design presentations, and use the Internet. They will use Microsoft Publisher software. Introduction into how to create a web page will also be explored. This course prepares students to enter the Tech Prep Visual Communications Design program.

Visual Communications Design 1A & 1B **Recommended: Visual Media**

This two year multi-media Tech Prep program is designed to give students the opportunity to experience, create and excel in the fields of electronic audio and visual communications. Students learn basic theory and technique in computer-based graphics production, digital audio, digital recording, and editing using Adobe Suite. The following software is used: Adobe In-Design, Photoshop, Illustrator, and Dreamweaver.

Visual Communications Design 2A & 2B

The second year of Visual Communications Design program concentrates on Website design and layout, interactive presentation design and two dimensional modeling and animation. Students use multimedia technology to develop products/programs for business, training, entertainment, communications and marketing. College credit may be given for performance of specific proficiencies in conjunction with Owens Community College or Northwest State Community College.

Business Law

Business Law provides an overview of the legal system. Students will be introduced to the basic principles of the law and how it affects them as citizens, consumers, and members of the business community. Instructional strategies will include: mock trials, case studies, guest speakers and Internet projects. Fee: $15.00 – Fees subject to change

Personal Finance

Students will learn basic financial and economic concepts to be an educated consumer. Topics such as budgeting, banking services, investing, insurance, credit, consumer rights, taxes, housing, auto purchase and care will be covered in this financial "life skills" class.

Personal Keyboarding

Personal Keyboarding works on building touch memory of all letters, numbers, special symbols and functions. This class will cover format, simple letters, memos, tables and reports. Fee: $15.00 – Fees subject to change

Software Applications

Software Applications will provide computer and multimedia literacy to provide the best possible foundation for technology achievement. Students will utilize the Microsoft Office software (Word, Excel, and PowerPoint). This course will equip students with the knowledge and tools to properly and efficiently create documents, worksheets, and presentations suitable for school, professional, or personal use. Students will also focus on the role of information technology in business education as it relates to ethical, legal, and responsible behavior. Fee: $15.00 – Fee subject to change

Business Professionals of America (BPA) is an integral part of Career-Technical Education programs within the Ohio Department of Education. BPA is a co-curricular organization that supports business and information technology educators by offering curriculum based on national standards. The mission is to contribute to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills. Membership is open to students in career technology programs that prepare them for careers in business and administrative services, financial services, marketing, or information technology career fields.

High School of BUSINESS™

The High School of BUSINESS™ (HSB) Curriculum is designed to prepare high school students to excel in a college business program.

Business Applications and Economics 1A & 1B

High School of BUSINESS™-Business Applications and Economics is a project based course, which develops student understanding and skills in areas such as communication, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. This course is designed for students to identify, plan, implement, and evaluate a service learning project. The project is based on the needs of their community school.

Business Administration and Marketing 2A & 2B

High School of BUSINESS™-- Business Administration and Marketing is a project based course that develops student understanding and skills in such areas as business law, economics, financial analysis, human resources, information management, marketing, operations, and strategic management. Through the use of projects, students acquire an environmental scan of the business community, and investigate business activities.

Business Administration and Finance 3A & 3B

High School of BUSINESS™-- Business Administration and Finance is a project based financial literacy and investment course. This course will help students develop understanding and skills in areas such as personal finance, types of investment, the stock market, and stock valuation. Students acquire an understanding and appreciation of the need for personal financial management and investing. *This course meets the Ohio Core graduation requirement for financial literacy.*

Business Administration and Strategic Management 4A & 4B

High School of BUSINESS™-- Business Administration and Strategic Management is a project based business course, where students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, governmental policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Students develop their knowledge and skills in areas such as economics, entrepreneurship, operations, and professional development.

Career Education

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0000600	AVID 1	**1.0**	Y	9	See course description
S0000700	AVID 2	1.0	Y	10	Successful completion of AVID 1 and/or meet entrance/exit criteria
S0000800	AVID 3	1.0	Y	11	Successful completion of AVID 2 and/or meet entrance/exit criteria
S0000900	AVID 4	1.0	Y	12	Successful completion of AVID 3 and/or meet entrance/exit criteria
S9900170	Career Decisions	0.5	S	9-12	None
S9900171	Career Internship	0.5	S	12	Senior status/Application Process
S1902520	Job Training Program	1.0	Y	9-12	Must be scheduled through Job Training Coordinator
S1902500	Job Level Training Level 1	1.0	Y	9-12	Must be scheduled through Job Training Coordinator
S1902560	Social Skills	1.0	Y	9-12	
S1901300	Work Experience Junior	1.0	Y	9-12	
S1901400	Work Experience Senior	1.0	Y	9-12	

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
Students earning high school credit in EHSO classes are eligible to enroll in the next level of the subject the next school year or semester (whichever is applicable)

AVID 1
AVID stands for "Advancement Via Individual Determination." The following are criteria for consideration for acceptance into the AVID class; Academic and college potential, demonstration of desire and determination to succeed academically, average to high OST scores and a cumulative GPA 2.0-3.5. Students meeting these broad standards are then assessed based on one or more additional criteria including: 1st generation in family to attend college, members of historically under-served populations in four year colleges and universities, economically disadvantaged, and students with special circumstances requiring extra support for academic success. To be admitted to AVID, students must participate in the recruitment process. Once admitted to the AVID program, a student remains in the program unless proper exit protocols are followed. To exit AVID, the AVID elective teacher(s) must be consulted as well as an exit interview completed. Students are enrolled in an elective class which provides academic and social support that increase the potential for academic success in high school and successful enrollment in post-secondary education after high school graduation.

AVID 2
Students who have successfully completed AVID 1 automatically continue in this class for a second year. New students must meet student recruitment criteria.

AVID 3
Students who have successfully completed AVID 2 automatically continue in this class for a third year. New students must meet student recruitment criteria.

AVID 4
Students who have successfully completed AVID 3 automatically continue in this class for a fourth year. It is not recommended to add new students into AVID 4; however if added a new student must meet student recruitment criteria.

Career Decisions
This course focuses on self-awareness, career exploration, job-seeking skills, employment trends, and options after graduation. Those options include 4-year and 2-year colleges, proprietary schools, military service, apprenticeships, and on-the-job-training. Career Decisions assists the student in making course selections and in planning their high school experience.

Career Internship
Individually selected seniors spend 6 hours per week in an internship in a local business, hospital, or agency based upon the student's career choice. Students receive hands-on work experience in career areas selected jointly by the student and the company.

Job Training Program
The Job Training Program is designed to provide community experiences, job training, and transition services for students ages 16-22 with diverse abilities. Elective credits are offered according to work experiences and teacher/employer evaluation.

Social Skills
Students taking the Social Skills class will receive hands-on experience in dealing with peers, adults, employers, etc. This course focuses on self-awareness, building positive relationships and growing as an individual. This course prepares students for the Work Study Program and/or Options IV Program.

Work Experience Junior or Senior
This program is designed for students who are 16-22 years of age and have successfully completed course requirements needed for that grade level. Students will receive elective graduation credit/s upon successful completion of the required work hours and employer evaluations. Interested students must meet with the Work Study Coordinator and school counselor to discuss the program. Requirements will be reviewed at that time.

Carpentry & Construction Academy

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1777274	Carpentry & Construction Academy 1	1.0	Y	9	Acceptance into program
S1777262	Carpentry & Construction Academy 2A	1.0	S1	10	Completion of 9th grade curriculum
S1777272	Carpentry & Construction Academy 2A	1.0	S2	10	2A & 2B must be taken in sequence
S1777226	Carpentry & Construction Academy 3A	1.5	S1	11	Completion of 10th grade curriculum
S1777236	Carpentry & Construction Academy 3B	1.5	S2	11	3A & 3B must be taken in sequence
S1777227	Carpentry & Construction Academy 4A	1.5	S1	12	Completion of 11th grade curriculum
S1777237	Carpentry & Construction Academy 4B	1.5	S2	12	4A & 4B must be taken in sequence

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees

The Carpentry & Construction Academy is a four-year rigorous high school program, designed to provide exploration and skill development in construction management and all skilled trades. Students will also explore the career fields of architecture and construction engineering. The curriculum in the Carpentry& Construction Academy is work force ready & college preparatory, which allows students to enter apprenticeship programs, associate degree programs or baccalaureate programs upon completing high school. Students will experience mentoring from numerous construction professionals while attending high school. Part of the senior year's curriculum, for qualified students, is an opportunity to work in an internship supervised by industry professionals. No fees required.

Minimum criteria for consideration for acceptance into the Carpentry & Construction Academy:

- Entering 9th grade
- Application based on the following:
  - Discipline Records
  - Attendance Records
  - Student and Parent Interview
  - Letters of Recommendation
  - Aptitude Testing
  - Writing Sample

Location
The Carpentry & Construction Academy is located in the Careers Center at Waite High School. For more information, please contact the Carpentry & Construction Academy at (419) 671-7000.

Carpentry & Construction Academy 1
Location: Waite High School

Carpentry & Construction Academy 2A & 2B
Location: Waite High School

Carpentry &Construction Academy 3A & 3B
Location: Waite High School
Student club, Ohio SkillsUSA, is an integral part of the curriculum where students learn social, leadership and competitive skills in both the junior and senior year. All students are encouraged to join.

Carpentry & Construction Academy 4A & 4B
Location: Waite High School
Students receive a career portfolio to present to prospective employers and/or college admission officers which showcases their skills and letters of recommendation from the school superintendent, employers and teacher.

Construction Technology Academy

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1777260	Construction Technology Academy 1A	1.0	S1	9	Acceptance into program
S1777270	Construction Technology Academy 1B	1.0	S2	9	1A & 1B must be taken in sequence
S1777262	Construction Technology Academy 2A	1.0	S1	10	Completion of 9th grade curriculum
S1777272	Construction Technology Academy 2B	1.0	S2	10	2A & 2B must be taken in sequence
S1777220	Construction Technology Academy 3A	1.0	S1	11	Completion of 10th grade curriculum
S1777230	Construction Technology Academy 3B	1.0	S2	11	3A & 3B must be taken in sequence
S1777221	Construction Technology Academy 4A	1.0	S1	12	Completion of 11th grade curriculum
S1777231	Construction Technology Academy 4B	1.0	S2	12	4A & 4B must be taken in sequence

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees

The Construction Technology Academy is a four-year rigorous high school program, designed to provide exploration and skill development in construction management and all skilled trades. Students will also explore the career fields of architecture and construction engineering. The curriculum in the Construction Technology Academy is a college preparatory, which allows students to enter apprenticeship programs, associate degree programs or baccalaureate programs upon completing high school. Students will experience mentoring from numerous construction professionals while attending high school. Part of the senior year's curriculum, for qualified students, is an opportunity to work in an internship supervised by industry professionals. No fees required.

Minimum criteria for consideration for acceptance into the Construction Technology Academy:

- Entering 9th grade
- Application based on the following:
  - Discipline Records
  - Attendance Records
  - Student and Parent Interview
  - Letters of Recommendation
  - Aptitude Testing
  - Writing Sample

Location

The Construction Technology Academy is located in the Careers Center at Rogers High School. For more information, please contact the Construction Technology Academy at (419) 671-1000.

Construction Technology Academy 1A & 1B

Location: Rogers High School

Construction Technology Academy 2A & 2B

Location: Rogers High School

Construction Technology Academy 3A & 3B Location: Rogers High School

Student club, Ohio SkillsUSA, is an integral part of the curriculum where students learn social, leadership and competitive skills in both the junior and senior year. All students are encouraged to join.

Construction Technology Academy 4A & 4B Location: Rogers High School

Students receive a Career Portfolio to present to prospective employers and/or college admission officers which showcase their skills, and letter of recommendation from the school superintendent, employers and teacher.

English Language Development

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0500660	ESL 1	1.0	Y	9-12	None
S0500670	ESL 2	1.0	Y	10-12	ESL 1
S0500680	ESL 3	1.0	Y	11-12	ESL 2
S0500690	ESL 4	1.0	Y	12	ESL 3
S0500700	ESL A	1.0	Y	9-12	to be taken in conjunction with ESL 1
S0500710	ESL B	1.0	Y	10-12	to be taken in conjunction with ESL 1

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees

Students enrolling in Toledo Public Schools who come from other countries and/or non-English speaking backgrounds and are not proficient in the English language may receive supportive services through the English as a Second Language Program (ESLP) until they achieve the established criteria or proficiency in the English Language as determined by the Ohio English Language Proficiency Assessment (OELPA) given yearly to all EL students.

ESL 1
This course is structured so that students will receive basic vocabulary and grammar, writing, and listening skills. Acculturation will be simultaneously implemented. A student may enroll in a maximum of 2 hours of ESL 1 per semester.

ESL 2
This course will be a continuation of ESL 1, with added emphasis on beginning composition and grammatical skills. A student may enroll in a maximum of 1 hour of ESL 2 per semester.

ESL 3
This course will have a particular emphasis on structural analysis, comprehension, and vocabulary with specific concentration in the area of grammar, speaking and writing skills. Analytical and interpretive skills will be introduced at the beginning level.

ESL 4
This course will emphasize skills that will continue to develop the student's ability to find and organize information, read more complex instructional materials, and improve speaking and writing syntax in order to be employable and survive in higher education.

ESL A
This course is taken in conjunction with ESL 1. This course is structured so that students develop basic vocabulary and grammar skills. Emphasis is on improving writing skills and literature comprehension. The literature anthology will be used as the core program as in the English 1 class. Students successfully completing this course will earn 1.0 unit of graduation credit that fulfills an English credit requirement.

ESL B
This course is taken in conjunction with ESL 2. This course continues to emphasize writing skills and literature comprehension. The literature anthology will be used as the core of the program as in the English 2 class. Students successfully completing this course will earn 1.0 unit of graduation credit that fulfills a second English credit requirement.

Family and Consumer Sciences

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0977570	Transitions and Careers	0.5	S	9-12	None
S0977562	Child Development	0.5	S	10-12	None
S0977558	Principles of Food	0.5	S	9-12	None
S0977299	Culinary Fundamentals	0.5	S	10-12	C or better in Principles of Food
S0977561	Personal Finance Management	0.5	S	9-12	None

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees For Family & Consumer Science courses, the cost of materials and supplies for special projects will vary per school. Selection of a project is the student's option with permission of the teacher.

Students earning high school credit in EHSO classes are eligible to enroll in the next level of the subject the next school year or semester (whichever is applicable)

Transitions and Careers
Life choices, changing employment trends, and economic conditions will shape your career goals. This class analyzes your personal interests, skills, talents, and values to select personal career options and develop core employability skills to be successful in school and the workplace. Goal setting, planning, communication skills, time management skills, and investigating non-traditional gender roles will be addressed. Community service is integrated into the class. FCCLA is an integral part of the course.

Child Development
This class will help students develop skills needed to assume the parenting role by recognizing factors of healthy families. It will teach students ways to identify typical needs of all children, their developmental milestones, nutritional needs and ways of finding quality child care. Students will also compare nutritional needs during pregnancy and healthy practices during prenatal care, labor and delivery. Real care baby simulation is part of this course. Family, Career and Community Leaders of America (FCCLA) is an integral part of the course.

Principles of Food
Students will gain knowledge and skills in acquiring and practicing a healthy lifestyle using dietary guidelines that will reduce the risks of chronic disease and use of unsafe habits. They will gain competence in food and beverage selections for a healthy lifestyle. They will also receive classroom instruction related to becoming and staying fit through the knowledge of exercise, participation in food labs and community services. FCCLA is an integral part of the course.

Culinary Fundamentals
Students will apply fundamental culinary techniques, such as knife-handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. Students will have an opportunity to earn their ServSafe certificate. FCCLA will be an integral part of the course.

Personal Finance Management
Students will gain knowledge and skills to help them function as informed, educated, and responsible consumers, and understand the media's representation of goods and services and their advertising impact on our spending habits. They will learn the implications of sound personal financial goals, savings, banking practices, and appropriate use of credit. FCCLA will be an integral part of the course. *This course meets the Ohio Core Graduation requirement for Financial Literacy.*

Family, Career, and Community Leaders of America (FCCLA)

FCCLA is the career technical student organization for Family and Consumer Science classes and programs. The mission of FCCLA is: "To promote personal growth and leadership development through Family and Consumer Science education. Focusing on the multiple roles of family members, wage earners, and community leaders. Members develop skills for life through character development; creative and critical thinking; interpersonal communications; practical knowledge; and career preparation."

Health & Physical Education

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0800661	Health	0.5	S	9-12	None
S0800662	Lifetime Sports and Skills	.25	S	11-12	C or higher in P.E. 1 & 2 and teacher recommendation
S0800660	Personal Fitness and Health	0.5	S	10-12	Physical Education 1
S0800663	Physical Education 1	.25	S	9-12	None
S0800665	Physical Education 2	.25	S	9-12	None
S0800700	Weight Training	.25	S	9-12	Student enrollment in class is based on weight room capacity
S0800664	First Aid Emergency	0.5	S	10-12	None

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
Health and Physical Education 1 and 2are the only courses in this section that satisfy ODE graduation credit requirements.
Other courses in this section satisfy TPS graduation requirements, but not the ODE elective requirements.
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject the next school year or semester (whichever is applicable)

First Aid
This course teaches first aid and CPR. Teachers, please contact HR for credentials required to teach this course.

Health
The course has two main goals. The first is to help students appreciate the value of physical, mental, and social health. The second is to provide information to encourage thoughtful and responsible behavior in the area of Human Growth & Development.

Lifetime Sports and Skills
This elective course will expose students to life-time activities not ordinarily taught in the required physical education curriculum. Class is limited to 18 students. Fee: $10.00 (Off campus activities) Fees subject to change.

Personal Fitness and Health
This course is designed to develop self-esteem, lifelong fitness, and health and wellness. Specific health issues related to women will be taught, along with self-management skills. Aerobic dance, walking, jogging, and muscular conditioning will be incorporated. Students should wear comfortable clothing and have appropriate shoes. Fee: $5.00 – Fees subject to change.

Physical Education 1 and Physical Education 2
This program emphasizes sports and games, understanding of the importance of physical fitness, and carry-over activities in the area of leisure time skills. Fee: Uniforms

Weight Training
The purpose of a weight training and conditioning program for high school athletes is to improve athletic performance, improve muscular strength and endurance, reduce the risk of injury and build self-confidence. Student athletes will also learn proper technique in a wide variety of exercises thereby increasing their performance while reducing the potential for injury. Student athletes will learn how to design and implement workout routines specific to the sport in which they participate.

** Student enrollment into class is based upon the weight training facility's capacity. **

Industrial and Engineering Technologies

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1777105	Advanced Electronics 1A	1.0	S1	11	Junior standing or permission of instructor
S1777115	Advanced Electronics 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777106	Advanced Electronics 2A	1.0	S1	12	Adv. Elec. 1A & 1B or instructor's permission
S1777116	Advanced Electronics 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777222	Auto Collision Technology 1A	1.0	S1	11	Junior standing or permission of instructor
S1777232	Auto Collision Technology 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777223	Auto Collision Technology 2A	1.5	S1	12	Auto Col 1A&1B or instructor's permission
S1777233	Auto Collision Technology 2B	1.5	S2	12	2A & 2B must be taken in conjunction
S1777224	Auto Technology 1A	1.0	S1	11	Junior standing or permission of instructor
S1777234	Auto Technology 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777225	Auto Technology 2A	1.5	S1	12	Auto Tech 1A&1B or instructor's permission
S1777235	Auto Technology 2B	1.5	S2	12	2A & 2B must be taken in conjunction
S1777103	CAD Technician 1A	1.0	S1	11	Junior standing or permission of instructor
S1777113	CAD Technician 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777104	CAD Technician 2A	1.0	S1	12	CAD Tech. 1A & 1B or instructor's permission
S1777114	CAD Technician 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777496	Cosmetology 1	1.5	Y	11	Junior standing or permission of instructor
S1777498	Cosmetology 1 Lab	1.5	Y	11	Taken in conjunction with Cosmetology 1
S1777497	Cosmetology 2	1.5	Y	12	Senior returning with required COS hours
S1777499	Cosmetology 2 Lab	1.5	Y	12	Taken in conjunction with Cosmetology 2
S1777503	Pre-Barber 1	1.5	Y	11	Junior standing or permission of instructor
S1777513	Pre-Barber 1 Lab	1.5	Y	11	Taken in conjunction with Pre-Barber 1
S1777504	Pre-Barber 2	1.5	Y	12	Senior returning with required Pre-Barber hrs
S1777514	Pre-Barber 2 Lab	1.5	Y	12	Taken in conjunction with Pre-Barber 2
S1000313	Design Architecture	1.0	Y	10	None
S1777203	Diesel Technology 1A	1.0	S1	11	Junior standing or permission of instructor
S1777213	Diesel Technology 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777204	Diesel Technology 2A	1.0	S1	12	Diesel Tech. 1A & 1B or instructor's permission

S1777214	Diesel Technology 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777228	Electrical Trades Technology 1A	1.0	S1	11	Junior standing or permission of instructor
S1777238	Electrical Trades Technology 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777229	Electrical Trades Technology 2A	1.5	S1	12	Elec. Trades 1A&1B or instructor's permission
S1777239	Electrical Trades Technology 2B	1.5	S2	12	2A & 2B must be taken in conjunction
S1777107	Engineer Design/CAD 1A	1.0	S1	11	Junior standing or permission of instructor
S1777117	Engineer Design/CAD 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777108	Engineer Design/CAD 2A	1.0	S1	12	Eng Des/CAD. 1A & 1B or instructor's permission
S1777118	Engineer Design/CAD 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777274	Intro to the Building Trades	1.0	Y	10	None
S1777300	Manufacturing Technologies	1.0	Y	10	None
S1777207	Adv. Manufacturing & Machining 1A	1.0	S1	11	Junior standing or permission of instructor
S1777217	Adv. Manufacturing & Machining 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777208	Adv. Manufacturing & Machining 2A	1.0	S1	12	Adv. Man. & Mach. 1A & 1B or instructor's permission
S1777218	Adv. Manufacturing & Machining 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777400	Manufacturing Capstone	0.5	S	12	Adv. Man & Mach 1A&1B & 2 in process
S1777500	Intro to Public Safety	1.0	Y	10	None
S1777501	Public Safety 1A	1.0	S1	11	Junior standing or permission of instructor
S1777511	Public Safety 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777502	Public Safety 2A	1.0	S1	12	Public Safety 1A & 1B or instructor's permission
S1777512	Public Safety 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777242	Residential Remodeling & Repair 1A	1.0	S1	11	Junior standing or permission of instructor
S1777252	Residential Remodeling & Repair 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777243	Residential Remodeling & Repair 2A	1.0	S1	12	Res. Remodel. & Repair 1A & 1B or instructor's permission
S1777253	Residential Remodeling & Repair 2B	1.0	S2	12	2A &2B must be taken in conjunction
S1777100	Transportation Technologies	1.0	Y	10	None
S1777280	Intro to Welding	1.0	Y	10	None
S1777281	Welding 1A	1.0	S1	11	Junior standing or permission of instructor
S1777291	Welding 1B	1.0	S2	11	1A & 1B must be taken in conjunction
S1777282	Welding 2A	1.0	S1	12	Welding 1A & 1B or instructor's permission

S1777291	Welding 2B	1.0	S2	12	2A &2B must be taken in conjunction
Career Technology Experience-Start HS		The following classes are to be taken one each quarter for a full year:			
S9900300	Manufacturing Experience	.25	Q	9-12	None
S9900302	Engineering Experience	.25	Q	9-12	None
S9900304	Construction Experience	.25	Q	9-12	None
S9900306	Electrical Experience	.25	Q	9-12	None
Career Technology Experience-Woodward HS		The following classes are to be taken one each quarter for a full year:			
S9900308	Graphics Design Experience	.25	Q	9-12	None
S9900310	Diesel Experience	.25	Q	9-12	None
S9900312	Supply Chain Management Experience	.25	Q	9-12	None
S9900314	AVID	.25	Q	9-12	None

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees

The rules governed by the Ohio State Board of Cosmetology for related core classes are as follows:

Juniors: Related Academics-Biology, Anatomy-180 hrs per year, Other academics-Math-180 hrs per year

Seniors: Related Academics-Sr English- 180 hrs per year, Other academics-Chemistry-180 hrs per yearFor all Industrial and Engineering Technology programs: Students have the opportunity to join SkillsUSA and to be awarded a Career Portfolio. SkillsUSA, the student club, is an integral part of the curriculum where students learn social, leadership, and competitive skills in both years. All students are encouraged to join.

Career Portfolio: Students receive a Career Portfolio to present to prospective employers and/or college admission officers which showcases their skills and letters of recommendation from the school superintendent, employers, and teachers.

Advanced Electronics 1A &1B
First year students will learn and understand the Foundations of Electronics from Basic Surface Mount (SM) Circuit Construction and Surface Mount (SM) component recognition through hands-on training and lab experiments. Junior students are also introduced to basic electronics concepts, circuit construction and analysis used in the new technology oriented security industry. Students will learn to set up, operate and maintain a variety of security equipment and devices as they work toward the associate level of International Society Certified Electronics Technician (I.S.C.E.T.) students will use those abilities along with creative problem solving to acquire a skill that can benefit them for the rest of their lives on the job and at home. No fees required

Advanced Electronics 1A &1B
Second year students will learn and understand advanced electronic security concepts such as Biometrics, Global Positioning Systems, Security Robots, Secure Communication Devices, Secure Communications Technology, Surveillance Technology, Computer Controlled Security Alarm Systems and Security Nanotechnology through hands-on lab experiments and classroom training. Through lab training and hands-on performance, students will learn how to create, set up, operate/maintain, and troubleshoot computerized electronic devices associated with the security industry as they continue toward attaining their International Society Certified Electronics Technician rating. The Certified Electronics Journeyman designation can be completed through college or on the job (OJT) training. No fees required.

Auto Collision Technology 1A & 1B
Students will receive hands-on experience repairing and refinishing automobiles, including straightening frames, body repairs, and installing new and used parts. Areas covered will be: Brakes, Steering and Suspension (basic alignment and engine repair) including electrical (starting, charging and lighting systems, and basic computer commands). No fees required.

Auto Collision Technology 2A & 2B
Students will receive advanced hands-on experience by refinishing automobiles and providing services to the community for a nominal fee. No fees required.

Auto Technology 1A & 1B
Students in the Auto Tech 1 program will receive classroom and hands-on shop experience in brakes, steering and suspension. All training will lead to the ability to have entry level knowledge for the auto technology field. Students will receive training using customers' cars from the community. Repairs will be provided for a nominal fee. End of program online testing (NATEF/ASE) will be taken on brakes, steering, and suspension. No fees required.

Auto Technology 2A & 2B
Students will receive classroom instruction and hands-on experience in engine performance and electrical/electronic systems. Students will receive training using customers' cars from the community. Repairs will be provided for a nominal fee. End of program online testing (NATEF/ASE) will be taken on engine performance and electrical/electronics. No fees required.

CAD Technician 1A & 1B
This first year course will provide basic CAD concepts including plotter operations, use/edit commands, mechanical/architectural drawings and drawing parameters. No fees required.

CAD Technician 2A & 2B
Students will learn advanced CAD concepts and engineering and architectural design principles. Students will have career opportunities as well as secondary options. No fees required.

Cosmetology 1 & Cosmetology 1 Lab
Students learn how to give manicures and facials, scalp treatments, and to bleach, color, and cut and style hair and wigs. The State Board of Cosmetology 1500-hour curriculum gives students theory, demonstrations, practice and customer service experience needed to qualify for and pass the Ohio State Board of Cosmetology examination for licensure in the State of Ohio.

Cosmetology 2 & Cosmetology 2 Lab
Students obtaining required hours in the program will be able to work on customers from the community. Shadowing experiences with local salons will be provided for each student. Upon successful completion of the program, students will take the State Board of Cosmetology examination for licensure in the State of Ohio in Columbus. No fees required.

Design Architecture
This is an introductory program of hands-on activities ranging from architectural sketching to model building. Activities include design of house interiors, exteriors and floor plans. The course is recommended for students pursuing design or architectural related careers. CAD (Computer Aided Design) is also explored. Occupational information to assist students in career decisions will be included. Fee required.

Diesel Technology 1A & 1B
In this course, students will apply the skills needed to inspect and perform general service on diesel vehicles and diagnose and repair vehicle electrical systems, including chassis electrical, charging, starting and lighting systems. Students will research applicable service information and technical service bulletins, inspect and service engine, drive train, suspension, steering, electrical and braking systems. Students will perform ignition maintenance including spark plug/glow plug and ignition wire and coil pack replacement, change fluids, filters and inspect vehicles for leaks and fluid condition. Additionally, students will learn the fundamentals of direct current (DC) electronics including series, parallel, and series-parallel circuits, as well as use electronic diagnostic tools, read schematics, and utilize printed and electronic repair manuals to troubleshoot electrical circuits, test components and replace defective modules. No fees required.

Diesel Technology 2A & 2B

Students will inspect, diagnose, and repair diesel truck engines, as well as learn principles of heating, ventilation and air conditioning systems (HVAC) for use in diesel vehicles. Students will learn the principles of valve train assemblies, lubrication, intake, exhaust, and fuel systems. Skill development in engine testing, inspection and repair of electronic fuel management systems will be emphasized, including breakdown and assembly of heavy truck engines and supporting systems. Students will also inspect, diagnose, repair and maintain vehicle air conditioning and heating systems, and use service equipment to evacuate, store and charge the air conditioning system. An emphasis will be given to the safe handling of refrigerants following EPA regulations.

Electrical Trades Technology 1A & 1B
This course provides instruction in residential, commercial and industrial wiring, with emphasis on electrical codes. Instruction involves layout, installation, testing and maintenance of electrical systems. This is a pre-apprenticeship program. No fees required.

Electrical Trades Technology 2A & 2B
Students will learn advanced skills in residential, commercial and industrial wiring. This is a pre-apprenticeship program. A qualifying student may work with the International Brotherhood of Electrical Workers (IBEW) or other qualified employers. No fees required.

Engineering Design/CAD 1A & 1B
This career oriented Tech Prep class prepares students to begin a career in engineering and/or manufacturing. Students will receive hands-on experience with CADD (computer aided design and drafting), CNC (computer numerical control) machines, Rapid Phototyping machines, and CAM (computer aided machining) to design and develop prototypes using various materials. Students will use a CMM (computerized measuring machine) for inspecting engineering parts. Students will also acquire knowledge and hands-on experience in Mechanical Physics, Electricity and Electronics, Pneumatics, and Hydraulics. Other related topics covered will be health and environment, industrial business issues, leadership and teamwork, career exploration, legal and ethical aspects in industry, tools and equipment, effective communication, problem solving, and critical thinking. No fees required.

Engineering Design, CAD 2A & 2B
This course continues to prepare students for careers in engineering, and/or manufacturing. Students will receive more in-depth hands-on experience with CADD, CNC, Rapid Prototyping machines, CAM and CMM. Students also acquire knowledge and hands-on experience in mechanical physics, electricity, and electronics, pneumatics and hydraulics. Above related topics under Design/CAD 1 are covered on an advanced level. No fees required.

Intro to Building Trades
This course is designed to explore the diverse field of construction technologies. Students will be exposed to hands-on activities, industry presentations, and field trips to various job sites. Students will learn the safe use of power tools, hand tools and materials used in the construction industry. Emphasis will be placed on problem-solving techniques and critical thinking activities.

Manufacturing Technology
This course introduces students to the exciting world of CAD (Computer Aided Design), Electronics, Metals, Welding, and Precision Machining. Hands-on activities, problem solving skills, and critical thinking opportunities are a significant part of this course and are provided throughout the year. Students begin researching occupational information for career decisions.

Advanced Manufacturing & Machining 1A & 1B
Students will begin learning shop safety with emphasis on machine safety. Students will learn to use machines and tooling to industry standards. Learning machining processes will be the focus of the classroom, along with hands-on machining throughout the year. Accurate layout and measurement procedures will be introduced and practiced while learning lathe, milling machine and drill press operations. Business systems will be used to evaluate effective business processes. No fees required.

Advanced Manufacturing & Machining 2A & 2B
This course will continue to build safe machining practices. Computer Numerical Control (CNC) will be the focus of classroom and lab work. Business practices will be reviewed during this time frame. The first semester consists of resume writing and safety certification with career choices and direction toward job placement as the classroom focus. Seniors will be eligible for placement in local machine shops the second semester. No fees required.

Manufacturing Capstone
This course provides opportunities for students to apply knowledge, attitudes and skills that were learned in the Manufacturing Technology and Advanced Manufacturing & Machining classes in a more comprehensive and authentic way. Students will have project/problem based learning opportunities that occur both in and away from school. Students will also learn the roles of several positions in the manufacturing sector.

Introduction to Public Safety
This course is for sophomore students who are interested in Law and Public Safety. This introductory course introduces students to the foundational concepts of firefighting safety and emergency medical services. Students will analyze and practice skills outlined in the Ohio Department of Public Safety Fire protection and Ohio Emergency Medical Services rules and regulations in preparation for the Firefighter I & II curriculum and EMT licensure. No fees required.

Public Safety 1
This course will be offered to junior students in good standing. Students will explore the Criminal Justice pathway, the history, organization, and functions of local, state, and federal law enforcement. Students will learn criminal behavior and apply constitutional and criminal law to crime and punishment. Law enforcement terminology, classifications, and elements of crime, and how court systems are used to judge and punish offenders will be explored. Students will learn self-defense and subject control techniques, methods to conduct patrols, surveillance, and traffic procedures. Students will understand the ethical and legal responsibilities of police officers on patrol. Additionally, students will learn the operations of police and emergency telecommunication systems. Students will test and can earn National Incident Mgmt 100 and National Incident Mgmt 700 industry credentials. No fees required.

Public Safety 2
This course is for senior students, who have completed Public Safety 1 their junior year. In this course, students will learn institutional rehabilitation and community corrections strategies that prepare them for work in a correctional setting. The student will learn the role and responsibilities of a correctional officer including processing inmates, maintaining security in a correctional setting, and understanding inmate mental health needs. In the second half of the year, students apply knowledge, attitudes, and skills that were learned in Law and Public Safety in a more comprehensive, authentic way and may include an internship. Students will test and can earn National Incident Mgmt 800 and National Incident Mgmt 200 industry credentials. No fees required.

Residential Remodeling and Repair 1A & 1B
Students in this program will receive practical instruction and experience in residential remodeling and repair through construction activities and lab experience in plumbing, electrical, and carpentry. No fees required.

Residential Remodeling and Repair 2A & 2B
Students will receive more intensive instruction and experience in installing faucets, sinks, toilets, water supply lines, replacing switches and light fixtures, installing low voltage systems, remodeling kitchens and baths, installing cabinets, flooring, and drywall installation and repair. Students will learn construction/accounting mathematics for estimating costs on materials and labor, work ethics and customer service techniques. No fees required.

Transportation Technologies
This is an introductory course that explores various transportation pathways. Students will learn about the major roles and functions of the air and land systems through problem solving and critical thinking activities. Added emphasis will be introduced in the auto technology, auto collision, and aviation fields. Students will research occupational information for career decisions.

Introduction to Welding
This is an introductory welding and metal fabrication course which stresses theory and application in welding methods including oxyacetylene welding, brazing, cutting, and soldering. Instruction is also given on sheet metal layout and construction. No fees required.

Welding 1A & 1B
In this course emphasis is placed on safety as well as blueprint reading, properties of metal, metal identification, type and use of electrodes, welding rods, electrical principles and welding symbols. Students in Welding 1 are taught to use manual welding, cutting, and electrical arc welding processes to fabricate and join metal parts according to diagrams, blueprints, and specifications. Students will also learn all safety-related practices and techniques, including earning the OSHA 10 card.

Welding 2A & 2B
In this course students train and use manuals, specification charts in order to gain knowledge and understanding of the welding standards established by the American Welding Society. Training in the planning, layout, forming, joining and fabrication of various shapes in light and heavy gauge metal and pipe is provided. Students are exposed to the use of specialized hand tools, shears, forming and shaping machines, drill presses, and metal cutting saws. Inspection and testing processes as well as procedures are also demonstrated and explained. Students will perform outside work for customers. Students will test to earn the American Welding Society (AWS) and experience hands-on learning in the field through internship placements.

Career Portfolio: Students receive a Career Portfolio to present to prospective employers and/or college admission officers which showcases their skills, industry recognized credentials, job readiness seals and letters of recommendation from the superintendent, employers, and teachers.

Language Arts/English

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0500480	Advanced Placement English Language & Composition	1.0	Y	11-12	See Honors/AP criteria
S0500410	Advanced Placement English Literature & Composition	1.0	Y	12	See Honors/AP criteria
S0500430	Contemporary Literature	1.0	Y	12	Completion of English 1& 2, Eng 3 previously attempted
*S0500570	Debate 1	0.5	S	9-12	None
*S0500580	Debate 2	0.5	S	9-12	Debate 1
*S0500590	Dramatics 1	0.5	S	9-12	None
*S0500600	Dramatics 2	0.5	S	9-12	Dramatics 1
*S0500610	Dramatics 3	0.5	S	10-12	Dramatics 2
*S0500620	Dramatics 4	0.5	S	10-12	Dramatics 3
S0500100	English 1	1.0	Y	9	None
S0500110	English 1 Honors	1.0	Y	9	See Honors/AP criteria
S0500200	English 2	1.0	Y	10	1 Semester of English 1
S0500210	English 2 Honors	1.0	Y	10	See Honors/AP criteria
S0500300	English 3	1.0	Y	11	English 1 and 1 semester of English 2
S0500310	English 3 Honors	1.0	Y	11	English 1 &2; See Honors/AP criteria
S0500400	English 4	1.0	Y	12	Completion of English 1, 2, and English 3 previously attempted
*S0500500	Journalism 1	1.0	Y	9-12	None
*S0500510	Journalism 1	1.0	Y	10-12	Journalism 1
*S0500520	Journalism 1	1.0	Y	11-12	Journalism 2
*S0500540	Newspaper	1.0	Y	9-12	Permission of Instructor
*S0500630	OST English	.25	Q	10-12	None
*S0500550	Public Speaking 1	0.5	S	9-12	None
*S0500560	Public Speaking 2	0.5	S	9-12	Public Speaking 1
*S0500120	Reading Improvement 1	1.0	Y	9	None
*S0500220	Reading Improvement 2	1.0	Y	10	Reading Improvement 1

*S0500650	SAT Enrichment	0.5	S	10-12	ELA is one quarter, must be taken with Math for the other quarter for one semester total
S0500440	Senior Composition/Honors	1.0	Y	11-12	Completion of English 1, 2, 3 and minimum GPA of 3.0
S0500420	World Literature	1.0	Y	12	Completion of English 1, 2, and English 3 previously attempted
*S0500530	Yearbook	1.0	Y	9-12	Permission of Instructor

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
** Notes that course is not allowable as the 4th unit of English for graduation requirement*
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject the next school year or semester (whichever is applicable).

APEX courses cannot be used for NCAA eligibility/course requirements. This decision is a final ruling by the NCAA.

Advanced Placement English Language & Composition
The course engages students in becoming skilled readers of prose written in a variety of rhetorical con- texts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way genre conventions and the resources of language contribute to effectiveness in writing. This course introduces students to the literacy expectations of higher education by cultivating essential academic skills such as critical inquiry, deliberation, argument, listening, speaking, reading, and writing. Additionally, this course focuses students' attention on the functions of written language, asking students to practice reading as well as the writing of texts designed to inquire, to explain, to criticize and to persuade in a variety of rhetorical situations.

Advanced Placement English Literature and Composition
This course is designed for seniors who wish to complete a college level course which emphasizes perceptive reading and critical analysis of literature. The goal of this course is to take a mastery exam which may lead to college credit.

Contemporary Literature
This course will emphasize the reading of literature beginning with the post-World War Two era and continuing through the present day. It will enable students to gain insight into their own world and to recognize the influence of world forces around them. Composition is incorporated into this literature study.

Debate 1
This course trains the student in the systematic and logical habits of thinking, in the preparation of briefs, in argumentative speaking, and in refutation through frequent classroom speeches and debates. This course qualifies as an elective credit.

Debate 2
This course emphasizes continued training in the fundamentals of argumentative speaking, giving students the opportunity to participate in interscholastic competition. This course qualifies as an elective credit.

Dramatics 1
This course emphasizes the reading of one-act, full-length plays including the study of pantomime, basic acting, elementary production and directing, make-up and oral interpretation. This course qualifies as either elective or fine arts credit.

Dramatics 2
This course, while continuing to reinforce skills learned in Dramatics 1, emphasizes characterization, costuming, producing, and directing. This course qualifies as either elective or fine arts credit.

Dramatics 3
In this course students will learn the techniques of acting, body control, voice improvement, projection and rhythm, and be given the opportunity to participate in play productions, set construction, lighting, and sound effects. This course qualifies as either elective or fine arts credit.

Dramatics 4
This course emphasizes participating in full-length plays stressing set design, construction methods of staging, lighting, and sound effects. This course qualifies as either elective or fine arts credit.

English 1
This course includes the study of literature and composition with formal grammar presented as an outgrowth of oral discussion and composition. The literature anthology will be used as the core of the program. Supplemental plays and novels will also be used.

English 1 Honors
This course includes materials in the areas of literature, composition, grammar and presentation. Emphasis will be placed on evaluating complex text, evidence based writing, vocabulary development and making strategic use of technology in both research and presentations. While the literature anthology is to be used as the core of the course, other enrichment and extension materials will also be used. Emphasis will be placed on preparing students for AP courses and college/career readiness.

English 2
English 2 continues the exploration of literature, composition and grammar by placing greater emphasis on the development of interpretive skills by using oral discussions and composition. The literature anthology will be used as the core of the program. Supplemental plays and novels will also be used.

English 2 Honors
This course continues with an in-depth study of complex text, evidence based writing, conventions of the English Language and the art of presentation. Curriculum will indicate depth in rigor, accelerated pacing, complexity, challenges and creativity beyond the standard level course. Students focus on vocabulary enrichment, analyzing content rich writing and interrelated texts, conducting research and writing argument papers which cite a variety of different credible sources, and making strategic use of technology in both research and presentations. While the literature anthology is the core content, other enrichment and extension materials will be used. Emphasis will be placed on preparing students for AP courses and college/career readiness.

English 3
This course is devoted to the study of American literature with grammar and composition correlated to the literature program. Supplemental plays and novels will also be used.

English 3 Honors
Students in Honors English III will explore American literature more widely and deeply than average English III classes. Emphasis will be placed on evaluating complex texts, evidence based writing, vocabulary development and making strategic use of technology in both research and presentations. Although the literature anthology will be used, more challenging and complex print and non-print will also be used to generate thought provoking discussions, research and analysis. Emphasis will be placed on preparing/enrolling students in advanced placement courses and passing mastery exams.

English 4
This is a course in British and World Literature which correlates grammar and composition to the literature program.

Journalism 1
This course offers instruction and laboratory work in writing news, features, editorials, columns, and sports articles. Included is the study of history, practices, and the ethics of journalism. This course qualifies as an elective credit. No adopted textbook.

Journalism 2
This course offers students the opportunity to write school newspaper articles, conduct interviews, do research work, write headlines, compose captions, conduct polls and surveys, and integrate artwork and writing. This course qualifies as an elective credit. No adopted textbook.

Journalism 3
This course stresses the production of the school newspaper with emphasis upon editing, page make-up, copy reading, proofreading, and business management skills. This course qualifies as an elective credit. No adopted textbook.

Newspaper

This course consists of actual staff work on the school newspaper and will enable students to write copy, edit, lay out pages, correct proofs, take pictures, and carry the publication to the production stage. This course qualifies as an elective credit.

OST – English
Focus on Standards in Preparation for the English End of Course Exams
This course will be offered to students who need to increase their graduation points of the Ohio State End of Course English I and/or English II exam(s). This course is aligned with Ohio's Learning Standards. It is developed to help students be successful on his/her next attempt on the test(s) and to obtain the necessary state required graduation points. Elective credit is earned the first time the student successfully passes the course. This course may be repeated to assist students in passing either the English I or English II OST; however, credit will be earned only the first time the student successfully takes and passes this class.

Public Speaking 1
This course emphasizes the fundamentals of public speaking and includes the organization of speech, the presentations of sufficient supporting details, and the importance of dealing with a variety of audiences. This course qualifies as an elective credit.

Public Speaking 2
This course will place major emphasis on the extemporaneous style of speaking with ample time allowing the students to tape and criticize his/her own work. This course qualifies as an elective credit.

Reading Improvement 1
This course stresses mastery of the skills necessary to pass the Ohio High School Graduation Test. This course qualifies as an elective credit.

Reading Improvement 2
This course provides the same instruction as Reading 1 for students in grades 10-12. This course qualifies as an elective credit.

SAT Enrichment
This course is intended for students in grades 10-12 who plan on pursuing post-secondary education. This course will provide test-taking strategies to improve overall performance on the Evidence-Based Reading and Writing portion of the SAT college entrance exam. This section of the SAT will ask you to analyze, synthesize and interpret data from a wide range of sources including informational graphics, as well as multi-paragraph passages in the areas of literature and literary nonfiction; the humanities; science; history and social studies; and work and career. Students will be required to take the SAT. This course is taken in conjunction with the Mathematics SAT enrichment course. . *This course is a Quarter long in length and must be taken with the Quarter long Mathematics SAT enrichment course for a total of one semester.* **This course DOES NOT count as an English Credit**

Senior Composition
This course emphasizes the study of writing distinctions among narrative, descriptive, expository, persuasive, and argumentative techniques. Grammar is incorporated as it relates to writing. Literature is integrated within the curriculum.

World Literature
This course gives students the opportunity to explore world literature for a better understanding of the universal problems man encounters. Composition is incorporated into this literature study.

Yearbook
This course consists of actual work on the yearbook and will emphasize writing copy, page make-up, photography. Students will carry the publication to the production stage. This course qualifies as an elective credit.

Marketing Technologies

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0477200	Employment Skills for Marketing	0.5	S	10	None
S0477300	Fashion Marketing 1A	1.0	S1	11	None
S0477310	Fashion Marketing 1B	1.0	S2	11	None
S0477301	Fashion Marketing 2A	1.0	S1	12	Fashion Marketing 1A & 1B
S0477311	Fashion Marketing 2B	1.0	S2	12	Fashion Marketing 1A & 1B
S0477100	Introduction to Marketing/Business	0.5	S	10	None
S0477302	Marketing Technology 1A	0.5	S1	11	None
S0477312	Marketing Technology 1B	0.5	S2	11	None
S0477303	Marketing Technology 2A	1.0	S1	12	Marketing Technology 1A & 1B
S0477313	Marketing Technology 2B	1.0	S2	12	Marketing Technology 1A & 1B
S0477451	Marketing Technology Work Experience	2.0	Y	12	Enrolled in Marketing Technology 2 or Fashion Marketing 2
High School of BUSINESS™ Program		**4.0**		**9-12**	***Interest in Business/Marketing***
B1477500	Business Application & Economics Block				
S1477500	Business Applications & Economics 1A	0.5	S	9	None
S1477510	Business Applications & Economics 1A	0.5	S	9	Business Applications & Economics 1A
B1477501	Business Administration Marketing Block				
S1477501	Business Administration Marketing 2A	0.5	S	10	None
S1477511	Business Administration Marketing 2B	0.5	S	10	Business Administration Marketing 2A
B1477502	Business Administration Finance Block				
S1477502	Business Administration Finance 3A	0.5	S	11	None
S1477512	Business Administration Finance 3B	0.5	S	11	Business Administration Finance 3A
B1477503	Business Administration Strategic Management Block				
S1477503	Bus. Administration Strategies Mgmt. 4A	0.5	S	12	None
S1477513	Bus. Administration Strategies Mgmt. 4A	0.5	S	12	Business Administration Management 4A

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.

Employment Skills for Marketing
This marketing foundations course is designed to develop a student's business, professional and social skills for a future career in a marketing occupation. This course will help the student identify marketing careers. Emphasis will be on communication skills, interpersonal skills and professional development. Students will develop a comprehensive career portfolio to market themselves to potential employers.

Introduction to Marketing
Introduction to Marketing is designed for sophomores who wish to pursue a career in the fastest growing segment of business in the world – marketing. Emphasis is placed on computer assisted instruction and business simulation to adequately prepare students for college or a career in marketing. This is the pathway course for Marketing.

Fashion Marketing 1A & 1B
Recommended: Introduction to Marketing and/or Employment Skills for Marketing
This program is designed for high school students who have career objectives and interests in the apparel and accessories industry. Instruction includes the study of marketing, merchandising, selling, sales promotion, customer relations, credit, merchandising, presentations, purchasing, marketing research, and management. Experience in operating the school store is an integral part of this program.

Fashion Marketing 2A & 2B
This senior program continues fashion instruction with emphasis on preparing students for employment positions in sales, fashion buying, management, and fashion coordination. Experience in operating the school store is an integral part of this program. There is opportunity for on the job training with Toledo area retail stores. Students are required to complete the work experience component of this course and will earn two credits for work experience.

Marketing Technology 1A & 1B
Recommended: Introduction to Marketing and/or Employment Skills for Marketing
This class prepares juniors for Marketing Technology 2. The objectives of this course are to provide students with an overview of the marketing process and the many careers available to graduates. Computer simulations and hands on experience in operating the school store are an integral part of this program. Students interested in pursuing merchandising or service careers upon graduation or a college degree program should consider enrolling in this preparatory program.

Marketing Technology 2A & 2B
The senior opportunity provides in-depth classroom instruction in the marketing process including basic economics, human relation, selling, math, communications, promotion, public relations, and entrepreneurship. Computer simulation and management of the school store complete the in-school segment of the program. Students are required to complete the work experience component of this course—2 credits are earned for work experience.

Marketing Technology Work Experience
This class has supervised on the job training in a cooperating Marketing Education related business. Training involves understanding employer training agreements, trainee job duties (training plans), employer-employee evaluations and researching occupational expectations of the chosen career.

DECA
DECA is an organization for students enrolled in Marketing Education. It is designed to promote a total program of activities which develop leadership, teamwork skills, and individual growth. DECA is the only national student organization operating in the nation's schools to attract young people to careers in marketing, finance, hospitality, management, and entrepreneurship. DECA offers Marketing Education students the opportunities that a civic or professional organization would offer a business person. Activities develop leadership ability, occupational skills, civic responsibility, and the social skills of the individual. DECA activities serve as a teaching tool, complementing, supplementing, and enhancing the marketing education curriculum.

- District Conferences
- Ohio DECA Fall Delegates and State Leadership Conferences
- International Career Development Conference
- Officer Elections and Chapter Installation
- Chapter Civic and Social Activities
- DECA Competitive Events
- Scholarship Opportunities

Mathematics

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1100165	Algebra Concepts	1.0	Y	9-12	None
S1100150	Algebra 1	1.0	Y	9-12	None
S1100620	Math Enrichment	1.0	Y	9	Must be taken concurrently with Algebra 1
S1100160	Algebra 1 Honors	1.0	Y	9	See Honors/AP criteria
S1100350	Algebra 2	1.0	Y	10-12	"C" or better in Algebra 1/Honors
S1100360	Algebra 2 Honors	1.0	Y	10-12	See Honors/AP criteria
S1100550	Advanced Placement Calculus	1.0	Y	12	"B" or better in Precalculus
S1100170	Applied Math				Offered at YTC only
S1100330	Functions and Trigonometry	1.0	Y	11	Completion of Algebra 1
S1100250	Geometry	1.0	Y	9-12	Completion of Algebra 1
S1100260	Geometry Honors	1.0	Y	9-10	See Honors/AP criteria
S1100510	Graphing Calculator	0.5	S	10-12	Algebra 1 & Geometry
*S1100310	OST Algebra 1	.25	Q	10-12	None
*S1100315	OST Geometry	.25	Q	10-12	None
S1100450	Pre-Calculus	1.0	Y	11-12	"C" or better in Algebra 2
S1100460	Pre-Calculus Honors	1.0	Y	11-12	"B" or better in Algebra 2 Honors
*S0500650	SAT Enrichment	0.5	S	10-12	Math is one quarter, must be taken with ELA for the other quarter for one semester total
S1100430	Statistics & Analysis	1.0	Y	11-12	Algebra 1, 2, and Geometry
S1100440	Statistics & Analysis Honors	1.0	Y	11-12	See Honors/AP criteria & Algebra 1, 2, and Geometry
S1100230	Transitional Geometry	2.0	Y	10-12	Completion of Algebra 1
S1100420	College and Career Math	1.0	Y	11-12	Completion of Algebra 1 and Geometry

Refer to table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
** Notes that course is not allowable as the 3rd/4th unit of mathematics for graduation requirements.*
Students earning high school credit in EHSO classes are eligible to enroll in the next level of the subject the next school year or semester (whichever is applicable)

APEX courses cannot be used for NCAA eligibility/course requirements. This decision is a final ruling by the NCAA.
Transitional Geometry counts as one credit for the NCAA.

Algebra Concepts ***This course does not count as a math credit for NCAA***
Successful completion of this course satisfies the Mathematics elective requirement.

Algebra 1
Algebra 1 includes the study of the following: operations with positive and negative numbers: equations involving transformations in one variable, proof of properties using axioms and definitions, multiplication and factorization of polynomials, operations with radicals, quadratic equations, linear equations containing two variables, inequalities and absolute value, properties of exponents, solving equations by factoring, rational algebraic expressions, division of polynomials, solving quadratic equations by completing the square and the quadratic formula. This course emphasizes the practical application of the above topics in stated (word) problems.

Math Enrichment ***must be taken with Algebra 1*** ***This course does not count as a math credit for NCAA***
The math enrichment course is designed to be taken concurrently with Algebra I. The course offers additional support to students, while strengthening basic math skills. Basic skills may include operations with integers, fractions, decimals, ratios, and proportions. Algebra support will be provided for the major topics of Algebra I, which include simplifying expressions, solving equations, and graphing functions that are linear, exponential, or quadratic. Support will also be provided for other mathematical topics as the students' needs arise. ***If this course is taken with Algebra 1 credit is awarded for both classes, fulfilling up to 2 math credits, one for Algebra 1 and one for a Math elective. If the course is not taken with Algebra 1 it does not count as a math elective credit.**

Algebra 1 Honors
Honors Algebra 1 is a one-year course covering the same material as a first year Algebra 1 course. However, due to the selection of very capable students, the material is covered in greater depth. Successful completion of the course with at least a "B" is necessary for admission to the Honors Geometry course.

Algebra 2
Algebra 2 completes the study of Algebra on a higher level.

Algebra 2 Honors
Honors Algebra 2 is a rigorous one-year course for mathematically talented students. This course will cover the same topics as Algebra 2, but in greater depth and intensity.

Advanced Placement Calculus
Calculus is the introduction and development of the differential and integral calculus functions of one variable. Course includes the study of derivatives, techniques for finding derivatives, simple curve stretching, solution and maxima and minima problems, and the determination of velocity and acceleration.

Functions and Trigonometry **This course is the equivalent of Algebra 2**
This course will build upon Algebra 1 and Geometry. It is designed for juniors not enrolled in Algebra 2. This course will focus on various types of functions such as quadratic, polynomial, exponential, logarithmic, rational, and trigonometric functions. The following topics will be included in this class: solving and graphing different types of functions, finding the zeros (real and complex) of functions, transformations of functions, identifying key features of various graphs and interpreting them in contextual situations and radian measures and the unit circle. Students will take the Algebra 2 end of course test following completion of the class.

Geometry
This course will include the study of points, lines, planes, angles, congruent triangles and their properties, circles, areas of plane figures, volume and surface area, coordinate geometry, and trigonometry.

Geometry Honors
Honors geometry is for mathematically talented students. This course will cover the same topics listed under geometry, but in greater depth and intensity.

Graphing Calculator
The goal of this elective course is to help students achieve a level of competence in using a graphing calculator. Students will be able to use the built in functions of the graphing calculator, as well as tables and graphs, to further investigate functions including maximums, minimums, intersections and slopes.

College and Career Mathematics
This course will focus on the core math concepts that will prepare students for college math and or careers in which math skills are needed to be successful.

SAT Enrichment
This course is intended for students in grades 10-12 who plan on pursuing post-secondary education. This course will provide test-taking strategies to improve overall performance on the Math section of the SAT college entrance exam. The Math section of the SAT focuses in depth on three essential areas of math: problem solving and data analysis, Heart of Algebra, and Passport to Advanced Math. Students will be required to take the SAT. ***This course is a Quarter long in length and must be taken with the Quarter long English Language Arts SAT enrichment course for a total of one semester.*** ****This course DOES NOT count as a Math Credit****

OST – Algebra 1
Focus on Standards in Preparation for the Algebra 1 End of Course Exam
This course will be offered to students who need to increase their graduation points of Ohio's State End of Course Algebra 1 exam. This course is aligned with Ohio's Learning Standards. It is developed to help students be successful on his/her next attempt on the test(s) and to obtain the necessary state required graduation points. Elective credit is earned the first time the student successfully passes the course. This course may be repeated to assist students in passing the Algebra 1 OST; however, credit will be earned only the first time the student successfully takes and passes this class. ****This course DOES NOT count as a Math Credit****

OST – Geometry
Focus on Standards in Preparation for the Geometry End of Course Exam
This course will be offered to students who need to increase their graduation points of Ohio's State End of Course Geometry exam. This course is aligned with Ohio's Learning Standards. It is developed to help students be successful on his/her next attempt on the test(s) and to obtain the necessary state required graduation points. Elective credit is earned the first time the student successfully passes the course. This course may be repeated to assist students in passing the Geometry OST; however, credit will be earned only the first time the student successfully takes and passes this class. ****This course DOES NOT count as a Math Credit****

Pre-Calculus
Pre-Calculus is a one-year course designed to prepare students for a first course in Calculus. This course includes trigonometry and analytic geometry, with an emphasis on statistics and functions. All students registering for this course are required to use a graphing calculator.

Pre-Calculus Honors
Honors Pre-Calculus is a one-year course for students who have completed Honors Algebra 2 with a grade of "B" or better. This course will cover the same topics as Pre-Calculus but in greater depth and intensity.

Statistics and Analysis
Students will learn how to use various probability models to solve problems. They will learn statistical methods to analyze data. Students will be able to make accurate predictions using both the probability and statistical methods learned.

Statistics and Analysis Honors
Students will learn how to use various probability models to solve problems. They will learn statistical methods to analyze data. Students will be able to make accurate predictions using both the probability and statistical methods learned. Students will complete an honors project each quarter.

Transitional Geometry ***This course counts as 1 math credit for NCAA***
This course is designed for students who struggled in Algebra 1. While covering the traditional concepts of a geometry course (see Geometry course description) students will also work to reinforce skills from Algebra 1 and be introduced to skills needed for Algebra 2 or Functions and Trigonometry.

Medical and Health Technologies

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0777600	Medical Technology 1A Scott HS	1.0	S1	11	None
S0777610	Medical Technology 1B Scott HS	1.0	S2	11	1A & 1B must be taken in sequence
S0777602	Medical Technology 2A Scott HS	1.5	S1	12	Medical Technology 1A & 1B
S0777612	Medical Technology 2B Scott HS	1.5	S2	12	2A & 2B must be taken in sequence
S0777650	Medical Technology 1A Bowsher HS	1.0	S1	11	None
S0777660	Medical Technology 1A Bowsher HS	1.0	S2	11	1A & 1B must be taken in sequence
S0777652	Medical Technology 1A Bowsher HS	1.5	S1	12	Medical Technology 1A & 1B
S0777662	Medical Technology 1A Bowsher HS	1.5	S2	12	2A & 2B must be taken in sequence

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees

Medical Technology 1A & 1B **Location: Scott High School**
In this course students will work on building their medical terminology vocabulary as well as learn the appropriate abbreviations and symbols for anatomical, psychological and pathological classifications. Students will learn about and apply psychomotor skills needed to assist individuals in meeting basic human needs. Students will be taught how to take vital signs and infection control. At the end of this course, successful students will be able to sit for the State Tested Nursing Assistant test (STNA).

Medical Technology 2A & 2B **Location: Scott High School**
This course offers the first step to the Licensed Practical Nurse program. After completing this program students may continue on to the Toledo Public Schools LPN program to complete their license. During the course students will learn about pharmacology, phlebotomy, mental health nursing and acute care nursing. Nutrition and wellness will also be combined with the advanced patient care topics.

Medical Technology 1A & 1B **Location: Bowsher High School**
In this course students will work on building their medical terminology vocabulary as well as learn the appropriate abbreviations and symbols for anatomical, psychological and pathological classifications. Students will apply first aid skills principles and techniques needed to respond to choking, cardiopulmonary resuscitation and other life threatening emergencies. Emphasis will be placed on regulatory compliance, patient safety and medical intervention.

Medical Technology 2A & 2B **Location: Bowsher High School**
This course offers students the opportunity to learn and apply psychomotor skills needed to assist individuals in meeting basic human needs. Students will learn about infection control and how to take vital signs. Additionally, the students will learn about the opportunities available in the healthcare industry as well as fundamental skills in effective and safe patient care. After Medical Terminology I and II are completed successfully, students will be able to sit for the State Tested Nursing Assistant (STNA) exam.

Music

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1200115	Band Auxiliaries	0.5	S	9-12	Permission of Marching Band Instructor
S1200112	Band, Cadet	1.0	Y	9-12	Prior musical instrument training and permission of instructor
S1200114	Band, Jazz	1.0	Y	9-12	Permission of Instructor
S1200113	Band, Senior	1.0	Y	9-12	Permission of Instructor
S1200111	Band, Beginning	1.0	Y	9-12	None
S1200121	Choir	1.0	Y	9-12	Permission of Instructor
S1200122	Choir, Mixed	1.0	Y	9-12	None
S1200123	Choir, Soprano Alto	1.0	Y	9-12	None
S1200124	Choir, Tenor Bass	1.0	Y	9-12	None
S1200180	Dance 1	0.5	S	9-12	Enrolled in music course
S1200190	Dance 2	0.5	S	9-12	Dance 1
S1200151	Guitar	1.0	Y	9-12	None
S1200143	Instrumental Ensemble	1.0	Y	9-12	Permission of Instructor
S1200144	Instrumental Music Honors	1.0	Y	9-12	Permission of Instructor
S1200131	Music Appreciation	1.0	Y	9-12	None
S1200132	Music History	1.0	Y	9-12	None
S1200133	Music Theory	1.0	Y	9-12	Enrolled in performing ensemble or permission of instructor
S1200141	Orchestra, Cadet	1.0	Y	9-12	Prior musical instrument training and permission of instructor
S1200142	Orchestra, Senior	1.0	Y	9-12	Permission of instructor
S1200145	Piano 1	0.5	S	9-12	Permission of instructor
S1200200	Piano 2	0.5	S	9-12	Piano 1
S1200160	Production Technology 1	0.5	S	9-12	Permission of Instructor
S1200125	Vocal Ensemble	1.0	Y	9-12	Permission of Instructor
S1200126	Vocal Music Honors	1.0	Y	9-12	Permission of Instructor

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees

Students earning high school credit in EHSO classes are eligible to enroll in the next level of the subject the next school year or semester (whichever is applicable).

Band Auxiliaries
This course is for the student who wants to participate in marching band as a majorette or member of a flag corps or dance line, etc. It is taught concurrently with marching band. Playing an instrument is not required. Students will learn baton, flag, and dance routines to perform with the marching band. ***After school rehearsals and performances can and will be required.*** Fee: *$10.00. Fees subject to change.

Band, Cadet
Training in ensemble playing includes emphasis on intonation, general musicianship and performance, reading, and preparation of varied band literature. Organizations and drilling procedures for a marching band may be included. ***After school rehearsals and performances can and will be required.*** Fee *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Band, Jazz
This is a performing group which works in the area of popular and modern jazz music. ***After school rehearsals and performances can and will be required.*** Fee: *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Band, Senior
The development of individual skills in performance on an instrument, together with the study of intonation, blend, sight reading, and general musicianship are concepts that are included in the course. The advanced band reads and prepares a wide range of musical selections representing different styles and composers. Individual players may be asked to participate in small ensembles. Organizations and drilling procedures for marching band may be included. ***After school rehearsals and performances can and will be required.*** Fee *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Band, Beginning
This class is designed to give any student the opportunity to learn to play a band instrument. Students choosing this course may have limited experience, but must be interested in music. If possible, an instrument should be acquired by the student. ***After school rehearsals and performances can and will be required.*** Fee: *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Choir
This mixed voice group is selected by the director. The group sings and interprets some of the finest music in choral literature. Performances are common and at a high level of musical experience***. After school rehearsals and performances can and will be required.***

Chorus Mixed
The course is designed for young high school students interested in experiencing four-part mixed singing. It is basically a training group for the more advanced choruses. Attention is given to tone, quality, diction, blending, sight singing, interpretation and general appreciation. Performances are limited. ***After school rehearsals and performances can and will be required.***

Chorus, Soprano, Alto
This is the counterpart to Mixed Chorus, Mixed for soprano, alto only.
After school rehearsals and performances can and will be required.

Chorus, Tenor, Bass
This is a counterpart to Mixed Chorus Mixed for tenor, bass only.
After school rehearsals and performances can and will be required.

Dance 1
This class is designed for serious students of music who wish to pursue the study of dance. This will be an introductory class for students to sample a variety of styles which may include ballet, tap, jazz, cultural dances and more. Vocabulary of dance steps will be learned and demonstrated. ***After school rehearsals and performances can and will be required.***
Fee: Uniforms (same as Physical Education)

Dance 2
This class is designed for serious students of music who wish to continue their study of dance. Dance 2 is a continuation of Dance 1. This will be a second level class for students to continue to learn a variety of styles which may include ballet, modern, jazz, cultural dances and more. Vocabulary of dance steps will be learned and demonstrated. ***After school rehearsals and performances can and will be required.*** **Fee**: Uniforms (same as Physical Education)

Guitar
This class is designed for the beginning guitar student and covers the basics of strumming and chording. Fee: *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Instrumental Ensemble
This course is for the advanced instrumental student who indicates a desire for a more in depth association with instrumental music. These groups may include trios, quartets, quintets, and small ensembles. ***After school rehearsals and performances can and will be required.*** Fee: *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Instrumental Music, Honors
This course is designed for the advanced instrumental music student. Students may enroll in this class instead of Senior Band or Senior Orchestra. It requires extra performances and participation in the Ohio Music Education Association Solo and Ensemble contests as a part of an ensemble. Students will work with the instructor and rigorously study and perform ensemble music in addition to their regular band and orchestra work. Application to area honor groups and/or projects may be required. Fee: *$10.00; Instrument Rental Fee: $20.00. Fees subject to change. Students may also be required to pay contest entry fees.

Music Appreciation
This course is designed to give the non-music major a basic introduction to the history and styles of music.

Music History
This course is designed to give the **serious** student of music the basic fundamentals of history and styles of music. This course is necessary for students considering music as a college major.

Music Theory
This course is designed to give the **serious** student of music the basic fundamentals in music theory including ear training, scales, intervals, chords, and elementary harmonization. This course is necessary for students considering music as a college major.

Orchestra, Cadet
Open to any string player desiring basic instruction in ensemble playing. Performances are limited. Emphasis is on the development of the string section in the orchestra covering problems in musicianship, intonation, bowing, position, etc. ***After school rehearsals and performances can and will be required.*** Fee: $10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Orchestra, Senior
This advanced group features the reading, preparation and performance of the best orchestral music for high school students. Special attention is given to balance, blend, bowing position, intonation, musicianship and ensemble playing. It is open to orchestral wind and string players by approval of directors only. Individual players may be chosen to participate in small ensembles. ***After school rehearsals and performances can and will be required.*** Fee: *$10.00; Instrument Rental Fee: $20.00. Fees subject to change.

Piano 1
This class is designed for the serious student of music. The beginning piano keyboard class covers the basics of note reading for bass and treble clef, rhythm, chords and the combination of playing melody and chords together. Fee: Beginning piano book

Piano 2
This class is designed for the advanced piano student. Students will move beyond basic piano skills into two hand performances, complex rhythms, music theory, improvisation and basic accompaniment. Additionally, students will play a varied repertoire of music and demonstrate sight-reading skills. ***Students must complete Piano 1 or pass an audition to gain entrance into the class.*** **Fee**: Piano Book

Production Technology 1
This class is designed for the student to explore the behind-the-scenes aspects of theatre. The in-depth study of lighting, rigging and sound production will be explored. As part of the class students will work technology for the Fall Play and Spring Musical. Their expertise might also be requested for in-school activities. ***After school rehearsals and performances can and will be required.***

Vocal Ensemble
This course is designed for those advanced pupils who indicate the desire for more intimate association, with vocal scores and styles. These groups may include madrigals, swing choirs, trios, and both mixed or male or female voice quartets. ***After school rehearsals and performances can and will be required.***

Vocal Music, Honors
This course is designed for the advanced vocal music student. Students will enroll in this class instead of choir. It requires extra performances and participation in the Ohio Music Education Association Solo and Ensemble contest. Students will work with the Choral Instructor and rigorously study and perform vocal music in addition to their regular choral work. A written project is also required.

Students must provide such items as oil, reeds, and strings. Students in performing groups may also have to purchase and/or maintain uniforms or costumes. There is also an additional fee if the student chooses to participate in Toledo Youth Orchestra and Toledo Youth Jazz Ensemble.

Science

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1300230	Advanced Placement Biology	1.0	Y	10-12	"B" or better in Biology 1/See AP criteria
S1300710	Advanced Placement Environmental Science	1.0	Y	11-12	"B" or better in Algebra 1, Biology 1 & Physical Science
S1300580	Anatomy & Physiology	1.0	Y	11-12	"C-" or better Completed Biology 1 & Physical Science
S1300590	Anatomy & Physiology Honors	1.0	Y	11-12	"B" or better in Biology 1/See Honor/AP criteria & completed Physical Science
S1300680	Anatomy & Physiology 2	1.0	Y	12	Anatomy & Physiology 1 (not NCAA approved)
S1300560	Astronomy 1	1.0	Y	10-12	"C-"or better Bio 1; may be taken concurrently with Bio 1 with teacher recommendation
S1300570	Astronomy 2	1.0	Y	11-12	"C-" or better in Astronomy 1
S1300200	Biology 1	1.0	Y	10-12	Physical Science
S1300210	Biology Honors	1.0	Y	10-12	"B" or better in Physical Science
S1300630	Biology 2	1.0	Y	11-12	Biology 1 and see course description
S1300670	Botany Honors	0.5	S	11-12	"B" in Biology I; see Honors/AP criteria
S1300510	Chemistry 1	1.0	Y	11-12	"C-" or better Algebra 1 & Physical Science
S1300520	Chemistry 1 Honors	1.0	Y	11-12	"B" or better Algebra 1 & Biology 1 and see Honors/AP criteria
S1300400	Chemistry 2 Honors	1.0	Y	12	"C" in Chemistry 1 Honors and see Honors/AP criteria
S1300620	Earth & Space Science	1.0	Y	11-12	"C-" or better in Biology 1
S1300600	Environmental Science	1.0	Y	11-12	"C-" or better in Biology 1
S1300500	Honors Scientific Research	1.0	Y	11-12	Two years of Science; See Honors/AP criteria
*S1300610	OST Biology	.25	Q	10-12	None
S1300100	Physical Science	1.0	Y	9	None
S1300110	Physical Science Honors	1.0	Y	9	See Honors/AP criteria
S1300540	Physics	1.0	Y	11-12	Algebra 1 and Geometry, "C-" or better in Physical Science & Biology 1
S1300550	Physics Honors	1.0	Y	11-12	Algebra 1 and Geometry, "B" or better in Physical Science & Biology 1; see Honors/AP criteria
S1300650	Zoology Honors	0.5	S	11-12	"B" in Biology I; see Honors/AP criteria

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.

Students earning high school credit in EHSO classes are eligible to enroll in the next level of the subject the next school year or semester (whichever is applicable).

Refer to TPS Board Policy JN regarding Student Fees. A $3.00 fee may be charged for safety goggles. An optional fee of $7.50 for "Science World" (Magazine) or $8.25 for "Current Science" (Magazine) may be charged.

** Notes that course is not allowable as the 3rd unit of science for graduation requirement*

APEX courses cannot be used for NCAA eligibility/course requirements. This decision is a final ruling by the NCAA

Advanced Placement Biology
This course is a college-level biology program. Students will investigate in-depth advanced biology topics in the classroom, laboratory and independently in order to prepare for the college-board exam administered in May. The rigor of this course requires that students do assignments outside of class time and apply their independent understanding and analytical reasoning skills to classroom discussions, small group discussions and laboratory experiences. Many assignments require Internet access. Students are to take the initiative in utilizing resources including the textbook, online textbook resources, class notes, class blog, and after school tutoring. Students will be engaged in laboratory investigations for at least 25% of the time they spend in class and will complete a minimum of eight inquiry-based investigations. This combination of content understanding and science practice skills will prepare students for more advanced science courses at the college level.

Advanced Placement Environmental Science
The goal of this course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course will provide students the opportunity to earn college credit by preparing them to take and score satisfactorily on the AP Environmental Science exam. This will be accomplished through a series of lectures, lab experiences, field experiences and journal reading and writing.
Lab Fee: $15.00-Fees subject to change.

Anatomy and Physiology
This is a general course in human anatomy and physiology for those students who want to extend their knowledge of the basic functions of the human body. The approach to this study is done system by system.
Lab Fee: $15.00 – Fees subject to change.

Anatomy and Physiology, Honors
This is a rigorous course in human anatomy and physiology that is especially useful to those students interested in careers in the medical or health fields.
Lab Fee: $15.00 – Fees subject to change.

Anatomy and Physiology 2
This is a rigorous course in human anatomy and physiology that is especially useful to those students interested in careers in the medical or health fields.
Lab fee: $15.00—Fees subject to change.

Astronomy 1
Students will experience the vast wonders of the universe. They will explore the birth, life, and death of stars. Scientific facts and theories will be combined with the students' creative development as they study space travel, extraterrestrial life possibilities, moon discovery, and planetary understanding. The students will probe and explore the universe through hands-on activities.
Lab Fee: $15.00 – Fees subject to change.

Astronomy 2
Astronomy 2 presents a more in-depth study of the astronomical universe.
Lab Fee: $15.00 – Fees subject to change.

Biology 1

Biology is the study of living things. This course deals with the fundamental principles of biology including what it means to be alive, the chemistry of life, cells, heredity and inheritance, origins of life, evolution and the diversity of life. This lab-based course is designed to prepare students for upper level science classes. Lab Fee: $15.00 – Fees subject to change.

Biology 1 Honors
Honors Biology is a rigorous biology course intended to prepare students for college and further education in science by including more detailed information in biology, chemistry, cellular biology, genetics, and evolution. This is a lab-based course emphasizing critical thinking skills and the development of biological theories and principles rather than practical applications.
Lab Fee: $15.00 – Fees subject to change.

Biology 2
This course is designed for the student who does not meet the criteria for higher level science courses. This course continues the study of biology, including the principles of ecology, evolution, diversity of life, and human biology.
Lab Fee: $15.00 – Fees subject to change.

Botany Honors
Honors Botany is a rigorous science course intended to prepare students for college education in the life science field. This course will provide detailed information on plant systems, including evolution, reproduction, plant divisions, responses and environmental importance.
Lab Fee: $15.00 – Fees subject to change

Chemistry 1
Chemistry is a laboratory oriented course emphasizing (1) basic principle of chemistry, (2) basic skills, such as the writing of formulae and equations, (3) familiarity with the more common elements and compounds, and (4) an understanding of how the science of chemistry advances. Requirement for Pre-nursing students.
Lab Fee: $15.00 – Fees subject to change.

Chemistry 1 Honors
This course will cover the same topics as general chemistry, but be a rigorous study intended to prepare students for college and further education in science. Students are required to complete a Science research project and may be asked to participate in a local Science fair.
Lab Fee: $15.00 – Fees subject to change.

Chemistry 2 Honors
This course is a continuation of Chemistry 1. It is a college level course for students who have successfully completed the first year of Chemistry.
Lab Fee: $15.00 – Fees subject to change.

Earth and Space Science
This course is for the student who is interested in geology and astronomy. Topics covered deal with rocks and minerals, earth shaping processes, geologic time, meteorology and an introduction to astronomy. Labs will be used to reinforce major concepts.
Lab Fee: $15.00 – Fees subject to change.

Environmental Science
This course involves the study of interrelationships between living organisms and the environments in which they live with a focus on human interaction. Topics include fundamental principles of ecology, populations, energy use including fossil fuels, nuclear energy, and alternative energy sources, pollution, and the ethics and politics of making decisions involving the environment. Students will employ problem solving and critical thinking skills to address their impacts and responsibilities regarding environmental issues.
Lab Fee: $15.00 – Fees subject to change.

Honors Scientific Research 1
Science Research is an intensive exploration of the scientific method as students conduct a research project of their own design. In addition, participants will learn the basics of the Internet and other primary informational resources including GIS, statistical analysis of data, critical thinking and problem solving skills, and presentations including PowerPoint. Students are required to present their research in a local science fair. Lab Fee: $15.00 – Fees subject to change.

OST – Biology
Focus on Standards in Preparation for the Biology End of Course Exam
This course will be offered to students who need to increase their graduation points of Ohio's State End of Course Biology exam. This course is aligned with Ohio's Learning Standards. It is developed to help students be successful on his/her next attempt on the test(s) and to obtain the necessary state required graduation points. Elective credit is earned the first time the student successfully passes the course. This course may be repeated to assist students in passing the Biology OST; however, credit will be earned only the first time the student successfully takes and passes this class. *This course does not count as a Science credit.
Lab fee: $15.00—Fees subject to change.

Physical Science
This course provides students with an understanding of matter and energy and their interactions in the natural world. Students will investigate the structure and properties of matter, chemical reactions and the conservation of matter, motion and forces causing motion, nature, transfer and conservation of energy. This course will provide students with a strong physical science background necessary for success in other secondary science courses.
Lab Fee: $15.00 – Fees subject to change.

Physical Science Honors
This is a lab course that places a greater emphasis on the development of problem solving and critical thinking skills. This course provides students with an understanding of matter and energy and their interactions in the natural world. Topics included are: investigation of the structure and properties of matter, chemical reactions and the conservation of matter, motion and forces causing motion, nature, transfer and conservation of energy. A great variety of student-oriented laboratory experiences and decision-making activities will be offered to the student.
Lab Fee: $15.00 – Fees subject to change.

Physics
This course is for the student who is interested in physics principles. Topics covered deal with energy and energy changes in mechanics, heat, light, electricity, and electronics. A qualitative approach is used with an emphasis on the development of critical thinking skills. Requirement for pre-nursing students.
Lab Fee: $15.00 – Fees subject to change.

Physics Honors
This course is for the mathematically advanced student. The topics are the same as those covered in general physics, but with a mathematical approach. It is essential for anyone interested in a career in engineering, medicine, or other science-related fields requiring a college education.
Lab Fee: $15.00 – Fees subject to change

Zoology Honors
Honors Zoology is a rigorous science course intended to prepare students for college education in the life science field. This course will provide detailed information on various animal systems including evolution and classification. This is a lab-oriented course emphasizing animal characteristics both anatomical and physiological.
Lab fee is $15.00 – Fees subject to change

Social Studies

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S1500510	African American Studies	0.5	S	11-12	None
S1500500	American Government	0.5	S	11-12	None
S1500200	American Studies	1.0	Y	10	None
S1500210	American Studies Honors	1.0	Y	10	See Honors/AP criteria
S1500400	Advanced Placement American Government & Politics	1.0	Y	10-12	See Honors/AP criteria
S1500715	Advanced Placement Comparative Government & Politics	1.0	Y	10-12	See Honors/AP criteria
S1500730	Advanced Placement Human Geography	1.0	Y	9-12	See Honors/AP criteria
S1500600	Advanced Placement European History	1.0	Y	10-12	See Honors/AP criteria
S1500690	Advanced Placement Psychology	1.0	Y	10-12	See Honors/AP criteria
S1500560	Advanced Placement United States History	1.0	Y	11-12	See Honors/AP criteria
S1500620	Contemporary History	0.5	S	11-12	None
S1500610	Economics	0.5	S	9-12	None
*S1500520	OST American Studies	.25	Q	11-12	None
*S1500525	OST American Government	.25	Q	11-12	None
S1500590	Psychology	0.5	S	11-12	None
S1500580	Sociology	0.5	S	11-12	None
S1500680	Sociology II	0.5	S	11-12	Sociology
S1500540	Social Studies Independent Study	1.0	Y	11-12	None
S1500670	World War II Honors	0.5	S	11-12	None
S1500530	World Geography	0.5	S	9-12	None
S1500100	World Studies	1.0	Y	9	None
S1500110	World Studies Honors	1.0	Y	9	See Honors/AP criteria

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
** Notes that course is not allowable as the 3rd unit of social studies for graduation requirements.*
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject the next school year or semester (whichever is applicable).

APEX courses cannot be used for NCAA eligibility/course requirements. This decision is a final ruling by the NCAA.

African-American Studies
This course provides high school students with a broad overview of the African-American experience. The major topics to be covered will include but are not limited to: the African political, social and economic background prior to European occupation of the continent; West African empires; African American images from the past to the present; genres of African American literature; the varied art forms of Africans and African Americans.

American Government
This course is a study of the principles of American democracy, the structure of our government, and understanding of our political system.

American Studies
The American Studies course traces the development of the United States from 1877 to the present. Students will consider the impact and influence that geography, culture, economics, and politics have had on American history.

American Studies Honors
The American Studies course traces the development of the United States from 1877 to the present. Students will consider the impact and influence that geography, culture, economics, and politics have had on American history. One or two out-of-class research projects per semester may be required.

Advanced Placement American Government and Politics
This is a college level course that provides the opportunity to earn college credit at most universities. This course provides an in-depth analysis of the American governmental system. Topics of study will include, but are not limited to, an examination of the political process, the relationship between public opinion and policy, and an exploration of the institutions of government.

Advanced Placement Comparative Government and Politics
AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

Advanced Placement Human Geography
The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. On successful completion of the course, the student should be able to; Interpret maps and analyze geospatial data, understand and explain the implications of associations and networks among phenomena in places, recognize and interpret the relationships among patterns and processes at different scales of analysis, define regions and evaluate the regionalization process, and characterize and analyze changing interconnections among places.

Advanced Placement European History
This is a college level course that provides the opportunity to earn college credit at most universities. This course begins with the late medieval period and extends to the rise of modern times. It stresses such important academic points as crucial analysis, historiography, multiple causation and cause and effect, as well as data gathering, research techniques and writing for effect.

Advanced Placement Psychology
This is a college level course that provides the opportunity to earn college credit at most universities. Psychology is the study of human behavior. “Why do we do what we do”. Students will understand one of the most complex systems, the brain, and how we use it to interact with our environment. Topics covered include history and approaches, research methods, biological bases of behavior, sensations and perceptions, states of consciousness, learning, motivation and emotion, cognition, developmental psychology, personality, testing and individual differences, social psychology, abnormal behavior and treatment of abnormal behavior.

Advanced Placement United States History

This is a college level course that provides the opportunity to earn college credit at most universities. The course traces our development from the pre-Columbian period to the present. Students will be focusing on political institutions and behavior; public policy; social and economic change; diplomacy and international relations; and cultural and intellectual developments.

Contemporary History
The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include: competing beliefs and goals; methods of engagements; and conflict and cooperation. Contemporary issues have political, economic, social, historic and geographic components. Approaches to addressing global and regional issues reflect historical influences and multiple perspectives. Students can impact global issues through service learning and senior projects.

Economics
This course is a study of basic economic theories and principles. The course covers such topics as banking, taxes (including income tax), insurance, advertising, consumer protection, budgeting, financial literacy and credit.

OST – American Studies
Focus on Standards in Preparation for the American Studies End of Course Exam
This course will be offered to students who need to increase their graduation points on Ohio's State End of Course American Studies exam. This course is aligned with Ohio's Learning Standards. It is developed to help students be successful on his/her next attempt on the test(s) and to obtain the necessary state required graduation points. Elective credit is earned the first time the student successfully passes the course. This course may be repeated to assist students in passing the American Studies OST; however, credit will be earned only the first time the student successfully takes and passes this class.
This course does not count as a Social Studies credit.

OST – American Government
Focus on Standards in Preparation for the American Government End of Course Exam
This course will be offered to students who need to increase their graduation points on Ohio's State End of Course American Government exam. This course is aligned with Ohio's Learning Standards. It is developed to help students be successful on his/her next attempt on the test(s) and to obtain the necessary state required graduation points. Elective credit is earned the first time the student successfully passes the course. This course may be repeated to assist students in passing the American Government OST; however, credit will be earned only the first time the student successfully takes and passes this class.
This course does not count as a Social Studies credit.

Psychology
This course gives the student an overview of the field of psychology by examining the major personality theories as well as how people learn and develop mentally.

Sociology
The course is designed to help the student understand the relationship between society and one's view of the world. Subjects covered are the family and its structure, race relations, public opinion, institutions, crime, and the structure of society.

Sociology II
This course is designed to help the student understand the relationship between society and one's view of the world. Among subjects covered are culture, poverty, discrimination, deviance, adolescence, adulthood and old age.

World Geography
This course is a study of physical and cultural geography with some emphasis on economic factors. The primary goal is to increase knowledge of geographic locations and the interaction between humans and their environment.

World Studies
This course guides students through a chronological study of world history from 1750 to present. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government.

World Studies, Honors

This course guides students through a chronological study of world history from 1750 to present. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. One or two out-of-class research projects per semester may be required.

World War II, Honors
The goal of this course is to give students the ability to understand the causes and conduct of World War II, and how the waging of the war, the societal changes resulting from the war, and the reordering of world power after the war, shaped today's world.

World Languages

Course #	Course Name	Units	Length	Grades	Prerequisites/Special Requirements
S0600150	American Sign Language 1	1.0	Y	9-12	None
S0600160	American Sign Language 2	1.0	Y	9-12	ASL 1
S0600170	American Sign Language 3	1.0	Y	10-12	ASL 2
S0600180	American Sign Language 4	1.0	Y	11-12	ASL 3
S0600200	Chinese 1	1.0	Y	8-12	None
S0600210	Chinese 2	1.0	Y	9-12	Chinese 1
S0600220	Chinese 3	1.0	Y	10-12	Chinese 2
S0600230	Chinese 3 Honors	1.0	Y	10-12	Chinese 2; see Honors/AP criteria
S0600240	Chinese 4	1.0	Y	11-12	Chinese 3
S0600250	Chinese 4 Honors	1.0	Y	11-12	Chinese 3; see Honors/AP criteria
*S0600260	Introduction to Chinese Culture	0.5	S	9-12	None
S0600300	French 1	1.0	Y	9-12	None
S0600310	French 2	1.0	Y	9-12	French 1
S0600320	French 3	1.0	Y	10-12	French 2
S0600330	French 3 Honors	1.0	Y	10-12	French 2; see Honors/AP criteria
S0600340	French 4	1.0	Y	11-12	French 3
S0600350	French 4 Honors	1.0	Y	11-12	French 3; see Honors/AP criteria
S0600360	French 5	1.0	Y	12	French 4
S0600370	French 5 Honors	1.0	Y	12	French 4; see Honors/AP criteria
S0600380	Advanced Placement French Language and Culture	1.0	Y	11-12	French 3 or 4/See Honors/AP criteria
S0600400	German 1	1.0	Y	9-12	None
S0600410	German 2	1.0	Y	9-12	German 1
S0600420	German 3	1.0	Y	10-12	German 2
S0600430	German 3 Honors	1.0	Y	10-12	German 2; see Honors/AP criteria
S0600440	German 4	1.0	Y	11-12	German 3
S0600450	German 4 Honors	1.0	Y	11-12	German 3; see Honors/AP criteria

S0600460	Advanced Placement German Language and Culture	1.0	Y	11-12	German 3; see Honors/AP criteria
*S0600510	Greek Mythology	0.5	S	9-12	None
S0600550	Japanese 1	1.0	Y	9-12	None
S0600560	Japanese 2	1.0	Y	10-12	Japanese 1
S0600570	Japanese 3	1.0	Y	11-12	Japanese 2
S0600580	Japanese 3 Honors	1.0	Y	11-12	Japanese 2; see Honors/AP criteria
S0600590	Japanese 4	1.0	Y	12	Japanese 3
S0600600	Japanese 4 Honors	1.0	Y	12	Japanese 3; see Honors/AP criteria
*S0600605	Japanese Culture	0.5	S	9-12	None
S0600610	Latin 1	1.0	Y	9-12	None
S0600620	Latin 2	1.0	Y	10-12	Latin 1
S0600630	Latin 3	1.0	Y	11-12	Latin 2
S0600640	Latin 3 Honors	1.0	Y	11-12	Latin 2; see Honors/AP criteria
S0600650	Latin 4	1.0	Y	12	Latin 3
S0600660	Latin 4 Honors	1.0	Y	12	Latin 3; see Honors/AP criteria
S0600740	Russian 1	1.0	Y	9-12	None
S0600750	Russian 2	1.0	Y	9-12	Russian 1
S0600760	Russian 3	1.0	Y	10-12	Russian 2
S0600770	Russian 3 Honors	1.0	Y	10-12	Russsian 2; see Honors/AP criteria
S0600780	Russian 4	1.0	Y	11-12	Russian 3
S0600790	Russian 4 Honors	1.0	Y	11-12	Russian 3; see Honors/AP criteria
S0600800	Russian 5	1.0	Y	12	Russian 4; see Honors/AP criteria
S0600810	Spanish 1	1.0	Y	9-12	None
S0600820	Spanish 2	1.0	Y	9-12	Spanish 1
S0600830	Spanish 3	1.0	Y	10-12	Spanish 2
S0600840	Spanish 3 Honors	1.0	Y	10-12	Spanish 2; see Honors/AP criteria
S0600850	Spanish 4	1.0	Y	11-12	Spanish 3
S0600860	Spanish 4 Honors	1.0	Y	11-12	Spanish 3; See Honors/AP criteria
S0600870	Advanced Placement Spanish Language and Culture	1.0	Y	11-12	Spanish 3 or 4; See Honors/AP criteria

S0600880	Spanish 5	1.0	Y	12	Spanish 4
S0600890	Spanish 5 Honors	1.0	Y	12	Spanish 4; see Honors criteria
S0600895	Advanced Placement Spanish Literature and Culture	1.0	Y	12	Advanced Placement Spanish Language and Culture; see Honors/AP criteria
*S0600900	Hispanic Culture & Language	0.5	S	9-12	None
*S0600910	Foreign Language Option	varies	varies	9-12	None

Refer to the table above for course number, units, length, grades, and prerequisites and/or special requirements.
Refer to TPS Board Policy JN regarding Student Fees
**Note that the course is not allowable as a Foreign Language unit. It will fulfill elective credit requirements.*
Students earning high school credit in EHSO classes are eligible to enroll
in the next level of the subject the next school year or semester (whichever is applicable).
APEX courses cannot be used for NCAA eligibility/course requirements. This decision is a final ruling by the NCAA.

Prerequisites
The World Languages Department promotes the philosophy that all children can learn. To that end, the department believes that if a child is capable of learning his/her first language, he/she can acquire a second language. Acquisition of a second language, however, requires a firm foundation. Therefore, if a student is unsuccessful in the first semester of Level 1, it is strongly recommended not to continue with the second semester, as the second semester builds on the first. If the student is unsuccessful in the second semester only, she/he may retake that semester in summer school.

As a prerequisite for entering the second, third, or fourth level of a foreign language, the student must successfully complete the previous level with a "C" or better. Levels 3 and 4 are offered either as a regular or an honors course. If offered as an honors course, grades are accordingly weighted to indicate the added requirements of the honors component of the course.

Modern World Languages Honors Requirements
Acceptance into an Honors/AP course is to be consistent with the criteria for placement in senior high honors/advanced placement courses. See page 5.

Students who wish to receive Honors 3 Honors 4 or Honors 5 credit in a Modern Foreign Language within the regular 3,4 or 5 class must meet the Honors/AP Placement criteria and complete the following minimum requirements:

- Give one additional oral presentation each semester.
- Write one additional composition each semester.
- Read one additional literary work each semester. The teacher will make the selection of the author and the literary work.
- Give one additional cultural presentation per year.

American Sign Language 1
American Sign Language is a course designed to provide basic instruction in sign communication, i.e. manual gestures, together with bodily and facial cues, which have meaning, and are ordered according to their own syntactical rules. The course will include a functional vocabulary, broadened experience with non-verbal communication of the visual modality, and basic rules for constructing sentences and modifying signs to extend their usage. The ASL 1 will also include an introduction to deafness and its consequences as well as a more aesthetic investigation into the lives, productivity and culture of the deaf community. Fee: $29.95 – Fees subject to change.

American Sign Language 2
The second year of ASL will focus on receptive abilities, accuracy of production, grammatical aspects topics, and conversational, and performance skills. Dialogues and actual contact with deaf people will provide for heightened expressive and receptive skills. The second year will also broaden the knowledge of deafness in the areas of psychological development, language acquisition, laws, advocacy and career options. Fee: $25.10 – Fees subject to change.

American Sign Language 3
Students will increase receptive and expressive use of American Sign Language. Students will increase knowledge and sensitivity to Deaf culture. Students will be introduced to the basic interpreting skills needed for future careers in sign language. Fee: $20 – Fees subject to change.

American Sign Language 4
Students will continue to increase the receptive and expressive use of American Sign Language. Students will increase their knowledge and sensitivity to Deaf culture. Students will continue learning interpreting skills needed for future careers in ASL. Fee: $20 –Fee subject to change.

Chinese 1
Students concentrate on listening and speaking skills. They memorize 40 basic sentence patterns and 400 words. 100 Chinese characters are taught; students are introduced to Mandarin phonetics and a Romanized system of writing. Culture is discussed every day. Fee: 28.60—Fee subject to change.

Chinese 2
Approximately 200 Chinese characters are introduced. Students will increase their knowledge of grammar to about 60 basic sentence patterns and 600 vocabulary words which focus on Language, culture and daily situations. Fee: $26.40—Fee subject to change.

Chinese 3
Reading is the major activity and skill to be developed this year. Students will master 300 characters. The emphasis in writing will be on paragraph construction rather than on sentence structure. Chinese history will be discussed with special emphasis on political and social developments from the Chou to the Ch'ing dynasty. Fee: $28.60—Fee subject to change.

Chinese 3 Honors
See Modern Foreign Language Honors requirements at the beginning of this section for additional requirements.
Fee: $28.60—Fee subject to change.

Chinese 4
Taught primarily in Chinese, students will improve their comprehension, speaking and reading skills with the use of current magazine and newspaper articles. 400 Chinese characters are introduced. Modern China and its relationship with America will be examined.

Chinese Culture
This course is designed for both EHSO and high school students as an elective course to introduce students to Chinese culture and to develop an interest in the further study of the Chinese language. Ancient and current culture will be studied. The class is intended for students in grades 9-12 who have not taken Chinese 1. Students will receive elective credit for this course.

Chinese 4 Honors
See Modern Foreign Language Honors requirements at the beginning of this section for additional requirements.

French 1
French 1 emphasizes learning to communicate in everyday situations in French. The basic skills of listening and reading comprehension, speaking, and writing are developed. The culture of French speaking countries will be explored, through text, videos, pictures, and the internet. Fee: $19.00 – Fees subject to change

French 2
This course continues the oral approach to French language acquisition with increasing emphasis on composition. Vocabulary study will be extended for use in reading and writing about everyday life in French speaking areas.
Fee: $20.22 – Fees subject to change

French 3
French 3 emphasizes reading comprehension, vocabulary building, grammar review, speaking activities, and writing. Students also enjoy cultural and historical activities. Art, literature, and drama are examined with a multimedia approach.
Fee: $18.42 – Fees subject to change

French 3 Honors
See Modern Foreign Language Honors requirements at the beginning of this section for additional requirements.
Fee: $18.42 – Fees subject to change

French 4
French 4 will introduce students to some of the great classics of French literature. Students will develop and improve the grammatical accuracy of their listening, speaking, reading, and writing skills. Classic French literature, culture and history, extended writing and speaking and activities are emphasized. Fee: $27.97 – Fees subject to change

French 4 Honors
See Modern Foreign Language Honors requirements at the beginning of this section. Fee: $27.97 – Fees subject to change

French 5
A goal for students at this level is to speak only in French. Assignments, independent as well as class, will focus on vocabulary building, complex grammar, exploration of literature and art, geography and history.

French 5 Honors
See Modern Foreign Language Honors requirements at the beginning of this section. Fee: $14.97 – Fees subject to change

Advanced Placement French Language and Culture
In this course, you will use authentic French materials and sources to develop your language skills in multiple modes of communication, including two-way interactions in writing and speaking, interpretation of audio, audiovisual, and print materials, and oral and written presentation of information and ideas. This course prepares the student for the Advanced Placement French Examination. All students are expected to take the AP exam.

German 1
Students will practice listening, speaking, reading, and writing in German. They will memorize vocabulary necessary to communicate in everyday situations. Grammar structures will be stressed. The geography and culture of the German speaking countries will be introduced. Fee: $14.00 – Fees subject to change

German 2
Students continue to develop communications skills via listening, speaking, reading, and writing German.
One paragraph compositions are introduced. Short stories will be read and discussed. Students will participate in cultural activities. Fee: $14.00 – Fees subject to change

German 3
The German 3 curriculum will stress independent reading, conversation and expanded composition writing. A new vocabulary, containing approximately 500-700 words, will include full development of word families. Grammar usage will be refined and cultural knowledge will be expanded. Fee: $15.00 – Fees subject to change. Magazine subscription: $7.75

German 3 Honors
See Modern Foreign Language Honors requirements at the beginning of this section.
Fee: $15.00 – Fees subject to change. Magazine subscription: $7.75

German 4
German 4 will stress literature, composition, and conversation. Compositions based upon literature will be intensive. Students will have the opportunity to participate in skits, plays or role playing to further develop communicative and creative skills. Fee: $26.96 – Fees subject to change. Magazine subscription: $7.75

German 4 Honors
See Modern Foreign Language Honors requirements at the beginning of this section. Fee: $26.96 – Fees subject to change. Magazine subscription: $7.75

Advanced Placement German Language and Culture
In this course, you will use authentic German materials and sources to develop your language skills in multiple modes of communication, including two-way interactions in writing and speaking, interpretation of audio, audiovisual, and print materials, and oral and written presentation of information and ideas. All students are expected to take the AP exam.
Fee: $26.96 – Fees subject to change; Magazine subscription: $7.75

Greek Mythology
Students enrolled in this course will experience echoes, allusions and symbols in literature, art, science, psychology, and popular culture as they pertain to Greek Mythology. The course content is covered in a variety of venues, including assigned readings, individual student reports, classroom discussion, lectures, plays, and Internet sites. Students will receive elective credit for this course.

Japanese 1
Students will practice listening to and speaking simple dialogues and basic sentence patterns. Vocabulary will focus on common everyday expressions. Students will learn to read and write Japanese characters. Culture and history are included. Fee: $6.40

Japanese 2
Students will continue to practice listening and speaking skills. Reading and writing will include hiragana, katakana and kanji characters. Japanese history and culture will be explored through films, reading, and crafts. Fee: $6.40

Japanese 3
Although the three types of Japanese characters (hiragana, katakana and kanji) will be practiced in reading and writing exercises, additional practice with the kanji characters will be given. Oral communication will continue to be emphasized. Fee: $6.40

Japanese 3 Honors
See Modern Foreign Language Honors requirements at the beginning of this section. Fee: $6.40

Japanese 4
Emphasis will be placed on the productive communication skills, speaking and writing. Students will be encouraged to use Japanese in all activities, i.e., class discussions, cultural presentations, and written work.

Japanese Culture
This course covers many aspects of both traditional and modern Japanese culture including geography, customs, politics, history, arts and more. The course provides authentic Japanese cultural experiences to students through the use of crafts, music, literature, and theater. The class is intended for students in grades 9-12 who have not taken Japanese 1. Students will receive elective credit for this course.

Japanese 4 Honors
See Modern Foreign Language Honors requirements at the beginning of this section.

Latin 1
Emphasis in Latin 1 will be on learning the grammatical and syntactical structures of the language. Students will be taught Latin words, phrases, abbreviations, quotations, and derivatives as they occur in English. The historical perspective to Latin will also be presented. Fee: $21.00 – Fees subject to change

Latin 2
Students will continue translating and developing proficiency in all areas of grammar through translations of selected texts and the work of Roman authors, historians, and myths. The historical-cultural value of Latin will continue to be explored.
Fee: $21.00 – Fees subject to change

Latin 3
Orations, letters and philosophical words of Cicero and Ovid will be studied. Medieval and modern Latin will be explored.

Latin 3 Honors
In addition to the works of Cicero and Ovid, selections from Pliny and Virgil will be read. A library research paper on some aspects of Latin prose will be completed.

Latin 4
Students will translate Books I, II, IV, and VI of Virgil's Aeneid. The remaining books will be read in English. Passages from poetry will be considered for the study of grammar and lexical questions, metrics, and figures of speech.

Latin 4 Honors
In addition to reading the four books of Virgil's Aeneid, a library research paper on Latin Poetry will be completed

Russian 1
Students spend much of their time listening to and speaking Russian. They will practice reading and writing the Cyrillic alphabet. Games, pictures, movies, and culture capsules will be used to explore the language and daily life of the Russian people. Fee: $15.57 – Fees subject to change

Russian 2
Workbooks, posters and audio tapes will assist students as they continue to practice listening, speaking, reading, and writing Russian. Geography and history will focus on Old Russia as well as current issues. Fee: $15.57 – Fees subject to change

Russian 3
Russian grammar is rather primitive when compared to other languages. Therefore, while students spend some time learning the finer points of grammar, they spend more time exploring the history, geography, and literature of the Commonwealth of Independent States. Fee: $32.95 – Fees subject to change

Russian 3 Honors
See Modern Foreign Language Honors requirements at the beginning of this section.

Russian 4
Students will be perfecting the language skills through creative activities designed to encourage self-expression in Russian. Current events are an active part of class discussions.

Russian 4 Honors
See Modern Foreign Language Honors requirements at the beginning of this section.

Spanish 1
The emphasis is to learn to communicate in Spanish regarding everyday topics. Listening, speaking, reading, and writing are practiced within a context of life in Spanish speaking countries. Fee: $28.44 – Fees subject to change

Spanish 2
Students develop skills acquired in Spanish 1 and broaden their vocabulary and knowledge of the structure of the language. Cultural activities expand the understanding of the lives of the Spanish-speaking people.
Fee: $28.44 – Fees subject to change

Spanish 3
Contemporary articles, short stories, travel vocabulary, audio-visuals, and a grammar review are used to further expand the student's communication skills and cultural understanding.
Fee: $28.44 – Fees subject to change

Spanish 3 Honors
See Modern Foreign Language Honors requirements at the beginning of this section. Fee: $28.44 – Fees subject to change

Spanish 4
Class discussions will focus on historical, cultural, and contemporary readings. Activities to practice oral and written communication will be studied. Fee: $7.75 – Fees subject to change

Spanish 4 Honors
See Modern Foreign Language Honors requirements at the beginning of this section. Fee: $7.75 – fees subject to change

Spanish 5
Class discussions will continue to center around historical, cultural, and contemporary readings. Activities to practice oral and written communication will be studied.

Spanish 5 Honors
A goal for students at this level is to speak only in Spanish. Assignments, independent as well as in class, will focus on vocabulary building, complex grammar, exploration of literature and art, geography, and history. Communication in Spanish through the Internet with exchange students and during field trips is expected. In addition, see Modern Foreign Language Honors requirements at the beginning of this section.

Advanced Placement Spanish Language and Culture
Use authentic materials and sources in Spanish to demonstrate your language proficiencies in multiple modes of communication, including Interpersonal Communication (two-way written interactions and conversations), Interpretive Communication, (interpretation of written, audio, and audiovisual materials), and Presentational Communication (oral and written presentations of information, opinions, and ideas). This course prepares the student for the Advanced Placement Spanish Language and Culture Examination. All Spanish AP students must take the AP exam.
Fee: $7.75 – Fees subject to change

Advanced Placement Spanish Literature and Culture
Advanced Placement Spanish Language and Culture is recommended to be taken prior to this course. Understand literary works within the contexts of both contemporary and historical cultures of the Spanish-speaking world through the inclusion of art, film and other authentic resources. This course prepares the student for the Advanced Placement Spanish Literature and Culture Examination. All Spanish AP students must take the AP exam.

Hispanic Culture and Language
Students will gain an understanding of the Hispanic culture and language by participating in hands-on projects involving art, music, dance, and basic Spanish language. The class is intended for students in grades 9-12 who have not taken Spanish 1. Students will receive elective credit for this course.

Foreign Language Options
Credit for extra projects completed and approved under the Educational Options policy will be awarded based on the type of project. Examples include student exchange programs with foreign countries, teacher-guided travel or summer foreign language camps.

Required Courses Checklist

Student **Date entered high school** **900#**

Directions: Enter ONLY the *SUCCESSFULLY* completed courses. This is not an entire list of courses taken in high school. It is to be used as a worksheet to track *completed graduation requirements including electives.* Enter the school year and semester completed for each credit.

Requirements	Credits Needed	Course Name	YR/Semester 1	YR/Semester 2
English 1	1.0			
English 2	1.0			
English 3	1.0			
English 4	1.0			
Algebra 1	1.0			
Geometry	1.0			
Algebra 2 or equivalent	1.0			
Math Elective	1.0			
Physical Science	1.0			
Biological Science	1.0			
Science Elective	1.0			
World Studies	1.0			
American Studies	1.0			
American Government	.5			
Social Studies Elective	.5			
Health	.5			
Physical Education 1	.25			
Physical Education 2	.25			
Economic/Financial Lit	.5			
Fine Arts	1.0			
		Minimum 4.5 Needed		
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			
Elective	.5/1.0			

State of Ohio Assessment & Preparedness Graduation Requirements Worksheet

In addition to satisfying the required coursework above, students in the classes of 2017 through 2023 and beyond will satisfy the following requirements: **Circle the box which indicates the date you first entered ninth grade.**

Classes of *2017 and prior* *Students entering grade nine on or before June 30, 2014*	**Classes of 2018 and 2019** *Students who entered grade nine between July 1, 2014 and June 30, 2016*	**Class of 2020** *Students who entered grade nine between July 1, 2016 and June 30, 2017*	**Classes of 2021 and 2022** *Students who entered grade nine between July 1, 2017 and June 30, 2019*	**Classes of 2023 and beyond** *Students entered grade nine between July 1, 2019 and June 30, 2020 and beyond*
▢ **Ohio Graduation Tests (OGT)** OR ▢ **OGT Alternative Pathway** OR ▢ **Three Pathways** OR ▢ **OGT Test Substitutions**	▢ **Three Pathways** _____Earned 10 graduation points on Ohio's State Tests _____Earned a remediation-free score on the ACT or SAT _____Scored Work Ready on the WorkKeys and earned a 12-point industry recognized credential. OR ▢ **Additional Graduation Options** OR ▢ **Permanent Requirements**	▢ **Three Pathways** OR ▢ **Modified Additional Graduation Options** OR ▢ **Permanent Requirements**	▢ **Three Pathways** OR ▢ **Permanent Requirements**	▢ **Permanent Requirements** *Demonstrate Competency:* ____Passed ELA II OST ____Passed Algebra 1 OST Students who have taken required tests more than once without passing and have received remedial support are able to show competency through one of the options below: ____Earn credit for one math and/or one English course through College Credit Plus; ____Demonstrate career readiness and technical skill through foundational and supporting options; ____Enter into a contract to enlist in the military upon graduation. *Preparation for College and Careers:* Earn 2 Diploma Seals Seal 1_____ Seal 2 _____