

Tecumseh High School



**Course Catalog
2019 / 2020**

Table of Contents

General Information

4 Year Plan Worksheet	3
Graduation Requirements	4
Selecting Your Courses	5
Honors Program	5
Pre-requisite	5
Schedule Change Policy	5
Auditing	5
Retaking a Course	5
Academic/Non-Academic	
Credit	6
Eligibility	6
Selecting Courses for College	
Acceptance	6
College Preparation in Ohio	6
Honors Diploma	7
Physical Education Waiver...	8-12



Course Descriptions

Aerospace Science	15-21
Agricultural Education	22-23
Art	24-26
Business	26-29
English	30-37
Family and Consumer Science	38-40
Foreign Language	41-42
Health & Physical Education	43-44
Industrial Technology	45-46
Mathematics	47-50
Music	51-52
Science	53-57
Social Studies	58-60

Springfield-Clark Career Technology Center

CTC Schedule Options	13
Apprenticeship Option	13
Academics	13
Credits	13
College Credit at CTC	13
Fees	13
Transportation	13
Extracurricular Activities	13
Graduation	14
Career Fields and Programs	14
Withdrawal - Transfer Policy	14

Additional Programs

Career Based Intervention	61
Moderate Resource Room	61
Mild Resource Room	61
GRADS	61
College Credit Plus	62

4 Year Plan Worksheet

This is a general guide to help plan your classes. It will vary depending on your graduating class. Refer to the Graduation Requirements on page 4 for specific detail.

Remember there are seven periods in a school day.

It is recommended that students take a study hall.

Only one study hall is allowed per semester.

Grade 9

Required	Credits
1. English	1.0
2. Math	1.0
3. Physical Science	1.0
4. World History	1.0
5. Health & Physical Education	.5

Grade 10

Required	Credits
1. English	1.0
2. Math	1.0
3. Biology	1.0
4. American History	1.0
5. Physical Education & Personal Finance	.5

Grade 11

Required	Credits
1. English	1.0
2. Math	1.0
3. Science	1.0
4. Government	1.0

Grade 12

Required	Credits
1. English	1.0
2. Math	1.0

Graduation Requirements

Course	Credits
English	4
Math	4
Social Studies	3
Science	3‡
Health	.5
Physical Education	.5•^
Personal Finance	.5+
Electives	5.5
Total Credits	21



Class of 2020 and beyond – must earn 18 points on the End of Course Exams as determined by the Ohio Department of Education. These courses are Math I/Algebra I, Math II/Geometry, Biology, American History and American Government.

To achieve the standing of
FRESHMAN - must successfully complete 8th grade
SOPHOMORE - must have 4.5 prior credits
JUNIOR - must have 11 prior credits
SENIOR - must have 16 prior credits

Remember that the stated requirements are to be considered the bare requirement for graduation. Most students graduate with more than the minimum number of credits.

NOTE:

‡1 unit of Biological Science and 1 unit of Physical Science are required for graduation.
 +This requirement will be met through the personal finance or personal financial management classes.
 •A student cannot be excused from the physical education requirement for medical reasons. A student who cannot for medical reasons participate in the regular physical education program must arrange to get his/her credit through an adaptive program.
 ^The physical education requirement may be met prior to the senior year by completing two seasons of a sport, marching band, cheerleading, or two years of ROTC. See PE Waiver for more information.
 Students may receive no more than 6 credits toward graduation from outside sources.
 I.E.-Correspondence, Summer School, etc

General Information

Selecting Your Courses

General Courses (G)

General courses are traditional in nature and are not generally advised for the college bound student.

Advanced Courses (A)

Advanced courses are designed to provide students with the background and skills necessary to pursue formal education beyond the high school level. Advanced courses usually deal with curriculum in greater depth.

Honors Program (H)

Honors courses are designed to provide eligible students with an academic setting similar to that which they will encounter at the college level. Students interested in taking these courses must file an application during the registration process. Students will be evaluated on their ability, achievement and projected success in the course. The exact selection criteria for each course are listed under the appropriate departmental sections in this catalog. There will be one section in AP courses and one or two sections, depending on the ability level of students, in all other honors courses. In addition, students who are enrolled in these courses and do not meet an acceptable level of success (grade of C) can be withdrawn from the course(s). These courses will carry weighted grades in the figuring of cumulative grade point average. Weighted grades are as follows: A=5.0, B=4.0, C=3.0, D=1.0, F=0.0.

The **Honors Program** will consist of the following courses:

Honors English 11, Chemistry Honors, Physics Honors, AP Calculus, AP English 12, & AP American Government

Students who complete AP courses and successfully pass the required College Board exams may be eligible for college credit in an institution of higher learning after high school graduation.

Pre - requisite:

(Pre-req) indicates the course(s) required beforehand.

When “**Pre-req**” doesn’t appear, no pre-requisite is required.

Schedule Change Policy

The last date for a student to change his/her course requests for the following school year is set as the last day of school. After that date, changes will only be made for extenuating circumstances as determined by the student's guidance counselor. To request a change or drop of a course after the deadline, the student must contact his/her guidance counselor. If the request is denied, the student has the right to appeal to the building principal. Requests not following this procedure will not be heard. After the fifteenth (15) school day, students who are allowed to drop a class will receive a withdraw failure (WF) for the semester in which the class is dropped.

Auditing

Auditing means taking a course without credit and without a grade being granted. A course may be audited with permission from the teacher, counselor, and parent. A student who is auditing a course must complete all course requirements. Failure to do so will result in removal from the course.

Retaking a Course

Students who have received a grade of “D” or lower in a required or college prep course may repeat that course without credit in order to improve their grade. Both grades will be averaged in computing the students’ grade point average.

Academic and Non-Academic Credit

Non-Academic courses include all the Physical Education courses and the Yearbook class. All other courses are academic. At least 17 credits out of the 21 required must be academic credits.

Non-Academic courses are not used in calculating GPA. **Courses taken off campus or in non-traditional settings, i.e.: night school, correspondence courses, or summer school will not be computed in grade point averages / class rank. All courses will appear on the student's high school transcript.**

Eligibility

For a student to be eligible to participate in a sport, cheerleading, marching band, plays, musicals, choir, ROTC Drill Team / Honor Guard, he / she must have passed five (5) one credit (or 2 one semester classes, 1 each semester with .5 credit) classes the previous grading period with a GPA of 1.3. A student is required to have five (5) 1 credit courses on his / her schedule. Two failing or incomplete grades will automatically render a student ineligible. It is strongly advised that a student have at least six (6) 1-credit courses on his/her schedule. Please check your schedule with your coach / advisor and your counselor. Physical education classes, the yearbook class, audited courses, correspondence classes, and summer school grades do not count toward eligibility.

ATHLETES AND MARCHING BAND MEMBERS:

Checking your course load is very important in maintaining your eligibility.

Selecting Courses for College Acceptance

Since most students are not sure what they will be doing after graduation from high school, it is wise to take the strongest high school program possible. The following is a suggested college preparation program for unconditional acceptance by Ohio colleges and universities. There may be some variation in the unconditional acceptance requirement among colleges; but, in general, the student should include 4 credits English, 4 credits college prep math, 3 credits science, 3 credits social studies, 2 credits foreign language, and 1 credit of a fine art.

Tecumseh courses that meet the fine arts requirement are all band and choir performance courses, music theory, theatre arts, and all art courses.

College Credit Plus courses can be taken to fulfill high school graduation requirements. It is important to remember that these courses are the beginning of a student's college transcript and college GPA and are also included in the high school GPA and listed on the high school transcript.

Course Load Requirement

A minimum of 5.5 credit classes per year is required. (Students may not have more than 1 study hall each semester. Any exceptions to this will need counselor/administrator approval.)

The Minimum Core for College preparation in Ohio*

English: 4 credits

Math: 4 credits

Science: 3 credits

Social Studies: 3 credits

Foreign Language: 2 credits

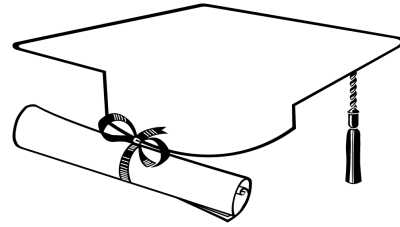
Fine Arts: 1 credit

*Some programs may require more extensive preparation in specific subject areas. Check with your guidance counselor and the university of your choice for additional information.



Honors Diploma

The student who meets seven of the following eight criteria will be awarded an Academic Honors Diploma:



- four units of English
- four units of mathematics including algebra I, geometry, and algebra II
- four units of science, including two units of advanced science
- four units of social studies
- either three units of one foreign language or two units each of two foreign languages
- one unit of fine arts
- maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year
- obtain a composite score of 27 on the American College Testing (ACT) tests or an equivalent composite score of 1280 on the Scholastic Achievement Test (SAT) with no regard for its new writing portion.

The CTC student who completes an intensive vocational or technical education curriculum in the high school that meets eleven of the following twelve criteria will be awarded a Career Tech Honors Diploma:

- four units of English
- four units of mathematics including algebra I, geometry, and algebra II
- four units of science, including two units of advanced science
- four units of social studies
- two units of a foreign languages
- four units of Career-Technical minimum. Program must lead to an industry-recognized credential, apprenticeship, or be part of an articulated career pathway, which can lead to post secondary credit.
- maintain an overall high school grade point average of at least a 3.5 on a 4.0 point scale up to the last grading period of the senior year
- achieve proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent
- obtain a composite score of 27 on the American College Testing (ACT) test or an equivalent composite score of 1280 on the Scholastic Achievement Test (SAT) with no regard for its new writing portion, or a score of 6 – Reading for Information & 6 – Applied Mathematics on the WorkKeys test
- Complete a field experience and document the experience in a portfolio specific to the student's area of focus
- Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.
- Earn an industry-recognized credential or achieve proficiency benchmark for the appropriate Ohio Career-Technical Competency Assessment or equivalent.

Physical Education Waiver

Physical education teaches students the importance and value of physically active lifestyles. There are a variety of benefits gained through physical education. Personal health, social skills, self-esteem, motor skills and knowledge base are areas that can be positively impacted. By using Physical Education Waivers, students can pursue alternative individual interests while meeting state and local curriculum standards.

In accordance with Senate Bill 311, students in grades 9-11 may be excused from the Physical Education (P.E.) requirement for graduation by receiving two (2) P.E. Waivers in any combination of district-sponsored interscholastic athletics, marching band, or cheerleading (per season) or AFJROTC (per year). Additionally, if the physical education requirement is waived, the student will be required to complete one half ($\frac{1}{2}$) unit of credit, consisting of at least 60 hours of instruction, in another course of study. All waivers must be earned at Tecumseh High School prior to the student entering their Senior year.

Should a student not complete the entire season for ANY reason, he/she must find an alternate way to satisfy his/her Physical Education requirement. This could include taking two (2) semesters of Physical Education courses. State law does not permit partial excuse from the Physical Education requirement. Participation in Tecumseh Local School athletics or qualifying activities prior to the fall season of the 2017-2018 school year does not apply. Furthermore, participation in extracurricular athletics or qualifying activities is a privilege, and not a right. This policy shall not in any way be construed as granting a student the "right" to participate in such district-sponsored activities. All Tecumseh Local School's Board of Education Policies, Rules, and Procedures, including the Student Code of Conduct continue to apply. In addition, any student participating in the Physical Education Waiver Policy shall be subject to any fees associated with the sport/activity including "Pay-to-Participate" fee, uniform cost, course/lab fee, etc.

Students who sustain an injury during the season may still qualify for the Physical Education Waiver based upon the recommendation of the coach/director/instructor and the Athletic Director/Building Principal. Documentation from a physician and/or athletic trainer may also be considered. The student would be expected to actively participate and make contributions to the team/group in spite of the injury.

Physical Education Waiver

Procedures for earning Physical Education Waiver:

1. Notification to the building principal and/or athletic director of the intention to earn a waiver.
 - Tecumseh High School will use the following due dates:
 - August 30th - Fall Sports, Marching Band, AFJROTC
 - November 30th - Winter Sports
 - March 30th - Spring Sports
2. Within two (2) weeks of the conclusion of the sport season or qualifying activity, the Physical Education Waiver Form must be filled out and returned to the Guidance Department.
 - It is the student's responsibility to ensure the Physical Education Waiver is filled out completely and accurately and submitted to their Guidance Counselor.
3. The Guidance Counselor will document the Physical Education Waiver to the student's official transcript after two (2) waivers have been earned and verified.

Note: The Ohio Graduation Requirements mandate participation for at least two (2) full seasons of a sport or qualifying activity in order to waive the Physical Education requirement. Participation in only one (1) full season CANNOT be combined with .25 credits of P.E. to meet the graduation requirement. Any student who has not fulfilled the Physical Education requirement prior to the beginning of his or her senior year will be scheduled into a P.E. class. Participation in an athletic team, cheerleading, marching band, or AFJROTC during their senior year will not qualify for the waiver without administrative approval.

The student may consult with their guidance counselor to ensure they are fulfilling ALL of the graduation requirements as outlined by the Ohio Department of Education and Tecumseh Local Schools.

Frequently Asked Questions

(<http://education.ohio.gov/Topics/Ohios-Learning-Standards/Physical-Education/Frequently-Asked-Questions-about-the-Physical-Educ>)

How much Physical Education is required?

Students are required to complete one-half unit of Physical Education for graduation. Both elective and traditional Physical Education courses require a minimum of 120 hours of course instruction to earn one-half unit of credit.

Can boards of education adopt policies to exempt students from Physical Education?

The board of education of each school district and the governing authority of each chartered nonpublic school may adopt a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band or cheerleading for at least two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years. If the board or authority adopts such a policy, the board or authority shall not require the student to complete any Physical Education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study.

Physical Education Waiver

If a student participates in interscholastic athletics, marching band, cheerleading or JROTC program before his or her district adopts the waiver policy, can those activities be applied?

No. Districts are not permitted to implement a retroactive policy. The two full seasons, or years for JROTC, and the additional one-half unit of credit (60 hours of instruction) must begin after the implementation date of the policy.

For Physical Education, may other activities (show choirs, non-school-sponsored athletics, etc.) that involve physical activity on the part of students be counted toward the two semesters of Physical Education? No. The statute specifically limits the participation to interscholastic athletics, marching band, cheerleading and JROTC. There is no authority granted to a board of education to include any additional participation.

Are there any other requirements students must meet beyond the two full seasons of participation in interscholastic athletics, marching band or cheerleading?

Yes. Excused students also must complete one-half unit in another curricular area. While one-half unit of Physical Education requires a minimum of 120 hours of instruction, one-half unit in all other curricular areas requires a minimum of 60 hours of instruction. For students who use a JROTC program to qualify for the Physical Education exemption, the credit received for that participation may be used to satisfy the requirement to complete one-half unit in another course of study. This one-half unit in another curricular area keeps the minimum number of credits required for graduation at 20.

For Physical Education, what is the impact of being “cut” or quitting?

The statute requires participation “for at least two full seasons.” The season during which a student was “cut” or quit the activity could not be used to meet the two-season requirement.

Can a district policy require more than the two seasons of participation in order to excuse the one-half unit of Physical Education required for graduation?

Yes. The language sets the minimum requirement for JROTC programs as “at least two years” while the other options must be “for at least two full seasons.” A board of education could require more than two full years or seasons. However, to meet the excuse from Physical Education, a board cannot require a student to complete an additional Physical Education course or require more than one-half unit in another course of study.

If a student participates in only one full season of an approved activity, can the student be excused from .25 units of Physical Education and thus have to take only .25 units of Physical Education to complete his or her Physical Education requirement under the Ohio Core?

No. The statute requires participation for at least two full seasons, or years for JROTC. There is no provision in the law that would permit any type of partial excuse.

If a student takes advantage of the P.E. waiver offered by his or her district, does the waiver transfer with the student if he or she moves to a district without P.E. waivers?

Students are subject to the graduation requirements of the district where they will graduate. In the case of a transfer student, the receiving district is not obligated to honor the P.E. waiver earned in the prior district. The district should count any non-P.E. credit the student earned as a condition for receiving the P.E. waiver while in the prior district, but the student will still need to earn the required P.E. credit as required by the new district. Districts may decide how non-P.E. credits apply to their graduation requirements.

Physical Education Waiver

Can a local board of education add more requirements to its Physical Education waiver policy?

Yes. The state establishes minimum curriculum requirements for graduation, but local boards of education may adopt additional requirements. Examples for the Physical Education waiver may include taking coursework from a specified list of courses or having a minimum grade point average to qualify. Regardless of the additional requirements a local board of education may impose, students must earn at least one-half credit (60 contact hours) in lieu of earning credit for Physical Education coursework under the policy.

Our school district has eliminated all sports and extra-curricular activities due to budgetary constraints. Can those students who have completed one season count that toward the P.E. waiver and only be required to take a single semester of P.E.?

No. The law is clear. Students must complete two full seasons or years to qualify for the waiver. If the local district eliminates those activities, students may be forced to schedule two years of Physical Education. They cannot mix and match to meet the requirement.

Our school district eliminated all outside student activities due to budgetary constraints. Can our band students qualify for the P.E. waiver if we practice marching during the band class that is part of the school day?

No. The waiver for marching band was based on the outside-of-class activities associated with marching band programs including but not limited to attending band camp, marching in parades, performing at school sponsored athletic events (pre-game, halftime, post-game shows, etc.), band contests and state-sponsored marching band competitions.

Can Physical Education be taught below grade nine for high school credit?

Yes. Two fundamental criteria must be met to provide credit-bearing instruction to students below grade nine. (1) The course must be taught by a high school licensed teacher. (2) The course of study must be recognized by the local Board of Education as comparable to (equivalent to or more rigorous than) the same course taught at the high school. Additionally, care must be taken to ensure that the students scheduled to enroll in such courses are appropriately ready to take a high school level course. Their selection should follow the same guidelines of the district acceleration policy as apply to any content area (e.g. students enrolled in Algebra I or first year world language courses for high school credit in grade 8). It would be inappropriate to assume that all 8th graders, for example, are age appropriate to take a high school level physical education class in the middle grades. Further, it would be inappropriate for school districts to offer Physical Education only at the middle grades (meeting the two criteria above) without offering the same course in high school. If it is only offered in middle school and not at the high school level, then it is a middle school course and should not generate credit toward graduation.

Tecumseh High School Physical Education Waiver

The Physical Education Waiver Form **MUST** be completed and returned to the Guidance Office within two (2) weeks of the final competition of sport/activity or end of year for the AFJROTC.

Student Name: _____ Grade: _____

School Year: 20____ - 20____

I am requesting an alternative Physical Education (P.E.) Credit Waiver for my participation in an APPROVED sport/activity at Tecumseh High School as outlined by the Ohio Department of Education and Tecumseh Local School District. I understand the following conditions apply:

1. Approval will be granted for sports/activity starting with the 2017-2018 school year.
2. The student **MUST** notify the building principal or athletic director at the beginning of the sport/activity to ensure accurate records can be maintained.
3. The student must successfully complete two (2) P.E. Waivers for an approved sport/activity **PRIOR** to the student's senior year. **Reminder:** State law does not permit P.E. credit and P.E. Waivers to be combined in order to meet graduation requirements.
4. A student **MUST** fully complete the entire season or activity commitment to be eligible for the Physical Education Waiver. Students who are unable to finish or miss any portion of the sport/activity due to injury, quitting, being removed for academic or behavioral issues, being "cut" from the sport/activity, etc. will not receive the waiver.
5. The ½ credit of Physical Education will need to be earned in another curricular area to meet the graduation requirements as mandated by the state of Ohio and Tecumseh Local.

P.E. Waiver Completion (Mark one) _____ **1st of 2** _____ **2nd of 2**

_____ Sport: _____ _____ Marching Band _____ AFJROTC

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

To be completed by school personnel.

I certify the student has fulfilled all of the requirements to earn one of the two required Physical Education Waivers in the sport/activity for a complete season or year.

Coach/Advisor/Instructor Signature Date: _____

Building Principal or Athletic Director Signature Date: _____

Guidance Counselor Signature Date Received: _____

SPRINGFIELD-CLARK CAREER TECHNOLOGY CENTER

Your Path to Success!

The primary goal of the Springfield-Clark CTC is to assist students in obtaining skills that will allow them to enter the job market or to pursue further training in colleges, universities or technical schools. The CTC offers a variety of programs that provide career-related training.

CTC Schedule Options

The CTC offers both full-day and half-day programs. Half-day programs allow students to attend the career center for half of the school day and complete academic classes at their associate school. Some associate high schools provide transportation to and from the career center for ½ day students.

Apprenticeship Option

Apprenticeships are available in virtually every career-related program offered at the career center. Apprentices are paid wages while participating employers teach them real-life work skills on the job site. Students attend academic and related classes at the career center and participate in co-op, work-site learning in coordination with the apprenticeship.

Academics

In addition to learning career-related skills students may also take English, Government, History, Math and Science courses. We offer both general and advanced academics like CCP English, CCP Anatomy & Physiology, Chemistry, Algebra II, Physics and Calculus. Academic courses teach concepts that are directly related to a student's technical program and fulfill requirements for graduation and college admission.

Credits

Students at the career center may earn up to sixteen credits toward graduation depending on the program in which they choose to enroll.

College Credit at CTC

CTC has articulation agreements with Clark State Community College, Northwestern College, Columbus State Community College, The Nashville Auto-Diesel College, and Sinclair Community College to just name a few. These articulation agreements allow students to earn college credit while attending the career center. Post-secondary options are available to students who qualify.

Fees

Students of local high schools may attend the career center tuition-free. However, depending on the program, students may be required to pay for tools, uniforms and a school fee. Scholarships, fee assistance and payment plans are available to student who qualifies financially.

Transportation

The Associate high school will bus students to and from the CTC. Students may choose to provide their own transportation.

Extra-curricular Activities at CTC

The CTC daily schedule allows students to participate in extra-curricular activities like sports, band, and cheerleading at their associate high school. In addition to participation in various activities available at the associate high school, CTC students may get involved in the following national student organizations, which help develop leadership skills:

BPA – Business Professionals of America

FCCLA – Family, Community & Career Leaders of America

H2O Club – Volunteer and Community Service Club

NHS – National Honor Society

SkillsUSA – The largest Career Technical Student Organization in the USA

Many of the clubs offer leadership opportunities and skill competitions that challenge students to compete for awards by mastering skills in their career technical program.

Graduation

Upon successful completion of the CTC program, state graduation tests and academic courses, CTC students will graduate and receive a high school diploma from their associate high school. CTC students will also attend the Convocation Ceremony that is held on the last day of school. Students who successfully complete their career technical program receive a certificate of completion and a Career Passport.

Springfield-Clark CTC Career Fields and Programs

Ag & Environmental Systems

Forestry and Park Management
Veterinary Science

Arts & Communication

Computer Graphic Arts

Career Exploration Programs

Career Based Intervention
Job Training
Project SEARCH

Construction Technologies

Carpentry
Electrical Trades
Heating & Air Technology

Education and Training

Early Childhood Education & Care

Engineering and Science Technologies

Engineering and Architectural Design

Health Science

Dental Assisting
Health Occupations

- Emergency Medical Technician
- Medical Assisting
- Nurse Assisting

Hospitality and Tourism

Culinary Arts
Hospitality & Tourism

Human Services

Cosmetology

Information Technology

Computer Programing & Game Design
Cyber Security & Computer Networking
Digital Media Design

Manufacturing Technologies

Applied Engineering & Manufacturing
Welding & Fabrication

Transportation Systems

Auto Body Collision Repair
Auto Services
Auto Technology

Withdrawal-Transfer Policy

If students who have been accepted at the CTC change their mind prior to June 1st the following steps should be completed in order to re-enroll at their local high school:

1. Notify the Associate Schools Coordinator at 325-7368 ext. 113 that they will **not** be attending the CTC.
2. Call the associate high school and schedule an appointment with their counselor to prepare a class schedule.

Students who do not withdraw from the CTC by June 1st may transfer back to their associate high school under the following guidelines:

1. Students are required to attend the CTC for a one-week trial period (five school days).
2. The final decision to return to the associate high school must be made before the tenth day of school at the CTC.
3. *After the tenth day of school students are obligated to complete the year at the CTC*

Aerospace Science

Air Force Junior ROTC

(AFJROTC)

AFJROTC is a combined history, science, civics, and leadership development course sponsored by the United States Air Force and the Tecumseh Local School system.

- AFJROTC's goal is to build better, more productive citizens and the emphasis of this program is on citizenship and leadership training.
- The students are also introduced to military customs and courtesies, citizenship, first aid, wellness, health and fitness, basic drill and ceremonies, effective communications, management, human relations and life after high school.
- Cadets participate in parades, summer leadership schools, drill team competitions, color and honor guards, military balls and honorary academic groups and will be given the opportunity to develop teamwork, self-discipline, and self-confidence.
- **This is not a military recruiting program.**
- **There is no military obligation for AFJROTC cadets.**
- Cadets are eligible to compete for USAF college scholarships which pay for tuition, books, fees, and allowances at a college or university of their choice that has a senior AFROTC Program.
- Cadets who complete two or more years of AFJROTC receive special considerations for enlistment in the military. Third and fourth year cadets are eligible for locally funded JROTC scholarships.
- All JROTC courses are open to students in grades 9-12 who are enrolled in Tecumseh AFJROTC and not enrolled in the Career Technical Center.
- All JROTC uniforms, books, and equipment are furnished to the student, cost free, by the U.S. Air Force. Some small accessories (ribbons, rank, etc.) for the uniform must be purchased by the student.
- Uniforms will be worn an average of once a week.
- Students will be required to meet higher standards of
 - **personal appearance
 - **personal conduct
 - **personal discipline
- The Presidential Physical Fitness Program (Wellness) is included in each course and is 20% of the total Junior ROTC grade. It is an exercise program focused upon individual base line improvements. The exercises develop all muscle groups. Individual waivers based on student physical limitations are acceptable.
- Each course listed below, consists of both an Aerospace Science portion (40% of grade) and a Leadership Education portion (40% of grade). Not all courses will be offered each year. Check with your guidance counselor for course availability.

Aerospace Science

Air Force Junior ROTC

851A Aerospace Science I

Grades 9-12

Elective

Year

1.0 Credit

-Fee: \$20.00 for yearly activities and JROTC T-shirt

-Will be offered in 2020-2021

Course: AS-100 Journey into Aviation History. This is the recommended first course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation, the development, modernization, and transformation of the Air Force, and a brief astronomical and space exploration history. It is interspersed with concise exercises to guide in the reinforcement of the materials. Many of the 72 hours dedicated to leadership studies relate directly to the academic subject matter. The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure, uniform wear, customs, courtesies, and other military traditions, health and wellness, fitness, individual self-control, and citizenship. Summer Leadership School (if offered) is available for AS I cadets after completion of AS I.

851B Aerospace Science I

Grades 9-12

Elective

Year

1.0 Credit

-Fee: \$20.00 for for yearly activities and JROTC T-shirt

-Will be offered in 2019-2020

Course: AS-200 Science of Flight: A Gateway to New Horizons. This course is designed much like the course above (AS-210) but it adds the dimension of complimenting materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. It acquaints the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with instruction on the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind on navigation courses. There is study on human physiology that includes the human circulatory system, the effects of acceleration and deceleration, and protective equipment. The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure, uniform wear, customs, courtesies, and other military traditions, health and wellness, fitness, individual self-control, and citizenship. Summer Leadership School (if offered) is available for AS I cadets after completion of AS I.

Aerospace Science

Air Force Junior ROTC

852A Aerospace Science II

Grades 10-12

Elective

Year

1.0 Credit

-Fee: \$10.00 for yearly activities and JROTC T-shirt

-Will be offered in 2020-2021

Course: AS-100 Journey into Aviation History. This second year JROTC course is designed much like the course above only adds the second year leadership (LE-200) subjects. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation, the development, modernization, and transformation of the Air Force, and a brief astronomical and space exploration history. It is interspersed with concise exercises to guide in the reinforcement of the materials. Many of the 72 hours dedicated to leadership studies relate directly to the academic subject matter. The Leadership LE-200 portion stresses communications skills and cadet corps activities. Emphasis is given to communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution; of corps projects and activities. Summer Leadership School (if offered) is available for AS II cadets after completion of AS II.

852B Aerospace Science II

Grades 10-12

Elective

Year

1.0 Credit

-Fee: \$10.00 for yearly activities and JROTC T-shirt

-Will be offered in 2019-2020

Course: AS-200 Science of Flight: A Gateway to New Horizons. This second year JROTC course is designed much like the course above (AS-210) but it adds the dimension of complimenting materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. It acquaints the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with instruction on the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind on navigation courses. There is study on human physiology that includes the human circulatory system, the effects of acceleration and deceleration, and protective equipment. The Leadership LE-200 portion stresses communications skills and cadet corps activities. Emphasis is given to communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution; of corps projects and activities. Summer Leadership School (if offered) is available for AS II cadets after completion of AS II.

Aerospace Science

Air Force Junior ROTC

853A Aerospace Science III

Grades 11-12

Elective

Year

1.0 Credit

-**Fee:** \$10.00 for yearly activities and JROTC T-shirt

-Will be offered in 2018-2019

Course: AS-300 Exploring Space: The High Frontier. This is a science course that includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and human experience in space. It also examines the latest advances in space technology, including robotics in space, and commercial uses of space. The Leadership Education portion of this course (**LE-400 Principles of Management**) concentrates on the physical applications of leadership, management, teamwork, goal setting, event planning, mentoring, record keeping, communications and other skills needed to run the Corps of Cadets. The cadets manage the entire corps during the fourth year. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills. Leadership Education 400 is a Principles of Management course, which is a guide to understanding the fundamentals of management. Throughout the text are many ethical dilemmas, case studies, and role-play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions. Summer Leadership School (if offered) is available for AS III cadets after completion of AS III.

Aerospace Science

Air Force Junior ROTC

853B Aerospace Science III

Grades 11-12

Elective

Year

1.0 Credit

-Fee: \$10.00 for yearly activities and JROTC T-shirt

-Will be offered in 2019-2020

Course: AS-220 Cultural Studies: An Introduction to Global Awareness. This is a customized course about the world's cultures. The course is specifically created for Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. The Leadership Education portion for this course will correspond to the normal progression of LE instruction based on the cadet's number of years in ROTC. The Leadership Education (**LE 300: Life Skills and Career Opportunities**) portion of this course helps students decide which path to take after high school. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Instruction is given on financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration are discussed. Apartment shopping, grocery shopping, preparing a resume, and the importance of good interviewing skills are presented. Summer Leadership School (if offered) is available for AS III cadets after completion of AS III.

Aerospace Science

Air Force Junior ROTC

854A Aerospace Science IV

Grades 11-12

Elective

Year

1.0 Credit

-**Fee:**\$10.00 for yearly activities and JROTC T-shirt

-Will be offered in 2020-2021

Course: AS-300 Exploring Space: The High Frontier. This is a science course that includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and human experience in space. It also examines the latest advances in space technology, including robotics in space, and commercial uses of space. The Leadership Education (fourth year) portion of this course (**LE-400 Principles of Management**) concentrates on the physical applications of leadership, management, teamwork, goal setting, event planning, mentoring, record keeping, communications and other skills needed to run the Corps of Cadets. The cadets manage the entire corps during the fourth year. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills. The course is a guide to understanding the fundamentals of management. Throughout the text are many ethical dilemmas, case studies, and role-play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions.

Aerospace Science

Air Force Junior ROTC

854B Aerospace Science IV

Grades 11-12

Elective

Year

1.0 Credit

-**Fee:** \$10.00 for yearly activities and JROTC T-shirt

-Will be offered in 2019-2020

Course: AS-220 Cultural Studies: An Introduction to Global Awareness. This is a customized course about the world's cultures. The course is specifically created for Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. The Leadership Education portion for this course will correspond to the normal progression of LE instruction based on the cadet's number of years in ROTC. The Leadership Education (**LE 300: Life Skills and Career Opportunities**) portion of this course helps students decide which path to take after high school. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Instruction is given on financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration are discussed. Apartment shopping, grocery shopping, preparing a resume, and the importance of good interviewing skills are presented.

Agriculture Education

For all Agriculture Education courses a crop or livestock Supervised Agricultural Experience (SAE) project is required. If this project is not carried out, the student will receive 1.0 maximum credit and will not continue in the Agriculture program the following year. If a student does not have a place to raise a crop or livestock project, the instructor will assist him/her in finding one. A student must have a crop or livestock project in order to receive 1.25 credits at the end of the school year. Appropriate projects must be given advanced approval by the instructor. A student who earns the full 1.25 credits for an agriculture course may register for the more advanced course the next school year.

601 Agriculture, Food and Natural Resources (AFNR)

Grades 9-12

Elective

Year

1.00 Credit & .25 SAE Project

-Fee: Dues \$20.00

-An application must be submitted and approved for acceptance into course.

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.

602A Animal and Plant Science

Grades 10-12

Elective

Year

1.00 Credit & .25 SAE Project

-Pre-req: AFNR including project credit

-Fee: Dues \$20.00

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

Agriculture Education

602B Mechanical Principles

Grades 10-12

Elective

Year

1.00 Credit & .25 SAE Project

-Pre-req: AFNR including project credit

-Fee: Dues \$20.00

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

603 Livestock, Selection, Nutrition, and Management

Grades 10-12

Elective

Year

1.00 Credit & .25 SAE Project

-Pre-req: AFNR including project credit

-Fee: Dues \$20.00

- Post Secondary credit can be earned from Clark State Community College that could possibly transfer to other colleges or universities.

Learners will develop business leadership, problem-solving and communication skills in relation to the science and technology of animals. Students will learn responsible animal management principles and routine husbandry practices in relation to animal welfare and behavior. Learners will identify and describe the anatomy and physiology of monogastric and ruminant organisms as it applies to nutrition, reproduction, and animal health. Learners will investigate animal genetics and how it impacts principles of animal improvement, selection and marketing.

604 Business Management for Agricultural and Environmental Systems

Grade 11-12

Elective

Year

1.00 Credit & .25 SAE Project

-Pre-reg: AFNR and one additional Ag credit and also project credit

-Fee: Dues \$20.00

Learners will examine elements of business, identify organizational structures and identify and apply management skills. Learners will develop business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Learners will practice customer sales techniques and apply concepts of ethics and professionalism while understanding related business regulations.

Art

700 Introduction to Art

Grades 10-12

Year

-Fee: \$24.00

Elective

1.0 Credit

This introductory course is recommended for students with an interest in art as well as being required of all art majors. The student will draw, paint, construct effectively with instructional emphasis placed on visual communication through media studies. A wide variety of media is used in conjunction with various projects investigating the elements of design, two and three dimensional, as well as an introduction to art history and art appreciation.

713 Graphics Design I

Grades 11-12

1st Semester

-Pre-req: Introduction to Art with a B average

-Fee: \$24

Elective

0.5 Credit

This elective course will emphasize the creative process that combines art and technology to communicate ideas. It will empower students with the necessary entry-level skills needed to pursue graphic design at a higher level. It will provide students with the understanding of computer programs that will help them succeed in many career fields through the incorporation of computers as a vital tool in graphic design. It will expose students to problem-solving issues that practicing graphic designers face in the real world. This course will promote critical thinking, problem-solving and presentation skills. It will provide students with the ability to create illustrations, customized logos, advertisements and other graphic documents.

714 Graphics Design II

Grades 11-12

2nd Semester

-Pre-req: Introduction to Art with a B average

-Fee: \$24

Elective

0.5 Credit

This elective course will emphasize the creative process that combines art and technology to communicate ideas. It will empower students with the necessary entry-level skills needed to pursue graphic design at a higher level. It will provide students with the understanding of computer programs that will help them succeed in many career fields through the incorporation of computers as a vital tool in graphic design. It will expose students to problem-solving issues that practicing graphic designers face in the real world. This course will promote critical thinking, problem-solving and presentation skills. It will provide students with a new understanding of manipulation, enhancement and special effects that can be executed on images.

Art

715 Art 2A (Drawing)

Grades 11-12 Elective
1st Semester 0.5 Credit
-Pre-req: Introduction to Art with an A average
-Fee: \$12.00

This second year class will expose students to all aspects of fine arts drawing, including figure, still life, landscape and perspective, to name a few. Students will concentrate on shading, highlighting and three dimensionality. Concepts as well as technique will be stressed. Drawing is for the seriously interested student. Basic skills mentioned before will be taught and students will be expected to perfect those skills.

716 Art 2B (Painting)

Grades 11-12 Elective
2nd Semester 0.5 Credit
-Pre-req: Drawing with an A average
-Fee: \$ 12.00
-Will be offered 2020-2021

This course involves the exploration of various types of painting including tempera, watercolor, acrylic and oil painting. A basic history and appreciation of styles in painting are included.

717 Introduction to Ceramics

Grades 11-12 Elective
2nd Semester 0.5 Credit
-Pre-req: Introduction to Art
-Fee: \$24.00
-Will be offered 2019-2020

This course will cover various areas of hand building such as slab, coil, and pinch. Wheel throwing will also be studied. A history of clay and ceramic techniques will be included. Class size will be limited to 15.

Art

720 Advanced Study in Art

Grades 11-12

Elective

Year

1.0 Credit

-Pre-req: 2 art credits with an A average

-Fee: \$24.00

-Recommended for students continuing art beyond high school.

-Must have teacher approval.

Course will be divided into the following areas: forming a portfolio suitable for admittance to college, organized projects in commercial design, and individualized work in chosen area of study. Various projects will investigate the elements of two and three-dimensional design, art history and art appreciation.

721 Independent Studies in Art*

Grade 12

Elective

Year

1.0 Credit

-Pre-req: Advanced Study in Art with an A average

-Fee: \$24.00

-Must have teacher approval.

Students will choose an area of concentration each quarter. The student, will design projects with assistance from the instructor, that will help them prepare for further art study. Continued work on a portfolio will also be a focus. A senior show of all their work from the last two years will be expected and graded. *Students will be combined with the 720 class, but will work on their own requirements for Independent Studies credit.

Business

500 Keyboarding

501 Keyboarding

Grades 9-12

Semester

-Fee: \$5.00

Elective

0.5 Credit

This course is designed for students who wish to learn how to use the alphabetic figure/symbol keyboard using the touch system technique (QWERTY Keyboard). Students will also learn features of Microsoft Word as they are applied to some personal and business applications. You will be typing every day!

505A Computer Applications I

Grades 9-12

Semester

-Fee: \$5.00

Elective

0.5 Credit

Computer Applications I is a lab class in which students learn about the nature of computer technology and apply appropriate tools and resources for a variety of purposes. This course will cover basic topics related to Internet safety, respect, and responsibility. Students will develop skills by using a variety of computer applications and productivity tools that include: word processing programs and document formatting, spreadsheets and calculations, and presentation programs. An introduction to G-mail and Google Doc applications will also be integrated into this course. The goal of this course is to develop the foundational skills that are necessary to be successful in advanced technology courses, academic courses, and beyond! *Previous knowledge of the QWERTY keyboard is recommended for this course, including a keyboarding/typing course.*

505B Computer Applications II

Grades 9-12

Semester

-Fee: \$5.00

-Pre-req: Computer Applications I

Elective

0.5 Credit

Computer Applications II is a lab class where students will apply more advanced technology skills to hands-on projects. Students will engage in multiple business and work place simulations, while working to effectively develop real-world application skills. Students will use Google Applications (Docs, Sheets, Slides) more thoroughly in this course, along with an extension of Microsoft Office applications learned in Computer Applications I. *Previous knowledge of the QWERTY keyboard is highly recommended for this course, including a keyboarding/typing course.*

Business

506 Web Design

Grades 10-12
Semester

Elective
0.5 Credit

This course will serve as an introduction to the design, creation, and maintenance of web pages and websites. Students will learn how to evaluate website design, learn about web design standards and why they are important. Students will create two web pages (personal site and business site) using website builders and will learn introductory basics of coding languages such as HTML/CSS and JavaScript.

530 Introduction to Business

Grades 9-12
Year
-Fee: \$29.00

Elective
1.0 Credit

This course is designed for students interested in a career in business or who just want to learn more about the business world. In this course students will explore topics such as: ethics, international business, forms of ownership, credit & collections, technology, communication, marketing, spreadsheets, and human resources. Students will be able to explore a variety of career areas as well as develop skills to allow them to continue course work offered in the business curriculum.

552 Accounting I

Grades 11-12
Year
-Fee: \$29.00

Elective
1.0 Credit

Accounting I provides students with an introduction into business careers, spreadsheets, and financial records and statements. Students will analyze business transactions involving sole proprietorships and partnerships. This course is ideal for anyone that is considering majoring in business, marketing, advertising, finance, or accounting after high school.

556 Business Law

Grades 10-12
Semester

Elective
0.5 Credit

This course provides a basic study of laws that are used most often by citizens and business people. Students will explore the law as it pertains to society, minors, consumers, and business owners. Students will explore the creation and origins of law, criminal law, the law of torts (civil lawsuits/negligence), the court system in general, and how to protect themselves as consumers.

Business

558 Personal Finance

559 Personal Finance

Grades 9-12
Semester

Required
0.5 Credit

This course investigates many of the financial decisions students will make after high school. Students will examine topics such as consumer decisions, banking (checking/savings), budgeting, interest rates, loans, credit, taxes, and more. After high school, students will be making money and making decisions that will continue to affect their future. This course is a “must” for all those who plan on managing their own money. Successful completion of this course will fulfill the “Financial Literacy” requirement for graduation.

English

010 Reading I **011 Reading II**

Grades 9-12
Semester

Elective
0.5 Credit

This class is an individualized approach to reading. Students will be working on their own level in order to improve comprehension, vocabulary, accuracy, fluency, background knowledge, and critical thinking skills. Students will also learn various reading strategies, especially in the area of non-fiction material. This course will be required for students who have not passed the OGT. ***It is strongly recommended that both labs be taken for 1 full credit in order to fully improve reading skills. However, a student may elect any lab in any order for 0.5 credit. A student may take a maximum of 2.0 credits in reading that count toward graduation.

015 Broadcast Journalism

Grades 10-12
Year

Elective
1.0 Credit

This is a production course for students who want to be involved in producing a daily news show for the entire school, which will include writing, reporting, editing, and video/sound editing.

017 Theatre Arts I

Grades 10-12
1st semester

Elective
0.5 Credit

-Good attendance highly recommended.

Basic technical theatre principles are introduced. This study includes the discussion of crew work including properties, construction, publicity, makeup and costumes. Students also study the varieties of drama ranging from comedy to melodrama to musical comedies. Pantomime and improvisation are utilized throughout the course. One act plays are the culmination of the semester's work.

018 Theatre Arts II

Grades 10-12
2nd semester

Elective
0.5 Credit

-Pre-req: Theatre Arts I

-Good attendance highly recommended. May not be eligible for course due to poor attendance in Theatre Arts I. Eligibility will be left to the discretion of administrator/counselor.

This class is designed for the advanced student in drama. Emphasis is placed on the analysis and interpretation of drama from a directorial point of view. Students also gain experience in various theatrical modes such as oral interpretation. One act plays are prepared in more depth.

English

019 The Lord of the Rings

Grades 11-12
Semester

Elective
0.5 Credit

This course will offer an in-depth study of J.R.R. Tolkien's trilogy, The Lord of the Rings, as well as The Hobbit. The class will involve critical analysis of the four novels and will be writing intensive

022 Journalism

Grades 9-12
Year

Elective
1.0 Credit

-Pre-req: B average in previous English classes and teacher recommendation.

This course is designed to introduce students to the field of journalism. Students will practice skills in news writing, interviewing, advertising, picture-taking, making headlines, and laying out pages. Editors and staff of the Arrowhead, the school newspaper, will be chosen from this class and will enroll in Newspaper Workshop.

023 Newspaper Workshop I

Grades 10-12
Year

Elective
1.0 Credit

-Pre-req: B average in English courses, Journalism and teacher recommendation.

Students acting as editors, reports, photographers, sales representatives, and makeup staff will produce the Arrowhead, the school newspaper. All aspects of newspaper work: writing, interviewing, selling, picture-taking, composing, headlining, making up pages, and circulating the paper will be experienced by the students. The responsible role of the press in a democratic society will be studied with the right to privacy of citizens versus the freedom of the press debated.

024 Newspaper Workshop II

Grades 11-12
Year

Elective
1.0 Credit

This is a course for students who have had Journalism and Newspaper Workshop I and elect to be on the Arrowhead staff.

025 Newspaper Workshop III

Grade 12
Year

Elective
1.0 Credit

This is a course for students who have had Newspaper Workshop II and elect to be on the Arrowhead staff.

English

026 Yearbook Workshop

Grades 10-12
Year

Elective
0.5 Credit

This activity is for students who intend to work on yearbook staff. The material will cover technical and creative preparation and projects that will culminate in the publication of the yearbook.

030 English 9

Grade 9
Year

Required
1.0 Credit

This study continues and extends the integrated study of reading, writing, listening, and speaking. The literature portion will involve reading and analyzing short stories, nonfiction works, poetry, plays, and novels. This will include, but not be limited to, reasoning skills, author's tone, and literary terms. Compositions will reflect grammar skills and literature studies in both expository and creative writing. Sentence variety, paragraphing, transitional devices, developmental strategies, and the writing process will be emphasized. There will also be exposure to many survey skills: using the library for research, working in small groups, and developing listening skills. **Students are required to complete summer reading. (See your guidance counselor for reading list.)**

031 Advanced English 9

Grade 9
Year
-Fee: \$10.00

Required
1.0 Credit

-Recommended for students who are strong, independent readers, especially those planning to attend college.

-Recommend B average in previous English courses

This study continues and extends the integrated study of reading, writing, listening, and speaking. The literature portion will involve reading and analyzing short stories, nonfiction works, poetry, plays and novels. This will include, but not be limited to, reasoning skills, author's tone, and literary terms. Compositions will reflect grammar skills and literature studies in both expository and creative writing. Sentence variety, paragraphing, transitional devices, the multi-paragraphed essay, and the writing process will be emphasized. There will also be exposure to many survey skills: giving oral reports, using the library for research, working in small groups, and developing attention-skills with regards to listening to speakers and learning from audiovisual presentations. **Students are required to complete summer reading. (See your guidance counselor for reading list.)**

English

040 English 10

Grade 10
Year

Required
1.0 Credit

-Pre-req: English 9

English 10 continues and extends the integrated study of reading, writing, listening, and speaking. The literature portion will involve reading and analyzing short stories, nonfiction works, poetry, plays, and novels. These selections will reflect world and United States literature. Students will support their interpretations of literature by using such techniques as reasoning, author's tone and purpose, inferences, and literary devices. Emphasis will be placed on paragraph development with special instruction of the five-paragraph theme, outlining, and the writing process. **Students are required to complete summer reading.**

041 Advanced English 10

Grade 10
Year

Required
1.0 Credit

-Recommended for students who are strong, independent readers, especially those planning to attend college

-Recommended B average in English courses

Advanced English 10 continues and extends the integrated study of reading, writing, listening, and speaking. The course stresses United States and world literature through novels, short stories, drama, essays, poetry, Shakespeare's *Julius Caesar* and the Arthurian legend. Students will support their interpretations of literature by using such techniques as reasoning, author's tone and purpose, inferences, and literary devices. Paragraph development is emphasized throughout the year with special instruction of the five-paragraph theme, outlining, and the writing process. Vocabulary improvement is stressed. **Students are required to complete summer reading.**

050 English 11

Grade 11
Year

Required
1.0 Credit

-Pre-req: English 10

English 11 continues and extends the integrated study of reading, writing, listening, and speaking. This course will also deal with American literature and the writing process. A research paper is required. **Students are required to complete summer reading.**

English

051 Advanced English 11

Grade 11

Required

Year

1.0 Credit

-Recommended for students who are strong, independent readers, especially those planning to attend college

-Recommended B average in English courses

Advanced English 11 will function at a quicker pace and a much deeper, broader level in preparation for post-high school study. A comprehensive, representative survey of American literature will form a major part of this course. Techniques of critical appraisal and response in writing and reading will be incorporated. Writing as a process, usage, reading, style, and mechanics will be emphasized. Term papers will be required. **Students are required to complete summer reading.**

055 Honors English 11

Grade 11

Selective

Year

1.0 Credit

-Pre-req: Two previous years of advanced English; selection by a placement test

To be selected for this course, the student must have high test scores in language arts and recommendation by faculty committee and guidance counselor. A special test may be administered before selection. This course is offered to students who are highly motivated and interested in moving at a faster rate and covering material in greater depth. A comprehensive survey of American literature will be stressed. Literary analysis and a research paper will be included in the writing activities. No AP test is given following this course. **Students are required to complete a summer reading list.**

English

NOTE: SENIORS may select either the full year English 12 course or select two semester courses to meet the 12th Grade English Requirement.

060 English 12

Grade 12
Year

Required
1.0 Credit

English 12 continues and extends the integrated study of reading, writing, listening, and speaking. This course studies the literature from many countries of the world. Various kinds and types of writing for post-high school will be presented. A grammar review will be coordinated with the improvement of sentence effectiveness. The basic types of organization will be utilized in writing paragraphs and compositions. Students must produce an acceptable research project to receive course credit.

Students are required to complete summer reading.

061 Advanced English 12

Grade 12
Year

Required
1.0 Credit

-Pre-req: 3 years of English with a B average

-Recommended for students who are strong, independent readers, especially those planning to attend college

This course is designed to give students a good foundation for college and university literature courses. The class traces British literature from Beowulf to the 20th century. Effective writing for college-level courses will be emphasized. Vocabulary enrichment will be coordinated with the improvement of sentence effectiveness in order to develop a better style of writing. Various types of organization will be utilized in writing paragraphs, essays, and literary criticism. Students must produce an acceptable research project to receive course credit. **Students are required to complete summer reading.**

065 Advanced Placement English 12

Grade 12
Year

Selective
1.0 Credit

-Pre-req: Students must have taken Honors English 11 to apply for this class and have a B average in all subsequent English courses.

-Class members will be required to take the AP examination given by the College Board in May. A fee (approximately \$95.00) is charged for administration and grading of these tests.

This course is designed for seniors who wish to engage in a rigorous reading and writing course. The AP student is highly motivated and is able to work independently. The goal of this class is to offer a college-level English course that will prepare students to succeed in college and on the AP exam. Unlike other English courses offered, students in this course will primarily read nonfiction texts in the following forms: essays, letters, editorials, criticisms, and autobiographies/biographies/memoirs. Students will also write in a variety of forms on a weekly basis and will be expected to reflect analyze, and demonstrate extensive critical thinking skills in class discussions and essay writing. An extensive nonfiction reading list will be provided for independent reading during the school year. **Over the summer, students will be required to read two non-fiction selections and write papers over both, which will be turned in at various points during the summer. A third writing assignment will be due on the first day of school.**

English

NOTE: SENIORS may select either the full year English 12 course or select two semester courses to meet the 12th Grade English Requirement.

068 English 12: Creative Writing

Grade 12	Required
Semester	0.5 Credit

-Pre-req: 3 years of English

This course includes the reading and writing of various types poetry and short stories, such as cliffhangers, scary stories, and mysteries, and both individually and collaboratively. Students will be working with the power of words to portray themes and capture their own personal moments in time. Students will learn characterization, both animated and human, to develop their own short stories. Additionally, students will review and edit sentence structure, paragraphing, organization, usage, and punctuation as needed and make required corrections. The instructor will provide feedback. If the student has not completed a senior research paper before reaching this class, a research paper on their favorite author on his or her works will be required or an advanced topic of choice with approval by the instructor.

069 English 12: Film Study

Grade 12	Required
Semester	0.5 Credit

-Pre-req: 3 years of English

This course will explore the history of the film industry from its earliest beginnings of the silent film world of Charlie Chaplin, Buster Keaton, Harold Lloyd, Mabel Normand, and Lillian Gish to films throughout the 20th century. We will learn about the development of film, as we know it today, and its influence on society. Students will learn the vocabulary of film in relation to camera work, camera angles, moving camera, lighting, editing, and sound. They will learn how to write a movie review. This study will cover the conversion to "talkies," censorship, and movie ratings. Viewing includes *Citizen Kane*, and we will cover Film Noir, Westerns, and a number of films related to the Cold War and the time of McCarthyism. There will be a unit on Alfred Hitchcock's films as well. Time permitting, we'll read and view *Ethan Frome*. Our film study will end with film comedy in the modern age. If the student has not completed a senior research paper before reaching this class, a film-related research paper will be required.

070 English 12 Survey: Sports Literature Focus

Grade 12	Required
Semester	0.5 Credit

-Pre-req: 3 years of English

Students in the class will examine and analyze a wide variety of literary styles such as narratives, opinion pieces, in-depth articles, poems, novels, biographies, and autobiographies. Through the exposure to different types of writing, students will broaden their knowledge of literary and stylistic devices as well as current events in sports. Vocabulary will correspond with the literature selections. Although not limited to, journalistic writing will be emphasized. Students will be required to complete a research project.

English

NOTE: SENIORS may select either the full year English 12 course or select two semester courses to meet the 12th Grade English Requirement.

072 English 12 Survey: Information Literacy and the Research Writing Process

Grade 12

Required

Semester

0.5 Credit

-Pre-req: 3 years of English

This course is designed to provide a good foundation for college and university research skills. Following the Ohio Content Standards for English and Ohio Library Guidelines, the course will provide an in-depth examination of how to: access print and electronic sources, understand the research process, evaluate print and electronic sources, and understand the complexities of plagiarism, and copyright. Students will be required to produce a short research paper and an oral presentation with an appropriate visual aid.

Family and Consumer Science

656A Principles of Food

656B Principles of Food

Grades 9-10

Semester

-Fee: \$18.00

Elective

0.625 Credit

Students will study the five basic food groups and apply the skills of food preparation that promote healthier life styles. Students will work with foods that require different cooking methods and examine the food's nutritional value. Safety and sanitation skills will be emphasized. The teacher will select the recipes to be used in class. Students will cook 6-8 times during the semester. There will be a mandatory project.

658A Culinary Fundamentals

658B Culinary Fundamentals

Grades 10-12

Semester

-Fee: \$20.00

-Pre-req: Principles of Food or Global Foods

-Will be offered 2019-2020

Elective

0.625 Credit

Students will learn culinary skills, such as food safety techniques, correct measurement and recognition, adjustment of recipes, selection and proper use of tools and equipment, and the plating of more challenging recipes. Students will select the recipes used and will cook 6-8 times during the semester. This course can potentially lead to an industry credential of Safe Serve. There will be a mandatory project.

663A Global Foods

663B Global Foods

Grades 10-12

Semester

-Fee: \$20.00

-Pre-req: Principles of Food

-Will be offered 2020 -2021

Elective

0.625 Credit

This class will compare traditional global dishes, ingredients, and preferred cooking methods of various cultures. There will be an emphasis on the influence of traditions, regions, and culture on food choices and cooking styles. Students will look at issues and conditions that impact the availability and quality of food in a global market. Students will apply advanced cooking techniques, including specialized and advanced equipment, in the preparation of the food dishes. Students will cook 6-8 times during the semester. Students will examine Middle Eastern, African, Hispanic, Asian, Indian and European recipes. There will be a mandatory project related to class.

Family and Consumer Science

664A Personal Wellness and Development

664B Personal Wellness and Development

Grades 9-12

Elective

Semester

0.625 Credit

-Fee: \$7.00

Students will develop a personalized approach to healthy living. An emphasis will be placed on developing a wellness plan that can be used to transition through life. Additional topics will focus on problem solving, work related ethics, nutrition and food selection, dealing with stress and life transitions, family relationships, and personal health. There will be a mandatory project related to class.

665A Transitions and Careers

665B Transitions and Careers

Grades 9-10

Elective

Semester

0.625 Credit

This class will have students consider their interests, skills and aptitudes that can be applied to careers. Using this knowledge, students will build transitional skills to use throughout their lifetime. Emphasis will be placed on team building, communication, and leadership skills. Additional topics will also include technology influences on life, technology etiquette and career planning. Students will be using J.A. Career Success as a building tool in class..

666 Child Development

667 Child Development

Grades 10-12

Elective

Semester

0.625 Credit

In this course, students will study the principals of child growth, development and behavior. Topics will include parenting readiness, teen parenting, parenting styles, and healthy prenatal development. Students will examine newborn care and the four areas of child development ranging from birth to 5 years of age. There is a mandatory class related project. One project choice is working with the electronic baby for a weekend.

668 Personal Financial Management

669 Personal Financial Management

Grades 9-12

Required

Semester

0.625 Credit

-Fee: \$7.00

This course will help students develop money skills that are need for personal well being and stability. The course will focus on wise use of resources and being financially stable. Some topics that will be covered include: the economy and its influence on you, banking (checking and saving), budgeting, credit and debt, investing for your future, and insurance. There will be a related out of class project. Successful completion of the course will fulfill the "Financial Literacy" requirement for graduation.

Family and Consumer Science

670A Career and College Readiness

670B Career and College Readiness

Grades 10-12

Elective

Semester

0.625 Credit

This course will help students examine the educational opportunities available after high school. Throughout the course, students will research careers that interest them and how to obtain the education to support their career choice. Areas studied will be ACT Prep, cyber safety and rights, careers, college and educational choices, how to afford education, where to live, financial management and campus security. An out of class project, such as volunteering, recommendation letters, and college visits, is required.

671A Textiles and Interior Design

671B Textiles and Interior Design

Grades 9-10

Elective

Semester

0.625 Credit

-Will be offered 2020-2021

This is an introduction to the basics of fabric construction and interior design. The course will cover a wide range of topics such as, the use of sewing machines, textiles, career opportunities, aspects of design, furnishings, and ways to maintain the home. Hands on projects in both areas and an out of class project will be required.

672A Textile Design: Construction and Maintenance

672B Textile Design: Construction and Maintenance

Grades 10-12

Elective

Semester

0.625 Credit

-Will be offered 2020-2021

In this course, students will study fabrics, design and construction. Students will identify different fabrics, use them to construct projects using a sewing machine, and evaluate how things are made. Students will discuss the use, alteration and maintenance of textiles. An out of class project will be required.

673A Interior Design: Furnishing and Management

673B Interior Design: Furnishing and Management

Grades 10-12

Elective

Semester

0.625 Credit

-Will be offered 2019-2020

In this class, students will look at interior space, function, and design in order to make it more useable by people. Students will look at furnishings, materials, sustainability, traffic patterns, elements of design and the function of placement. There will be design projects with presentations and an out of class project required.

Foreign Language

131 French I

Grades 9-12 Elective
Year 1.0 Credit
-Good attendance highly recommended

An introduction to French—its basic vocabulary, pronunciation, and grammatical patterns with emphasis on development of speaking and listening skills. This class also includes exposure to the culture of France and other French speaking countries.

132 French II

Grades 10-12 Elective
Year 1.0 Credit
-**Pre-req:** French I with a grade of C or higher or teacher approval.
-Good attendance highly recommended

A review of French I followed by more advanced work with increased emphasis on speaking and listening skills as well as development of reading and writing skills. The course includes additional culture study.

133 French III

Grades 11-12 Elective
Year 1.0 Credit
-**Pre-req:** French II with a grade of C or higher or teacher approval.
-Good attendance highly recommended

A continuation of French II. Vocabulary is drawn from current events and normal conversation. Class emphasis is on speaking, listening, and further developing reading and writing skills.

134 French IV

Grade 12 Elective
Year 1.0 Credit
-**Pre-req:** French III with a grade of C or higher or teacher approval.
-Good attendance highly recommended

A continuation of French III. Activities include discussions of current events and other topics of interest, study of French art and/or history, reading a mystery or news stories from the internet, etc.

Foreign Language

141 Spanish I

Grades 9-12 Elective
Year 1.0 Credit
-Good attendance highly recommended

Introduction to language and culture. Activities include learning basic vocabulary, listening and understanding, pronunciation, conversation, and development of elementary reading and writing skills. Cultural emphasis is on daily life and customs.

142 Spanish II

Grades 10-12 Elective
Year 1.0 Credit
-**Pre-req:** Spanish I with a grade of C or higher or teacher approval.
-Good attendance highly recommended

Continuation of Spanish I. Student learns more about the usage of the language, expands his vocabulary, and improves reading and writing skills. Continues study of culture of Spanish-speaking countries.

143 Spanish III

Grades 11-12 Elective
Year 1.0 Credit
-**Pre-req:** Spanish II with a grade of C or higher or teacher approval.
-Good attendance highly recommended

Continuation of Spanish II. Emphasis on conversation, reading, and writing. Introduction to literature, history, and art.

144 Spanish IV

Grade 12 Elective
Year 1.0 Credit
-**Pre-req:** Spanish III with a grade of C or higher or teacher approval.
-Good attendance highly recommended

Continuation of Spanish III. Emphasis on conversation, reading, and writing.

Health & Physical Education

810 Health

811 Health

Grades 9-12
Semester

Required
0.5 Credit

This course acquaints the student with individual, family and community health. The program includes the establishment of practices essential to health, the acquisition of knowledge necessary for health promotion, and the development of attitudes and ideals that will motivate each individual to attain the highest possible level of well being. A period of time is also devoted to instruction that covers state requirements in safety, first aid, alcohol, tobacco and narcotics, and CPR (Cardiopulmonary resuscitation), AIDS, and sex education.

830 Physical Education I

831 Physical Education I

Grades 9-10
Semester

Required
0.25 Credit

Instruction includes individual activities, competitive sports, community recreation, and life sports. There is a promotion of competitive spirit, physical development and ability, sportsmanship and individual interest. Activities include: physical fitness, weight training, softball, track and field, badminton, basketball, hockey, speedball, Frisbee and a sampling of other team sports.

Students who fail this class due to nonparticipation during the first semester may NOT reschedule it until the following year. Exception to this rule will be made only when extenuating circumstances exist. Only the building principal will make a decision of this nature.

Health & Physical Education

The second required semester for physical education will be met by selecting one of the following classes. The three classes all have the prerequisite of Physical Education I. These classes are open to students in Grades 10-12.

840 Physical Education II

841 Physical Education II

Grades 10-12
Semester

Required
0.25 Credit

This class will provide advanced instruction in team sports with continued focus on improving fitness.

843 Lifetime Activities

844 Lifetime Activities

Grades 10-12
Semester

Required
0.25 Credit

This class will provide instruction for techniques, strategy, rules, and the history of activities that students can participate in for their entire life. These include the following activities but are not limited to: tennis, pickle ball, badminton, shuffleboard, table tennis, corn hole, and darts.

845 Weight Training and Physical Conditioning

846 Weight Training and Physical Conditioning

Grades 10-12
Semester

Required
0.25 Credit

This class will provide knowledge and skills in various types of weight training and conditioning activities. The purpose of the class is to promote better fitness through weight training activity and exercise. Students interested in pursuing a yearlong training program should schedule this class both semesters.

Industrial Technology

610 Introduction to Industrial Technology Careers

Grades 9-10

Elective

Year

1.0 Credit

-Fee: \$25.00+project cost (approx \$15.00 - \$30.00) & safety glasses required for participation.

This foundation class explores opportunities existing in a variety of today's industrial technology fields. This course introduces you to basic required skills for many careers in industry and engineering fields by giving you actual hands-on experiences. Students examine a variety of opportunities available by learning what skills and education are necessary for success in their chosen field. Not sure of what you may enjoy? This class will use many lab areas including the electricity, woods, metals, and drafting labs for a very useful cross-section of personal interests and opportunities.

611 Basic Electricity / Electronics

612 Basic Electricity / Electronics

Grades 10-12

Elective

Semester

0.5 Credit

-Fee: \$25.00 + project cost (approx. \$15.00) & safety glasses required for participation.

This course introduces students to electrical theory, symbols, and components through illustrations and experiments. Electrical principles and calculations will be presented. Various projects and experiments will guide the student through residential wiring and electronic lab experiments.

615 Woods I

Grades 10-12

Elective

Semester

0.5 Credit

-Fee: \$30.00+project cost (approx \$30.00-\$100.00) & safety glasses required for participation.

A study of woodworking materials and methods involving project work limited to simple furniture construction using common power tools. Project construction is limited to 12 weeks.

616 Woods II

Grades 10-12

Elective

Semester

0.5 Credit

-Pre-req: Woods I

-Fee: \$30.00+project cost (approx \$30.00-\$100.00) & safety glasses required for participation.

Continuation of Woods I. Lab work focuses on a more involved project with additional emphasis on finishing techniques.

Industrial Technology

621A Metals Technology I

621B Metals Technology I

Grades 10-12

Elective

Semester

0.5 Credit

-Fee: \$30.00 + project cost (approx \$15.00-\$25.00) & safety glasses required for participation.

Metals Technology I is an introduction to metal fabrication, which will reflect industrial metalworking. Lab work will emphasize sheet metal, forging, machining, and welding technologies. Students will make metal products and explore the basics of product development. This course explores related careers, materials, tools, and metalworking processes.

622 Metals Technology II

Grades 11-12

Elective

Semester

0.5 Credit

-Pre-req: Metals I

-Fee: \$30.00 + project cost (approx \$20.00-\$30.00)

Fee: \$30.00plus project cost (approximately \$20.00-\$30.00)

Metals Technomlogy II directs the student in the safe use of different types of manualindustrial machines. The class will be grouped and assigned a common project, as they participate in a project-based learning process, designed to acquire knowledge and skillsin problem solving, team work and innovation. Students will be provided opportunities to apply knowledge, attitudes and skills that were learned in Metals I to the design and construction of individual projects. Students will be able to use the welding process(arc,oxy-acetylene, M.I.G., T.I.G., brazing, and soldering) to join metal, the machine process, and finishing process.

630A Inventors Workshop

630B Inventors Workshop

Grades 11-12

Elective

Semester

0.5 Credit

-Fee: \$15.00 + project cost (approx. \$15-\$20.00)

Use your imagination to take a new product from just an idea to an actual business proposal and in the process learn real world job skills that will help you make money in the future! In this course, you will develop a STEM (Science, Technology, Engineering, and Math) commercialization proposal. Each class session will focus on the various components that are necessary for writing an appropriate proposal. With teacher guidance, students will be taught to find reliable sources, compare ideas from multiple articles, use appropriate citations, develop a plausible prototype, and present their ideas in a coherent manner. Computer aided design (CAD), electronics, metal fabrication, and woodworking projects will be used to help develop ideas.

Math

200 Algebra IA

Grade 9
Year

Required
1.0 Credit

- Placement in the course is based on teacher recommendation.
- Scientific calculator required

This is the first of a two-year sequence that will satisfy the Ohio Core Graduation requirement of Algebra I and provides the foundations for future mathematical courses. Topics include functions, graphs, manipulation of algebraic expressions and the solutions of equations and inequalities. Enrollment will be limited to those students who have been identified as needing a stronger foundation to succeed in Algebra I. **Students can only take course with Teacher Recommendation:** teachers will conduct a close examination of 8th Grade Ohio State Testing, MAPS data, and 8th grade math grades. Upon successful completion of this course, students will enroll in Algebra IB.

201 Algebra IB

Grade 9
Year

Required
1.0 Credit

- Placement in the course is based on teacher recommendation.
- Scientific calculator required
- Will be offered 2020-2021

This is the second of a two-year sequence that is only open to students who have taken Algebra IA. Topics include functions, quadratic equations and graphs, exponential expressions and the solutions of equations and inequalities. Students are required to take the Algebra I End of Course Exam within this course.

230 Algebra I

Grade 9
Year

Required
1.0 Credit

- Formerly Math I
- Recommended for students who need to strengthen mathematical skills and understanding
- Scientific calculator required

Emphasis will be to provide the students opportunities to understand and use basic algebraic concepts including: writing, interpreting, simplifying, evaluating and/or using algebraic expressions and formulas, solving equations and inequalities, graphing simple functions, organizing and using data, and applying problem-solving strategies. Special emphasis will be given to the algebra concepts on the end of course (EOC) state assessments.

Math

231 Advanced Algebra I

Grade 9

Required

Year

1.0 Credit

-Formerly Algebra I

-Recommended for students with a good, basic math background, especially those planning to attend college

-Scientific calculator required

Advanced Algebra I is the study of mathematics that introduces the concept of a variable and the skills used to work with expressions containing variables. It is the foundation for further study of mathematics and science. The aim of this course is to analyze a problem situation, translate it into mathematical language, and then use algebraic skills to solve it. Special emphasis will be given to the concepts on the end of course (EOC) assessments.

240 Geometry (Math II)

Grade 10

Required

Year

1.0 Credit

-Formerly Math II

-Pre-req: Algebra I or Math I

-Recommended for students who need to strengthen mathematical skills and understanding

-Scientific calculator required

Emphasis will be to provide the student opportunities to understand and use basic informal geometric concepts including angle relationships, perimeter, area, surface area, volume, properties of two-dimensional figures and three-dimensional objects, characteristics of congruent and similar figures and deductive and inductive reasoning. Special emphasis will be given to the concepts on the end of course (EOC) assessments.

241 Advanced Geometry

Grades 9*-10

Required

Year

1.0 Credit

-Formerly Geometry

-Pre-req: Algebra I with a C average or better

-Scientific calculator required

This course integrates the most important parts of solid geometry with plane geometry. How points, lines, planes, triangles, circles and other figures relate to each other and to the world is studied in depth. The processes of reasoning and organization are emphasized throughout the course. Special emphasis will be given to the concepts on the end of course (EOC) assessments.

*Freshmen must meet two or more of the following conditions:

1. Attain a 3.0 average or better in 8th grade Algebra I
2. Pass Algebra I post test (given in the 4th quarter of the 8th grade year)
3. Be recommended by the Algebra I teacher

Math

250 Algebra II

Grade 11
Year

Required
1.0 Credit

-Formerly Math III

-Pre-req: Math II or Geometry

-Recommended for students who need to strengthen mathematical skills and understanding, especially those planning to enter technical school

-Scientific calculator required

Emphasis will be to provide the student opportunities to understand and use more advanced algebraic concepts including the real and complex number system, solving first and second degree equations and inequalities, logarithms and exponential, functions and their graphs, simple matrices and statistical experimenting.

251 Advanced Algebra II

Grades 10-11
Year

Required
1.0 Credit

-Formerly Algebra II

-Pre-req: Completion of both Algebra I and Geometry with a C average or better

-Recommended for students who will continue their education at the college or technical level

-Graphing calculator required. A TI-83 or TI 84 will be the model used in all demonstrations.

The topics covered in this course include real and complex number systems, absolute values, linear and quadratic equations, linear and quadratic inequalities, polynomials, rational expressions, functions, coordinate planes with graphing lines and simple conics, exponential and logarithmic functions, sequences and series, and basic concepts of probability and counting methods. Emphasis will not only be on skills in these areas but also on using these skills to set up and solve problems like those encountered in various occupations and careers.

260 Senior Math

Grade 12
Year

Elective
1.0 Credit

-Pre-req: Math III or Algebra II

-Scientific calculator required.

This course is for seniors only. The course will include an introduction to trigonometry and statistics. A survey of related concepts from Algebra and Geometry will be a part of this course as well as problem solving strategies.

Math

270 Pre-Calculus

Grades 11-12

Elective

Year

1.0 Credit

-Pre-req: Algebra II with a B average or higher or a C average with the recommendation of the Algebra II teacher

-Graphing calculator required. A TI-83 or TI 84 will be the model used in all demonstrations.

This course is for students with above average math background. It will include the study of functions and trigonometry. It will give solid preparation for calculus, college boards exams and further enrichment of math understanding. This course will be taught from a graphic approach.

271 Calculus

Grade 12

Elective

Year

1.0 Credit

-Pre-req: 3.0 GPA in Algebra I, Geometry, Algebra II and Pre-Calculus

-Graphing calculator required. A TI-83 or TI 84 will be the model used in all demonstrations.

Calculus is a course for the student who has completed precalculus but does not have a strong enough math background for the rigorous concept development of AP Calculus. This course will develop and apply the concepts of limit, derivative, definite integral and antiderivative as used in many non-science disciplines at the college level.

275 AP Calculus

Grade 12

Selective

Year

1.0 Credit

-Pre-req: 3.5 GPA in Algebra I, Geometry, Algebra II and Pre-Calculus or recommendation of Math department

- Graphing calculator required. A TI-83 or TI 84 will be the model used in all demonstrations.

-Class members will be required to take the AP Calculus examination given by the College Board in May. A fee (approximately \$95) is charged for administration and grading of these tests.

A. P. Calculus consists of work in calculus and related topics comparable to courses in colleges and universities. A set curriculum is followed nationwide.

Music

740 Symphonic Band

Grades 9-12

Elective

Year

1.0 Credit

-Fee: \$10.00

-New members are required to purchase concert attire.

Open to all high school students- activities include approximately four concerts a year. Music played covers a wide range from classical to popular.

741 Wind Ensemble

Grades 9-12

Elective

Year

1.0 Credit

-Pre-req: Students must audition.

-Fee: \$10.00

-Recommended for the advanced music student.

-New members are required to purchase concert attire.

A select group of approximately 45 members, which is open to membership by audition only. The music performed includes the most difficult high school level music and much college level material. Activities include approximately four concerts a year.

749 Men's Chorus

Grades 9-12

Elective

Year

1.0 Credit

Men's Chorus is a choral ensemble for Tenor, Baritone, and Bass voices. It provides students with the opportunity to perform choral music. This ensemble studies a variety of musical styles. Students will be expected to rehearse and perform using a **moderate** level of musicianship and will grow in their musical knowledge of sight singing, solfege, vocal technique, choral singing, and music theory. Required evening concerts will be given throughout the year including fall, Holiday, spring, and possibly Large Group OMEA Adjudicated Event in March. Students will also have opportunity to participate in OMEA Solo and Ensemble Adjudicated events.

Music

750 Women's Chorus

Grades 9-12
Year

Elective
1.0 Credit

Women's Chorus is a choral ensemble for Soprano, Second Soprano, and Alto voices. It provides students with the opportunity to perform choral music. This ensemble studies a variety of musical styles. Students will be expected to rehearse and perform using a **moderate** level of musicianship and will grow in their musical knowledge of sight singing, solfege, vocal technique, choral singing, and music theory. Required evening concerts will be given throughout the year including fall, Holiday, spring, and possibly Large Group OMEA Adjudicated Event in March. Students will also have opportunity to participate in OMEA Solo and Ensemble Adjudicated events.

752 Advanced Mixed Chorus

Grades 10-12
Year

Elective
1.0 Credit

-Pre-req: By audition only; one year of experience in another high school choir is preferred

Mixed Chorus is an advanced choral ensemble for experienced male and female voices. Mixed Chorus studies a variety of musical styles within the choral genre from Renaissance and classical to jazz and Broadway, which may include staging and choreography. Students will be expected to rehearse and perform using an **advanced** level of musicianship and self-discipline and will grow in their musical knowledge of sight singing, solfege, vocal technique, choral singing, and music theory. Required evening concerts will be given throughout the year including fall, Holiday, Spring, and Large Group OMEA Adjudicated Event in March, as well as community performances throughout the year. Students will also have opportunity to participate in OMEA Solo and Ensemble Adjudicated events.

761 Music Theory

Grades 11-12
Year

Elective
1.0 Credit

-Pre-req: Knowledge of music such as notes, scales, rhythms, etc

A study of the analysis, mechanics, and construction of music with specific work in the area of intervals and chords. Also includes ear training and music dictation. Course is meant for the more serious music student and should be taken by all students who plan to enter the field of music, but the course is not limited to only college-bound music majors.

Science

330A Physical Science

330B Physical Science

Grade 9

Semester

-Fee: \$6.00

Required

0.5 Credit

-To fulfill requirement students must receive credit for both semesters A & B

A comprehensive study of the physical world including chemistry and the universe. Physical Science A will include everything from atomic structure, the periodic table, chemical reactions and bonding to the universe and stars. Physical Science B is a study of the physical world with topics such as motion, work, power, energy, waves, electricity, and force. All material is covered in order to prepare students for the Ohio Graduation Test and all state required assessments. Some lab and research technology activities are required.

331A Advanced Physical Science

331B Advanced Physical Science

Grade 9

Semester

-Fee: \$6.00

Required

0.5 Credit

-To fulfill requirement students must receive credit for both semesters A & B

Advanced Physical Science is a detailed study of multiple scientific disciplines. This course is designed for freshman with strong academic ability and an interest in science. Semester A topics include atomic structure, the periodic table, chemical reactions, bonding, the universe, and stars. Semester B focuses on the study of physics with topics such as motion, work, power, energy, waves, electricity, and force. Lab activities, research, and considerable time working and studying outside of class can be expected. Students opting for this level should be considering a college prep curriculum.

340A Biology

340B Biology

Grade 10

Semester

-Fee: \$10.00

Required

0.5 Credit

-To fulfill requirement students must receive credit for both semesters A & B

This course covers a comprehensive list of topics in the biological sciences. Cells, genetics, evolution, ecology and microorganisms will be covered. All benchmarks and grade level indicators for the biological science portion of the required state assessments will also be covered. Some lab activities and research-based projects may be required. This course meets the requirement of a second science course needed for graduation. Students may not receive credit for both 340 and 341.

Science

341 Advanced Biology

Grade 10
Year

Required
1.0 Credit

-Pre-req: Grade of B in Physical Science

-Fee: \$10.00

-Recommended for advanced students.

This course is lecture-based course that will include lab work, group projects, and hands-on activities. The first semester will focus on cell biology and second will be used to explore the structure and function of organisms and their relationship to their surroundings. This course is for those interested in science that are planning to continue formal education after high school.

350A Consumer Chemistry

350B Consumer Chemistry

Grades 11-12
Semester

Required
0.5 Credit

-Pre-req: Two prior science credits required for admission and successful completion of Math II or Algebra I

-Fee: \$15.00

-To fulfill requirement students must receive credit for both semesters A & B

-Students must complete 350A, before taking 350B.

-Credit will not be given for 351 Chemistry or 355 Honors Chemistry.

This course will provide the fundamentals of physical science applied to the chemistry of home, work and society. Subjects covered will include the chemistry of water, resources, petroleum, food and the atmosphere. Students will be required to solve mathematical equations. Laboratory experiences will be required.

351 Chemistry

Grades 11-12
Year

Required
1.0 Credit

-Pre-req: Students must have passed the math portion of the OGT, passed Algebra I with a C average, and pass an Algebra entrance exam.

-Fee: \$20.00

-Student must sign a safety contract.

A study of composition of matter and changes in composition with topics including atomic structure, chemical and physical changes, periodic table, chemical bonding, formulas, equations, solutions, ionization, acids, bases, salts, and radioactivity. Math problems dealing with equations are required. Work consists of lectures, demonstrations, and lab work. This course is provided for those students planning to continue a post high school education such as technical training, nursing, school, college, etc. This course will meet the requirements of lab science for college entrance. The math work and lab work will not be as involved as Honors Chemistry.

Science

355 Chemistry Honors

Grade 11

Selective

Year

1.0 Credit

-Pre-req: Grade of B in Algebra I or recommendation of math department

-Fee: \$20.00

-3.0 GPA, Science GPA of 3.3.

-A qualifying exam may be used in the selection process

- Application must be submitted. Acceptance by science department faculty.

-Student must sign a safety contract

A lab-oriented course involving a study of composition of matter and changes in composition, which will include atomic structure, chemical and physical changes, periodic table, chemical bonding, formulas and equations, solutions, ionization, acids, bases, salts, and radioactivity. Math problems and chemical equations are a necessary part of the work. Work consists of lecture, class discussions, demonstrations and lab work. Emphasis is placed on the development of critical thinking, scientific literacy, and appreciation of science. This course is provided for those students planning to continue a post high school education such as technical training, nursing school, college, etc. This course will meet the requirement of lab science for college entrance.

357A Environmental Science

357B Environmental Science

Grades 11-12

Required

Semester

0.5 Credit

-Fee: \$12.00

-To fulfill requirement students must receive credit for both semesters A & B

This course will provide the student an overview of environmental issues and provide the opportunity to become an informed citizen. In addition to classroom work, students will have laboratory experiences, library research, and computer based projects. Topics covered will include ecosystems, human population, land use, food production, air and water pollution, climate, biodiversity, environmental law and environmental world wide view and philosophy.

Science

359A Zoology

Grade 12

Elective

Semester

0.5 Credit

-Pre-req: Chemistry

-Fee: \$20.00

-3.0 GPA, Science GPA of 3.3. (preferred)

-To fulfill requirements students must receive credit for both 359A and 359B

- Qualifying exam may be used in selection process.

-Application must be submitted, acceptance based on Science Department recommendation.

This course is a detailed study of the different phyla of the Animal Kingdom. It is designed to give students an opportunity to explore the anatomy and physiology of organisms in the Animal Kingdom through dissection. Major themes in this course include: Homeostasis of organisms, habitat and ecological roles of organisms, life cycles and reproductive cycles of organisms, and the anatomy and physiology of organisms in the Animal Kingdom. Dissection is a required part of the class. This class is recommended for students wanting to pursue a career in the Biological or Medical Sciences.

359B Human Anatomy and Physiology

Grade 12

Elective

Semester

0.5 Credit

-Pre-req: Chemistry

-Fee: \$10.00

-3.0 GPA, Science GPA of 3.3. (preferred)

-To fulfill requirements students must receive credit for both 359A and 359B

- Qualifying exam may be used in selection process.

-Application must be submitted, acceptance based on Science Department recommendation.

Human Anatomy and Physiology is a detailed study of the anatomy and physiology of the human body. This semester class presents a systematic approach to the study of the human body. Lecture presentation begins with an introduction to anatomical terminology, an overview of cellular processes and tissue classification. Students will then learn the gross anatomy of the following systems: skeletal, muscular, circulatory, respiratory, and digestive. Dissection is a required part of the class. This class is recommended for students wanting to pursue a career in the Biological or Medical Sciences.

Science

360 Physics

Grade 12 Elective
Year 1.0 Credit

-Pre-req: Chemistry and Algebra II

-Fee: \$15.00

-2.5 Science and Math GPA

-Must take Senior Math or higher concurrently

-A strong mathematical background is recommended.

Physics is the mathematical study of force and energy. This class is a conceptual overview of the field with an emphasis is placed on laboratory work and problem solving. Projects throughout the year may include designing lab activities and demonstrations, participating in a MythBusters project, and a superhero project. This class is recommended for those students that wish to attend college after graduation.

365 Physics Honors

Grade 12 Selective
Year 1.0 Credit

-Pre-req: Chemistry and Pre-Calculus

-Fee: \$20.00

-3.5 Science and Math GPA

-Calculus is preferred and highly recommended.

-A strong mathematical background is recommended.

-Application must be submitted, acceptance based on Science Department recommendation.

Physics is the mathematical study of force and energy. This class is an intensive and fast paced overview of the field. Heavy emphasis is placed on laboratory work and problem solving. Projects throughout the year may include building a roller coaster, designing demonstrations and lab activities, participating in a MythBusters project, and participating in a superhero project. This class is strongly recommended for those students that wish to pursue a career in engineering or scientific field but any college bound student is welcome to apply.

Social Studies

430 World History

Grade 9
Year

Required
1.0 Credit

Ninth grade students begin the chronological study of world history. This incorporates each of the seven standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.

431 Advanced World History

Grade 9
Year

Required
1.0 Credit

-This course will be a prerequisite for Advanced American History and AP American Government.

Ninth grade students begin the chronological study of world history. This incorporates each of the seven standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills. Research projects will be required.

440 American History

Grade 10
Year

Required
1.0 Credit

-Pre-req: World History

Tenth grade students continue the chronological study of history of the United States with emphasis on domestic affairs. This study incorporates each of the seven standards. As students study the historic eras they consider the geographic, cultural, economic and government changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

441 Advanced American History

Grade 10
Year

Required
1.0 Credit

-Pre-req: World History or Advanced World History

-This course will be a pre-requisite for AP American Government.

Tenth grade students continue the chronological study of history of the United States with emphasis on domestic affairs. This study incorporates each of the seven standards. As students study the historic eras they consider the geographic, cultural, economic and government changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods. Research projects will be required.

Social Studies

460 General Government

Grade 11
Year

Required
1.0 Credit

This will be a general survey course of the structure and functions of American Government. Students will be assigned 15 hours of community service to complete that includes at least 5 political hours.

461 Advanced Government

Grade 11
Year

Required
1.0 Credit

This is a study of the structure and functions of the federal, state and local government with emphasis on the political process and current events. Projects will be required in this class. Students will be assigned 15 hours of community service to complete that includes at least 5 political hours.

465 Advanced Placement American Government

Grade 11
Year

Selective
1.0 Credit

-Pre-req: To select this course a student must have a cumulative grade of A- or better in Advanced World History and Advanced American History. Students must also have a recommendation by a History and/or English instructor as to their writing ability.

-Class members will be required to take the AP examination given by the College Board in May. A fee (approximately \$95.00) is charged for administration and grading of these tests.

-Class members may have required summer assignments.

This will be a college level course in American Government. Students who are accepted must be self-motivated and willing to work independently. Students should plan to have 1-2 hours of homework per day. This course will carry weighted grades. Students will be assigned 15 hours of community service to complete that includes at least 5 political hours.

Social Studies

****NOTE: You may take Behavioral Psychology without taking Introduction to Psychology.***

467 Introduction to Psychology

Grades 11-12
1st Semester

Elective
0.5 Credit

This will be an introductory course in Psychology. The first semester will include Methods of Psychology; Brain, Body, Awareness; Principles of Learning, Memory, Intelligence, Creativity; and Human development. Preference will be given to seniors, if needed.

468 Behavioral Psychology

Grades 11-12
2nd Semester

Elective
0.5 Credit

This will be an introductory course in Psychology. The second semester will include learning units covering the topics of Personality, Adjustment, Conflict; Psychological Disorders; and Sociocultural Influence and Self. Preference will be given to seniors, if needed.

470 Current Events I

471 Current Events II

Grades 11-12
Semester

Elective
0.5 Credit

The focus of this class will be those current events that are changing our social, political, and economic conditions, as they shape our world today. The students will, along with the teacher, provide topics for class discussions and analysis. Daily news sources, such as newspapers, television news shows, magazines, and the internet will be used in this class. Preference will be given to seniors, if needed.

Additional Programs

Career Based Intervention

Selective

- Pre-req: Must be employable
- Open to 11-12 Grade Students

Career Based Intervention is a vocational program designed for students who want to make employment part of their high school curriculum. The Career Based Intervention Program places emphasis on small group instruction, vocational orientation, and work experience. The program also provides assistance to those students who need to improve their attendance or pass state mandated tests needed for graduation.

The major purpose is to help students successfully complete a vocational or academic high school program. The ultimate goal is to produce well adjusted, educated, productive, and responsible citizens. To accomplish this, the Career Based Intervention Program:

- can allow eligible students early dismissal
- allows opportunity for credit recovery using online instruction for academic courses
- involves the school, community, and parents in partnerships to assure the students' progress in their own career
- imparts the value of work to students by utilizing paid work experiences that comply with the child labor laws
- 1.0 credit each for English, Science, Social Studies and/or Math
- 1.0 credit Job Related (can be used as business/technology credit)
- 0.5 - 4.00 credits Job Station

Moderate Resource Room

Selective

This program is designed to allow the students to achieve at their own ability levels in small group classes taught by an intervention specialist. Integrated into the curriculum are work skills such as punctuality, following directions, ability to get along with others, and a sense of responsibility. This program also offers each student work experience through in-school jobs and community placement. An individualized education plan team will determine if this is an appropriate setting for a student.

Mild Resource Room

Selective

This program is designed to meet the individual needs of each student through regular class intervention, tutoring, and small group instruction. Individualized education plans (IEP's), which take into account a student's strengths and weaknesses, are outlined for each student.

GRADS

Selective

GRADS (Graduation, Reality, and Dual-Role Skills) is an in-school secondary program for pregnant and parenting teens (males and females) in grades 9-12. GRADS offers students an opportunity to share ideas, gain confidence, and learn more about their changing roles. The purpose of GRADS is to increase the likelihood that young parents will remain in school to the point of graduation. For more information on GRADS, see your counselor.

Additional Programs

College Credit Plus (CCP)

What is CCP?

- CCP is part of Ohio law that requires all state public high schools to provide students with an opportunity to earn college credit toward a degree or career certification during their high school career.
- CCP replaces PSEO (Post Secondary Educational Options) and Dual Enrollment programs.
- CCP courses count for both high school and college credit.
- Students can choose **any course** that is not remedial or religious and applies toward a degree or professional certification, in a subject area in which the student is college-ready.

Am I eligible to participate?

- The student must meet the participation requirements set by the college/university that he/she chooses to attend and be accepted by the college.
- The student may be required to take a placement test and/or meet other criteria for the college.

Cost and Credit:

- There is no cost to participate in CCP courses offered at a public college/university.
- There may be additional fees to participate in CCP courses offered by a private college/university.
- Successful completion of the course results in earned credit on both the student's high school AND college transcript.
- The student's CCP course grade will be reflected on both transcripts.
- The CCP grades are computed into the high school grade point average.

Dates and Deadlines:

- **Students must turn in the letter of intent to participate by April 1st.**
- Registration deadlines set by the college must be met.

Need more Information?

- Contact your Guidance Counselor.
- Visit the Tecumseh High School Guidance webpage.