

WAYNE HIGH SCHOOL

WEISENBORN JUNIOR HIGH

PROGRAM OF STUDIES

2025-2026

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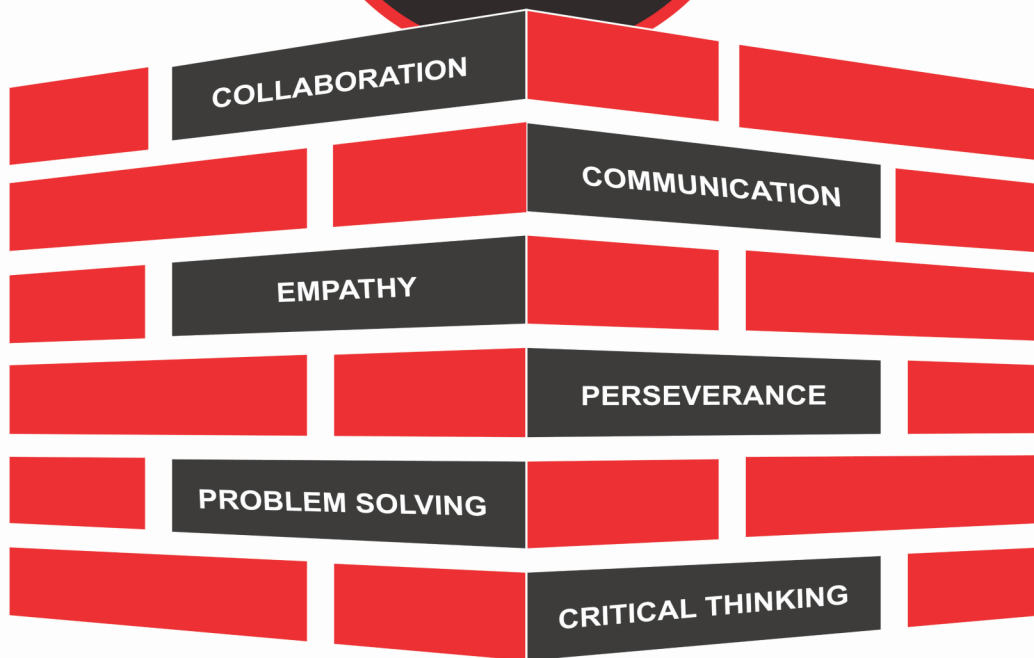
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PORTRAIT OF A WARRIOR



COLLABORATION | A Warrior respectfully works to achieve collective goals by actively seeking diverse perspectives and contributions to enhance the learning of self and others while also positively responding to feedback.

EMPATHY | A Warrior demonstrates awareness, sensitivity, concern, and respect to connect with the feelings, opinions, experiences, and culture of others.

PROBLEM SOLVING | A Warrior applies creative and innovative thinking while identifying, evaluating, and prioritizing solutions to difficult or complex situations.

COMMUNICATION | A Warrior articulates thoughts and ideas effectively using oral, written and nonverbal skills, while also listening effectively to understand meaning, including knowledge, values, attitudes, and intentions of others.

PERSEVERANCE | A Warrior embraces the idea that failure is a part of success despite difficulty, opposition, and/or setbacks, while continually moving towards their goals.

CRITICAL THINKING | A Warrior consistently evolves the quality of their own thinking by analyzing, assessing and reconstructing information to propose impactful solutions.

FIND YOUR WARRIOR WAY

The Program of Studies is designed to assist students in grades 7 through 12 in planning courses of study which are suitable to their abilities and interests to create a foundation for future professions or vocations. The educational experience offered by these courses will furnish students with important knowledge, skills, habits, attitudes, and ideals for present and future living. Junior high and high school offer you the basis for post-secondary school success, as well as opportunities to learn and try new things. Use this time to explore options and find your interests and passions.

Students are expected to schedule seven (7) periods for each semester. Students should choose their subjects with great care, taking into consideration high school graduation requirements and post-graduation plans. Additionally, if you plan to earn an Honors Diploma and/or participate in collegiate athletics, please consider those requirements when making your course selections.

Many of our courses fall within three categories: college and career, honors and advanced or Advanced Placement (AP[®]) and College Credit Plus (CCP). College and career courses are tailored to accommodate students who intend to enter the workforce, military or college/university upon graduation. These courses require students to exercise skills such as reading technical materials, synthesizing concepts as they are presented in each course, writing extensively and thoughtfully, and reasoning/comprehending newly presented materials through the lens of previously learned information. Honors and advanced courses are intended for motivated students who have demonstrated a mastery in many of the skills needed to be successful in school. Classes are intended to challenge students and reinforce positive, academic habits. In honors and advanced classes, students will be provided an atmosphere of high expectations regarding work product and classroom behavior. Advanced Placement and College Credit Plus courses are intended for highly motivated students who have already demonstrated a mastery of the majority of skills necessary to be a successful university student. They are intended to challenge students and reinforce positive, academic habits. In AP[®] and CCP classes, students will be provided a collegiate atmosphere with commensurate expectations regarding work product and classroom conduct.

Please seek the advice and expertise of your parents, teachers, and school counselor regarding the right course of studies for you. During winter and spring of 2024, considerable time will be spent acquainting students with our courses and the scheduling process. Take time to read through all the courses that Weisenborn and Wayne have to offer. Explore all the departments, challenge yourself, and know that the best path toward graduation is a *planned* one. When developing your path toward graduation, look at the example provided for you on **page 5** and use the worksheet on **page 66** to help chart your course. Make sure you have all your required courses accounted for and that you plan to earn 20 credits to graduate. Work with your counselor when you have questions and ask your teachers for guidance on which courses are best for you. Don't forget to take advantage of extra-curricular and co-curricular activities. Engage and enjoy your time at Weisenborn and Wayne.

Weisenborn Junior High

Rich Thompson, Principal
Scott Jacobs, Assistant Principal
Kristin Tirado, Assistant Principal
Amy Van Dyke, School Counselor
Tammy Helton, School Counselor

Wayne High School

Brent Carey, Principal
Dorian Glover, Assistant Principal
Terra Spears, Assistant Principal
Cameron McCoy, Assistant Principal
Brenda Abels, School Counselor
Kelly Fisher, School Counselor
Joselyn Coaston, School Counselor
Jennifer Davis, School Counselor
Toni Gore, School Counselor

Warrior Pride!

Sample Course Planning Guide – Grades 7-12

This page is designed to outline the structure of a typical student schedule so that students may begin planning to reach graduation, as well as other vocational, collegiate or academic goals (Honors Diploma as an example). ***Please see pg. 6 for more information on elective offerings as well as each department's course description section for more detailed information.***

7 th GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Health & Design/Modeling	
Electives: Up to 4 from page six	

8 TH GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Electives: Up to 6 from page six	
TOTAL CREDITS	

FRESHMAN YEAR	CREDIT
Freshman English*	1
Algebra*	1
Physical Science*	1
Modern World History*	1
PE I/PE II *	.5
Career Tech Course or Elective	1
Elective	1
TOTAL CREDITS	6.5

SOPHOMORE YEAR	CREDIT
Sophomore English*	1
Geometry*	1
Biology*	1
American History*	1
Financial Literacy*/Career Exploration	1
Health*/Elective	1
Career Tech Course or Elective	1
TOTAL CREDITS	7

JUNIOR YEAR	CREDIT
Junior English*	1
Math*	1
Advanced Science*	1
American Government*	1
¹ Art I/Music Appreciation and History*	1
Career Tech Course or Elective	1
Career Tech Course or Elective	1
TOTAL CREDITS	7

SENIOR YEAR	CREDIT
Senior English*	1
Math *	1
Elective	1
Elective	1
Career Tech Course or Elective	1
Career Tech Course or Elective	1
Career Tech Course or Elective	1
TOTAL CREDITS	7

* graduation requirement

Notes:

OVERALL TOTAL CREDITS 27.5

- Health & Design and Modeling will be paired together as a semester course offering.
- All 7th grade students will take Health and Design & Modeling. The exception is students who have a full schedule.
- If eligible, 8th graders may earn high school credit for Algebra, Physical Science, Music Appreciation and History, French and/or Spanish.
- PE and Health must also be taken at the high school level.
- Students who take a full schedule and pass all of their classes will earn more than the 20 credits required for graduation.
- ¹Students are exempted from the Fine Arts Graduation Requirement by completing one credit or one year of coursework in a coherent, sequential, career-technical track.

ELECTIVE COURSES

Year-Long Classes

Weisenborn

Band (7,8), p. 40
Choir (7,8), p. 39
French I (8), p. 49
Spanish I (8), p. 51

Wayne

AFJROTC, p. 31

AFJROTC I (9-12)
AFJROTC II (10-12)
AFJROTC III (11, 12)
AFJROTC IV (12)
AFJROTC Drill and Ceremonies (9-12)

CAREER TECHNOLOGY, p. 27-38

*Introductory courses for the pathway:

Agriculture Services, p. 30

Agriculture, Food and Natural Resources
(9-12)

Interactive Multimedia, p. 37

Digital Design (9-12)

Biomedical Science, p. 32

Honors Principles of Biomedical Science
(9,10)

ENGLISH LANGUAGE ARTS, p. 43

Publication Design (10-12)

FINE ARTS, p. 39

Vocal Music, p. 39

Concert Choir (9-12)
Treble Choir (9-12)
Varsity Choir (10-12)
Choraliers (11,12)

Instrumental Music p. 40

Concert Band (9-12)
Symphonic Band (9-12)
Wind Ensemble (10-12)
Jazz Band (10-12)

Visual Arts, p. 41

AP® Studio Art: 2D Design (10-12)

SOCIAL STUDIES, p. 62

Honors African American Studies (11-12)

WORLD LANGUAGES, p. 49

French, p. 49

French I & II (9-12)
French III & French III Honors (11,12)
French IV (11,12)
AP® French (12)

Spanish, p. 51

Spanish I & II (9-12)
Spanish III & Spanish III Honors (11,12)
Spanish IV (11,12)
AP® Spanish (12)

Semester Classes

Weisenborn

Art I (7,8) p. 41
Art II (7,8) p. 41
Career Tech Intro Lab (8) p. 28
Career Connections (8) p. 28
Computer Science II (8) p.28
Design and Modeling (7-Qtr) p. 28
General Music (7,8 Qtr), p. 39
Health (7-Qtr) p. 42
Introduction to Biomedical Science (7,8), p.28
Intro to Computer Science (7,8), p.28
Intro to French (7-Qtr) p. 49
Intro to Spanish (7-Qtr) p. 51
Music Appreciation and History (8), p. 39
Percussion: More than Just Drums (7,8 Qtr) p. 40
Physical Education (7,8), p. 42

Wayne

BUSINESS, p. 23

Accounting 1A (10-12)
Accounting 1B (10-12)
Business Foundations (9-12)
Business Law (10-12)
Business Management (10-12)
Career Exploration (10-12)
Digital Commerce (10-12)
Economics (11,12)
Entrepreneurship (9-12)
Financial Literacy I (10-12)
Financial Literacy II (10-12)
Principles of Marketing (9-12)
Technical Applications I & II (9-12)

CAREER TECHNOLOGY, p. 27-38

Intro to 3D Printing and Design (9,10)
Intro to Construction Technologies (9,10)
Intro to HVAC (9,10)
Intro to Robotics (9,10)
Intro to Welding (9,10)

ENGLISH LANGUAGE ARTS, p. 43

Creative Writing (10-12)
Dystopian Literature (10-12)
Drama (9-12)
Journalism and Writing (11-12)
Multicultural Literature (10-12)
Public Speaking (10-12)

FINE ARTS, p. 39

Music Appreciation & Exploration pg.39

Music Appreciation and History (8-12)
Introduction to Music Audio and Video
Production (9-12)

Visual Arts, p. 41

Art I (9-12)
Art II (9-12)
Advanced Ceramics and Sculpture (10-12)
Advanced Drawing (10-12)
Advanced Painting (10-12)

HEALTH and PE, p. 42

Athletic Conditioning (10-12)
Boys Conditioning (10-12)
Girls Conditioning (10-12)
Sports Medicine (10-12)

Non-Department Coursework, p. 57

ACT Prep (10-12)
NRF Rise-Up (11,12)
Sports Management & Operations (9-12)
Teacher Academy (12)
Workforce Readiness (11,12)

SCIENCE, p. 58

Forensics I (9-12)
Forensics II (9-12)

SOCIAL STUDIES, p. 62

African American Studies I (10-12)
African American Studies II (10-12)
Current Events (10-12)
History Through Film (11,12)
Ohio History (9-12)
Psychology I (11,12)
Psychology II (11,12)
Sociology (11,12)
World Geography & Cultures (11,12)

PREPARING FOR GRADUATION

Graduation Requirements

Subject Area	Requirements
English Language Arts	4 units
Health	½ unit
Mathematics	4 units ¹
Physical Education	½ unit ²
Science	3 units ³
Social Studies	3 units ⁴
Electives	4 units ⁵
Other Requirements	Financial Literacy ⁶
	Fine Arts ⁷
	Permanent Requirements
Total Units	20 Units
NOTE TO COLLEGE BOUND STUDENTS: Most four year (4) colleges require the completion of two (2) credits of the same foreign language and one (1) credit of fine arts for admission, even for students who are following a career-technology path. It is suggested that college bound students consult each college they are considering for specific minimum requirements.	

Graduation ceremonies are held in the fall and spring of each school year. All requirements, as established by board policy, must be completed by the conclusion of the appropriate grading period. All financial obligations must be met to receive a diploma.

- 1 Mathematics units must include one unit of Algebra II or the equivalent of Algebra II. Exceptions: a) Algebra II is not a requirement for students following a career technical pathway. However, students still must have four units in mathematics.
- 2 Students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years are exempt from the physical education requirement. Students are still required, however, to earn a total of 20 credits
- 3 Science units must include one unit of physical sciences, one unit of life sciences and one unit advanced study in one or more of the following sciences: chemistry, material science, physics or other physical science; advanced biology or other life science; astronomy, physical geology or other earth or space science.
- 4 Half unit in world history and civilizations is required, as well as American history and American government.
- 5 Electives units must be selected from "one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, Junior Reserve Officer Training Corps programs, technology, agricultural education, or English language arts, mathematics, science, or social studies courses not otherwise required." Credits earned from coursework such as additional physical education, or additional health courses may not be used to meet the five units of electives requirement.
- 6 All students must receive instruction in financial literacy during Grades 9-12.
- 7 Students must complete at least two semesters of fine arts taken any time in Grades 7-12. Fine Arts taken in grades 7-8 do not count for high school credit, but do fulfill the requirements for graduation. Those working towards an honors diploma MUST obtain the fine arts requirement at the high school level. Students may take Music Appreciation in the 8th grade for High School credit (1/2 Credit will be awarded upon completion and students must qualify to take the course). Students following a career-technical pathway are exempted from the fine arts requirement.

PREPARING FOR GRADUATION

Permanent Graduation Requirements

Students in the classes of 2023 and beyond will be required to meet the permanent requirements in order to graduate. The permanent requirements are listed below:

1. **Demonstrate Competency:** Students must demonstrate competency in math and English by passing the state's Algebra I and English II tests. Students who have taken required tests more than once without passing and have received remedial supports are able to show competency through one of the options below:
 - Earn credit for one math and/or one English course through College Credit Plus;
 - Demonstrate career readiness and technical skill through foundational and supporting options;
 - Enter into a contract to enlist in the military upon graduation.
2. **Preparation for College or Careers:** Students must earn two diploma seals (see column at right), one of which must be state defined, to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions.

More information is available on the Ohio Department of Education website: education.ohio.gov.

State System of Diploma Seals
OhioMeansJobs Readiness Seal
State Seal of Biliteracy
Industry-Recognized Credential Seal
College-Ready Seal
Military Enlistment Seal
Science Seal
Honors Diploma Seal
Technology Seal
Citizenship Seal
Fine and Performing Arts Seal*
Student Engagement Seal*
Community Service Seal*

** These seals are referred to as locally defined seals. Their requirements are determined by school districts. The criteria for each seal is available in the Wayne High School Counseling Office.*



PREPARING FOR GRADUATION

Earning Credits

TRADITIONAL APPROACH TO EARNING CREDITS

Students traditionally earn credits in grades 9-12 while taking courses at Wayne High School. Some 8th graders, however, will have the opportunity to earn high school credit for Algebra I, Physical Science, Spanish I, French 1 and/or Music Appreciation and History while enrolled at Weisenborn Junior High.

COHORTS AND RECOMMENDED CREDIT ATTAINMENT

Grade level status is determined by *cohort* - when students enter ninth grade. For example, a second year student is considered a sophomore regardless of how many credits have been earned. Categorizing students by cohort makes it easier to identify the correct graduation requirements.

Although students are assigned to grade level by cohort, they must earn credits in order to graduate. Credit for all courses is awarded at the end of each semester. The semester average in each course is the grade that determines whether or not a student earns credit. It is recommended that students earn at least the number of credits by the end of the listed year in the table below to be considered on track for graduation.

Freshman Year	5 credits
Sophomore Year	10 credits
Junior Year	15 credits
Senior Year	20 Credits

Students are expected to enroll in a minimum of 5.5 units of credit per year for Freshmen, Sophomores & Juniors. Seniors are expected to enroll a minimum of 5 units of credit per year. Students are limited to 1 study hall per semester, with the expectation that all freshman, sophomores and juniors will enroll with a full schedule. The final minimum number of credits for seniors is at the discretion of the administration.

COLLEGE CREDIT PLUS (CCP)

Ohio's College Credit Plus (CCP) program allows students to earn high school and college credits simultaneously. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. CCP is a free program at public institutions; there is no cost for tuition, books or fees. Students will not be responsible for fees and tuition charged unless the student earns a failing grade or drops/withdraws after the roster date. If you choose to attend a private college or university, you may have limited costs.

Huber Heights City Schools has an agreement with Sinclair Community College to offer several college courses at Wayne

High School. Students who participate in this program have the option, however, of taking courses at Wayne, Sinclair, or any post-secondary school of their choice.

CREDIT FLEXIBILITY

Credit Flexibility provides an opportunity for students to gain skills and knowledge outside of the conventional school setting. Consequently, a student may choose to study a wide range of subjects using non-traditional methods. Under Credit Flex, students may earn graduation credit by taking an online course, proving mastery of course content, or developing an individual plan for an independent study, an internship/ field experience, community service/service learning, and/or educational travel. The Huber Heights City Schools Credit Flexibility Plan Committee will pre-approve a Personal Learning Experience application and evaluate completed projects. Please see your counselor for additional information. These credits are not NCAA eligible.

CREDIT RECOVERY

Wayne High School offers web-based educational software to students for credit recovery. A credit recovery cannot be assigned until a student has officially failed a course. This option is purely for remedial purposes. Students are encouraged to work with their counselors when considering this option. **Credit recovery classes do not meet NCAA guidelines.** Students who are planning to pursue Division I or II athletics should not participate in credit recovery. NCAA mandates that student eligibility is determined by enrollment in traditional classes.

SUMMER SCHOOL

Wayne High School offers a limited number of summer school classes. Registration typically occurs in late spring, and a fee may be charged for each course. Only one course may be taken in each summer term. Proposed dates for 2024 summer school sessions will be posted on the Huber Heights City Schools website. Families should plan their vacations outside of the summer school dates. **Requests for absences for vacations, camps, or trips will not be granted.**

EARLY GRADUATION

Students who desire to graduate in less than 4 years must submit an application for early graduation to their assigned counselor at least 9 weeks prior to their intended date of graduation. Example: December graduates must submit prior to the end of the first quarter and Spring graduates must submit prior to the end of the third quarter. Late submissions will be reviewed for the following graduation date.

PREPARING FOR GRADUATION

Additional Information

GRADING POLICY

Grades are computed on a percentage basis, ranging from 0 - 100%. Quarter, semester exam, and semester grades will be shown on report cards as letter grades according to the following scale:

A+ = 98 - 100	C+ = 78 - 79
A = 93 - 97	C = 73 - 77
A- = 90 - 92	C- = 70 - 72
B+ = 88 - 89	D+ = 68 - 69
B = 83 - 87	D = 63 - 67
B- = 80 - 82	D- = 60 - 62
	F = 0 - 59

No F+ or F- will be assigned

The semester grade is calculated in the following manner:

1st Quarter grade	= 40% of semester grade
2nd Quarter grade	= 40% of semester grade
*Semester Exam	= $\frac{20\%}{100\%}$ of semester grade

*It is departmental discretion whether a semester exam grade will be used in the final calculation of a student's grade.

Satisfactory/Unsatisfactory Courses

- Courses whose final grade is an "S" or an "U" will be explicitly stated as such in their course description located in the board approved Program of Studies.
- Graduation requirement coursework and core content coursework will never be designated as a satisfactory or unsatisfactory course.
- Satisfactory and Unsatisfactory end of semester grades will be designated as an "S" or "U" on the grade card. Neither of these designations calculate into a student's GPA.
- Satisfactory "S" end of semester grades designate the student met the class requirements and credit has been earned.
- Unsatisfactory "U" end of semester grades designate the student did not meet the class requirements and no credit has been earned.

VALEDICTORIAN AND SALUTATORIAN SELECTION

To encouraging outstanding academic achievement, the Board will recognize a valedictorian and a salutatorian for each high school graduating class.

The valedictorian is the graduating senior with the highest weighted cumulative grade point average during high school. The salutatorian is the graduating senior with the second highest weighted cumulative grade point average.

Selection of valedictorian and salutatorian is based on weighted cumulative grade point average (GPA) for the first seven semesters of high school work. Only eight-semester graduates will be considered for valedictorian and salutatorian of the class. The Board authorizes a system of class rank, by grade point average, which is calculated each semester based on the grades earned for all eligible high school credit classes.

Transfer students from a public, or private school shall have no established class rank for purposes of graduation honors, such as Valedictorian, etc., until they have completed four(4) semesters at Wayne High School. Students must be enrolled for three (3) consecutive semesters prior to the final semester utilized for the purpose of determining such honors.

Home educated students must have earned a minimum of 20 credits as required by the state of Ohio through enrollment at Wayne High school before they can be considered for Valedictorian, ect. Students must be enrolled for three (3)consecutive semesters prior to the final semester utilized for the purpose of determining such honors.

Students whose curriculum has been significantly modified are not eligible to receive Valedictorian or Salutatorian honors.

HONOR CORD

Honor cords are awarded to all seniors who have earned an *unweighted* cumulative grade point average of 3.5 or higher.

PRESIDENTIAL AWARD

The Presidential Award is earned by seniors who have earned an unweighted cumulative grade point average of 3.5 or higher. Students must also score at least "ACCELERATED" (4 points) on the Algebra I or Geometry end of course tests, or at least "ACCELERATED" (4 points) on English II end of course assessments.

PREPARING FOR GRADUATION

HONORS DIPLOMA

High school students can gain state recognition for exceeding Ohio's graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level coursework and in real-world experiences. Ohio offers 6 honors diploma options:

- Academic
- Career Tech
- STEM
- Arts
- Social Science & Civic Engagement
- International Baccalaureate (IB)

Wayne High School students have the opportunity to choose to pursue any of these diplomas except the International Baccalaureate (IB), as we are not a participant in this global program.

ODE has updated honors diploma requirements for the Class of 2026. Please see the chart on p. 15-17 for current and new requirements.



SCHOOL FEES

School fees are for consumable items used by students in class. Fees may apply for items such as workbooks, computer paper, ink cartridges, lab supplies in science classes, or novels in English. Fees are determined by the actual cost of the items.

School fees may also include reimbursement for lost or damaged books and equipment. These fees, however, are billed separately to the student's account. It is the student's responsibility to return all books, equipment, and uniforms. **Items left in lockers at the close of the school year will be considered lost and billed to the student's account.**

Fees are printed on class schedules, and those **fees are listed per semester**. Fees may be paid daily at the Bursar's Office. Checks or money orders should be made payable to Huber Heights City Schools. **Checks will not be accepted after the fourth quarter has begun.**

School fees may also be paid online at the following Internet address: **www.payforit.net**

Official transcripts for colleges and requests for records from other schools will not be sent if fees are owed. Fees will carry over from year to year.

Students will not be permitted to participate in graduation if fees are not paid.

NOTE: School fees are subject to change pending Board Approval.

INSTRUCTIONAL FEE WAIVERS

A fee waiver is available to any student who qualifies for free meals. Applications are available to students at the beginning of every year through the Bursar's Office. Information regarding eligibility for fee waivers remains confidential.

FOREIGN EXCHANGE STUDENTS

The sponsoring exchange organization must contact the principal of Wayne High School to request acceptance of the prospective exchange student. The sponsor shall provide written assurance that the exchange student meets all criteria for eligibility for the program outlined by federal law. The required school registration documentation must be completed through Final Forms. The school counselor will be notified once this process is completed. A schedule will be built based on the official transcript of the exchange student. All exchange students will be classified as a junior, however, they may take part in any activity as a senior (i.e. graduation ceremony).

PREPARING FOR GRADUATION

SCHEDULING GUIDELINES

The scheduling of classes for the following school year starts shortly after the beginning of second semester. Teacher advising days and course selection occur in January or February, and all students should have their course request forms completed at that time. Schedules are entered into the computer system and refined throughout the summer. Students receive their schedules when school resumes in August.

The following are the steps taken when scheduling classes:

Step 1: Students list program and course requests on the Student Course Request Form.

Step 2: On Teacher Advising Day, students confer individually with teachers to discuss courses for the following year. Teachers will initial their recommendations.

Step 3: Students will meet with their assigned counselor during English classes to review course selections.

Step 4: Student request verification slips will be sent home via the student to obtain parental signatures. Any unreturned verification forms will be deemed to be parent approved.

COURSE SELECTION

With the help of parents, teachers and counselors, it is advisable to make a plan for as many years as possible and then fit required subjects and electives into your Course Planning Guide (p. 5 & p. 66). Before selecting classes, please consider the following points:

1. **Read this Program of Studies very carefully.**
2. Plan a sequence of required and elective courses to meet graduation requirements and post-high school plans.
3. Discuss possible classes with teachers, parents and counselors.
4. Sign up for six (6) classes per semester.
5. Make final course selections in relation to abilities and interests.



GUIDELINES FOR SCHEDULE CHANGES

1. The student should obtain a Schedule Change Request Form from the counselor. This form should be completed with all required statements and signatures and returned to the student's counselor. **Student athletes are required to carry a schedule of at least five credit hours.**
2. If an administrator deems that a schedule change is appropriate, students may withdraw from a course no later than:
 - a. the tenth (10th) school day of a first semester or year-long course, or
 - b. the fifth (5th) school day of a second semester course. Students who are permitted to withdraw from a course after the above stated deadlines will receive a final grade of "F", and the grade will be used in the calculation of the cumulative grade point average. This course will be part of the permanent record and will be posted on all transcripts.
 - c. Students opting for an honors course will follow the same guidelines if requesting to move to an academic course.
3. A student who wishes to add a class may be permitted to do so by contacting his/her counselor. After the start of school, many classes may be full or conflict with other courses. The student may not add a class after the tenth (10th) school day of a first semester or yearlong course, or the fifth (5th) school day of a second semester course.
4. **Requests for teacher changes will not be considered.**



PREPARING FOR GRADUATION

Honors, Advanced Placement (AP®) and College Credit Plus (CCP)

Wayne High School offers several advanced courses for students who are academically motivated to increase the challenge of their studies. Students who participate in honors, AP®, or CCP classes have increased academic responsibilities, including activities such as independent study and research, accelerated learning, and supplementary reading and/or writing. Many students have successfully handled several advanced courses in a single year while being involved in extracurricular activities as well. Such efforts, however, require dedication, additional time, and some sacrifice.

Students may enroll in CCP courses at any accredited institution in Ohio but Huber Heights City Schools has an agreement with Sinclair Community College to offer several CCP courses at Wayne. Students who opt to participate in this program may be taught by a Wayne High School teacher or a Sinclair instructor, and can receive both high school and college credit without leaving the high school campus.

- A WHS instructor has been approved by Sinclair to teach as a Sinclair Community College instructor.
- Students must meet Sinclair's enrollment requirements.
- Students will take courses with the possibility to earn both high school and college credit concurrently.
- Students will not be responsible for any fees and tuition charged by Sinclair Community College unless the student earns a failing grade or drops/withdraws after the roster date.
- Limited enrollment is available at Wayne HS. Priority will be given to seniors/upperclassmen.

GRADING FOR HONORS, AP®, and CCP COURSES

Grades for honors, AP®, and **most** CCP courses are weighted. Weighted grading is a system of evaluating academic achievement on the basis of the level of the difficulty of the course taken. Per state guidelines, CCP courses must be weighted if honors and AP courses in the same subject area are weighted. For example, Wayne offers honors and AP classes in English, therefore all English CCP classes must be weighted. Because Wayne does not offer advanced business courses, however, CCP business classes cannot be weighted (ORC. 3365.04). Additional information is available at ohiohighered.org.

OTHER AWARDS/HONORS

AP®, HONORS, and CCP*	GENERAL
A = 5 points	A = 4 points
B = 4 points	B = 3 points
C = 3 points	C = 2 points
D = 2 points	D = 1 points

AWARDS/HONORS	REQUIRED GPA
Honor Roll	3.25 (per nine-week grading period)
Academic Letters	3.50 (for each of the first 3 nine-week grading periods of each school year)
Honor Society	3.60 (cumulative)
Principal's List	4.00 (per nine-week grading period)
Renaissance	3.25 (Red Card, per nine-week grading period)
	3.80 (Gold Card, per nine-week grading period)

PREPARING FOR GRADUATION

Honors, AP® and CCP Course Offerings

ENGLISH LANGUAGE ARTS

Honors Freshman English
Honors Sophomore English
AP® English Language and Composition
AP® English Literature and Composition
CCP ENG 1101 English Composition I
CCP ENG 1201 English Composition II

FINE ARTS

AP® Studio Art: 2D Design

MATH

Honors Algebra I
Honors Geometry
Honors Algebra II
AP® Pre-Calculus
AP® Calculus
AP® Statistics
CCP MAT 1470 College Algebra

PROJECT LEAD THE WAY (PLTW)

Honors Principles of Biomedical Science
Honors Human Body Systems
Honors Biomedical Innovation
Honors Medical Interventions
Honors Principles of Engineering
Honors Digital Electronics
Honors Aerospace Engineering

SCIENCE

Honors Biology
Honors Physical Science
Honors Chemistry
Honors Human Anatomy
Honors/AP® Physics
AP® Chemistry
AP® Biology

SOCIAL STUDIES

Honors Modern World History
Honors American History
Honors American Government
Honors African American Studies
AP® American History
AP® US Government and Politics
CCP PSY 1100 General Psychology
CCP SOC 1101 Introduction to Sociology
CCP HIS 1102 United States History II
CCP PHI 2206 Introduction to Ethics
CCP HIS 1112 Western Civilization II

WORLD LANGUAGES

Honors French III
AP® French
Honors Spanish III
AP® Spanish
CCP ASL 1111 Beginning American Sign Language I
CCP ASL 1112 Beginning American Sign Language II
CCP ASL 1228 Intermediate American Sign Language I

Gifted Services

Gifted Services at Wayne High School are offered through the advanced coursework offerings above (Honors, Advanced Placement, College Credit Plus). CCP courses offered at Sinclair may count as service if it matches a student's area of identification.

- A student who is identified as gifted in the areas of Superior Cognitive Ability and or Creative Thinking may be challenged through any of the courses listed above.
- A student identified as gifted in specific academic areas should enroll in a course listed in the academic area.
 - Science: select a Project Lead the Way and or Science course
 - Visual / Performing Arts- Fine Arts and or a specialized course such as Advanced Drawing, Advanced Painting, and Advanced Ceramics & Sculpture
 - Music: specialized courses such as Varsity Choir, Choraliers, Symphonic Band, Wind Ensemble, and Jazz Band

HONORS DIPLOMAS

Criterion	Ohio Diploma	Academic Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma	Social Science & Civic Engagement Honors Diploma
Math	4 units, must include one unit of Algebra II or equivalent	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content ⁴	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content
Science	3 units	4 units, including two units of advanced science ²	4 units, including two units of advanced science ²	5 units, including two units of advanced science ²	3 units, including two units of advanced science ²	3 units, including two units of advanced science ²
Social Studies	3 units	4 units	4 units	3 units	3 units	5 units
World Languages	N/A	3 units of one world language, or no less than 2 units each of two world languages	2 units of one world language	3 units of one world language, or no less than 2 units each of two world languages	3 units of one world language, or no less than 2 units each of two world languages	3 units of one world language, or no less than 2 units each of two world languages
Fine Arts	2 semesters	1 unit	N/A	1 unit	4 units	1 unit
Electives	5 units	N/A	4 units of Career-Technical minimum ³	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WorkKeys¹	N/A	27 ACT/1280 SAT ⁸	27 ACT/1280 SAT ⁸	27 ACT/1280 SAT ⁸	27 ACT/1280 SAT ⁸	27 ACT/1280 SAT ⁸

Additional Requirements

- The Career Tech Honors Diploma, STEM Honors Diploma, Arts Honors Diploma and Social Science & Civic Engagement Honors Diploma all have additional criterion in field experience, a portfolio or additional assessments.
- ODE has updated the requirements for earning an honors diploma for **The Class of 2026 and beyond**.
- Both of these additional requirements can be found on the next page.

Additional requirements for the Career Tech Honors Diploma, STEM Honors Diploma, Arts Honors Diploma and Social Science & Civic Engagement Honors Diploma.

Criterion	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma	Social Science & Civic Engagement Honors Diploma
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student's area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student's area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student's area of focus ⁵
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶
Additional Assessments	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

Additional requirements for the Class of 2026 and beyond:

Criterion	Academic Honors Diploma	STEM Honors Diploma	Arts Honors Diploma	Social Science & Civic Engagement Honors Diploma	Career Tech Honors Diploma
Math	Fourth Math > Algebra 2				
Science	One additional unit of Advanced Science	One additional unit of Advanced Science	n/a	n/a	n/a
Additional Coursework	One additional unit of Social Studies	Two units of additional Stem courses as electives	Two units of Fine Arts electives	n/a	n/a
World Language	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied				Two units of one world language
GPA	3.5 on a 4.0 scale				
ACT/SAT / WorkKeys/ Proficiency Exams	ACT: Score of 27 or higher, SAT: Score of 1280 or higher				
					Workkeys: Earn a score of six or higher on all three sections of the WorkKeys assessment. Earned a cumulative score of proficient or higher on the technical assessments aligned to their program
Seals	Earn two additional diploma seals, not including Honors Diploma Seal	Earn the Industry-Recognized Credential Seal or Fine Arts Seal	Earn the Fine Arts Seal	Earn the Community Service Seal & Citizenship Seal	Earn the Industry Recognized Credential Seal or Technology Seal
Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning				

HONORS DIPLOMAS (continued)

Notes

- Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.
- Students must meet all but one of the criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met.
- Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including: ½ unit physical education (unless exempted), ½ unit health, ½ unit in American history, ½ unit in government, ½ unit in world history and civilizations and 4 units in English.

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

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

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

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

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

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

OHSAA AND NCAA ELIGIBILITY REQUIREMENTS

Ohio High School Athletic Association (OHSAA) Eligibility Requirements

In accordance with the Ohio High School Athletic Association (OHSAA), students who wish to participate in sports at Wayne High School must pass the equivalent of five (5) full-credit classes the previous grading period and maintain passing grades in five (5) full-credit classes during the season. **Physical education classes are not considered full credit classes. Additionally, credit recovery classes do not count in the total number of classes toward eligibility.**

Any student with a grade point average of less than **2.0** during the previous grading period will be ineligible to practice or participate in athletic/interscholastic extracurricular activities for the following grading period. Fourth quarter grades determine eligibility for the first quarter (fall season of the following school year). Additionally, weekly eligibility checks will be completed by the athletic director or designee for all athletes in grades 7-12.

NCAA Eligibility Requirements

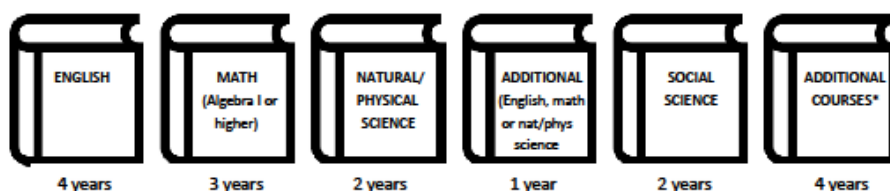
If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

To fully qualify at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your **core course** GPA. The NCAA Eligibility Center calculates your grade point average (GPA) based on the grades you earn in NCAA-approved core courses. Division I requires a minimum 2.3 GPA; Division II a minimum 2.2 GPA. Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about eligibility at ncaa.org/student-athletes/future.

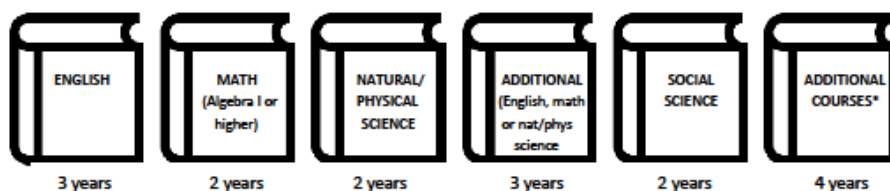
Take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you register to take a test. If you take a test more than once, the best scores from each test section will be used to create your sum score. NCAA only accepts official scores only from ACT and the College Board; they won't use scores shown on your high school transcript.

DIVISION I

Complete 10 NCAA core courses, including 7 in English, math or natural/physical science, before your seventh semester.



DIVISION II



* Any area listed above, foreign language or comparative religion/philosophy.

PREPARING FOR GRADUATION

NCAA-Approved Courses

ENGLISH LANGUAGE ARTS

Freshman English
Honors Freshman English
Sophomore English
Honors Sophomore English
Creative Writing
Multicultural Literature
Junior English
Senior English
AP® English Language and Composition
CCP ENG 1101 English Composition I
CCP ENG 1201 English Composition II
CCP LIT 2220 Introduction to Literature

MATH

*Algebra IA
*Algebra IB
Algebra I
Honors Algebra I
Geometry
Honors Geometry
Algebra II
Math Modeling & Reasoning
Honors Algebra II
Algebra III
AP® Pre-Calculus
AP® Calculus
AP® Statistics
CCP MAT 1470 College Algebra

SCIENCE

Physical Science
Honors Physical Science
Biology
Honors Biology
Chemistry
Honors Chemistry
Environmental Science
Human Anatomy and Physiology
Honors Human Anatomy and Physiology
Material Science
Physics I
Honors/AP® Physics
AP® Biology
AP® Chemistry
Honors Principles of Biomedical Science
Honors Human Body Systems
Honors Principles of Engineering

SOCIAL STUDIES

Modern World History
Honors Modern World History
Honors American History
American History
AP® American History
American Government
Honors American Government
AP® US Government and Politics
African American Studies I
African American Studies II
Honors African American Studies
Geography
Psychology I
Psychology II
Sociology
CCP PSY 1100 General Psychology
CCP SOC 1101 Introduction to Sociology
CCP HIS 1102 United States History II
CCP PHI 2206 Introduction to Ethics
CCP HIS 1112 Western Civilization II

ADDITIONAL COURSES

Economics
French I
French II
French II
Honors French III
French IV/AP® French
Spanish I
Spanish II
Spanish III
Honors Spanish III
Spanish IV/AP® Spanish
CCP ASL 1111 Beginning American Sign Language I
CCP ASL 1112 Beginning American Sign Language II
CCP ASL 1228 Intermediate American Sign Language I

*Algebra IA & Algebra IB count as a half-year each.

Miami Valley Career Technology Center

MVCTC offers two-year vocational and technical programs that enable students to gain skills, positive work habits, and attitudes so each student may obtain an entry-level job upon graduation. Wayne students who attend MVCTC work toward a certificate/credential in their programs as well as a Wayne High School diploma. As required by Ohio Revised Code 3327.01, transportation is furnished by Huber Heights City Schools. Students are also encouraged to participate in Wayne High School extracurricular activities that occur after school hours.

The school day is quite unlike that of a comprehensive high school day. Lab is a period of activity similar to being on-the-job, but in school. Students have equipment and supplies to perform many jobs as they would in a place of business. The classroom instruction covers information related to what is being performed in the lab. Academic credits are also available, but not limited to, the core areas of English, math, science, and social studies. In most programs, students may co-op during the second semester of their senior year. They are placed in an on-the-job training station outside of school for part of the school day in an area related to their program for which they will receive pay.

Building and construction trade programs offer apprenticeships to eligible juniors. Selected students may begin their apprenticeships as early as May of their junior year or the following summer. Doing so allows the student to serve a year in the apprenticeship prior to graduation and get an excellent start on working toward the journeyman status in the chosen trade.

Specific Skills-Based Programs

Training is available in approximately 40 different areas at the MVCTC. Wayne students may attend MVCTC full time during their junior and senior years. During their last semester, they “co-op” or work part of the day for an employer. A full-time placement counselor helps to match graduating students with employment. Other MVCTC graduates choose to go on to college.

Tech-Prep programs have been developed to include two years at MVCTC coupled with two years at Sinclair Community College where students earn an associate degree. Some of these students go on to earn a baccalaureate degree at a four-year college or university.

Students may apply to MVCTC during the sophomore year. **Important factors in being accepted by MVCTC are:**

- good attendance in 9th and 10th grade,
- good academic standing and satisfactory progress in earning credits toward graduation, and
- interest from student and parent(s)/guardian(s) as shown by attendance at MVCTC orientation meetings and the December MVCTC Open House.

In two years at MVCTC students will earn:

- 2 credits in English
- 2 credits in math
- 1 or more credits in science and additional elective credits (varies by program)
- 1 credit in social studies

It is recommended that students complete English 9, English 10, Algebra I, Geometry, Physical Science, Biology, World History, American History, Physical Education I and II, Health, Financial Literacy, and one year of fine art prior to attending MVCTC.

MIAMI VALLEY CAREER TECH CENTER

- Offer 43 programs in 13 career fields.
- Entrance occurs Junior Year
- 5 Satellite Programs available at Wayne High School + Engineering, Automation, Manufacturing and Biomedical Science

Advanced Manufacturing

- Pre-Engineering
- Precision Machining
- Robotics and Automation
- Welding

Wayne High School:

- **Welding p. 38**
- **Engineering, Automation and Manufacturing p. 34/35**

Building and Construction

- Architectural Design
- Construction Carpentry
- Electrical Trades
- HVAC
- Heavy Equipment Operator

Wayne High School:

- **Construction Technology p. 33**
- **HVAC p. 36**

Health

- Biotechnology
- Dental Assisting
- Health Occupations
- Medical Lab Assisting
- Pre-nursing
- Sports Medicine

Wayne High School:

- **Biomedical Science p. 32**

Agriculture

- Agriculture and Livestock Production
- Animal Care and Management
- Diesel Power Technologies
- Natural Resource Management
- Retail Agriculture Services
- Veterinary Science

Wayne High School:

- **Agriculture p. 30**

Business and Information Technology

- Business Ownership
- Computer Coding and Web Apps
- Computer Network & Cybersecurity
- Computer Repair and Tech Support
- Drones and GIS Technology
- Medical Office Management
- Pre-Law and Legal Studies
- Sports Management and Marketing

Human Services

- Cosmetology
- Culinary Arts
- Early Childhood Education
- Hospitality Services

Public Safety

- Criminal Justice
- Firefighter/EMS

Arts and Communication

- Digital Design
- Graphic Commercial Art
- Graphic Commercial Photography
- Media and Video Production

Wayne High School:

- **Interactive Media p. 37**

Transportation Systems

- Auto Collision
- Auto Services
- Automotive Technology
- Aviation Maintenance Technician

NOTE FOR COLLEGE BOUND STUDENTS:

- Most four-year colleges require the completion of two credits of the same foreign language and one credit of fine arts for admission, even for students who are following a career-technology path. It is suggested that college-bound students consult each college they are considering for specific admission requirements.









HUBER HEIGHTS

PATHWAYS

Pathway

Middle School

High School

<div>Environmental</div> <div></div>	<div>Career Tech Intro Lab</div> <div>Career Connections</div>	<div>Ag, Food and Natural Resources</div> <div>Plant and Horticulture Science</div> <div>Landscape Systems Management</div> <div>Agricultural Business</div>	<div>Environmental Science</div> <div>Biology</div> <div>Anatomy and Physiology</div>
<div>Skilled Trades</div> <div></div>	<div>Career Tech Intro Lab</div> <div>Design and Modeling</div> <div>Career Connections</div>	<div>Intro to Welding</div> <div>Intro to 3D Printing & Design</div> <div>Intro to HVAC</div> <div>Intro to Construction</div> <div>Intro to Robotics</div> <div>Engineering/Automation/Manufacturing Pathway</div>	<div>HVAC Year 1 and 2</div> <div>Welding Year 1 and 2</div> <div>Construction Year 1 and 2</div> <div>Math for Trades</div>
<div>Business</div> <div></div>	<div>Intro to French</div> <div>Intro to Spanish</div> <div>Career Connections</div>	<div>Accounting 1A and 1B</div> <div>Business Foundations</div> <div>Business Law</div> <div>Business Management</div> <div>Sports Management & Operations</div> <div>Mat 1470: College Algebra</div> <div>Entrepreneurship</div> <div>Financial Literacy 1 & 2</div> <div>Principles of Marketing</div> <div>Digital Commerce</div> <div>Economics</div> <div>Public Speaking</div>	
<div>Public Service</div> <div></div>	<div>Career Connections</div>	<div>AFJROTC I,II,III,IV, DC</div> <div>US History</div> <div>Psychology & Sociology</div> <div>US Government & Politics</div> <div>African American History</div> <div>Teacher Academy</div> <div>HIS 1102: US II</div> <div>HIS 1112: West Civ II</div> <div>Intro to Ethics</div> <div>World History</div> <div>Current Events</div> <div>World Geography</div> <div>Economics</div> <div>Forensics I & II</div> <div>Public Speaking</div>	
<div>Communications</div> <div></div>	<div>Intro to French</div> <div>Intro to Spanish</div> <div>Career Connections</div>	<div>AP English Language & Composition</div> <div>AP English Literature & Composition</div> <div>Eng 1101 & Eng 1201: Composition</div> <div>LIT 2220: Intro to Literature</div> <div>Publication Design</div> <div>Principles of Marketing & Digital Commerce</div> <div>Journalism & Writing</div> <div>Creative Writing</div> <div>Multicultural Literature</div> <div>Public Speaking</div> <div>French or Spanish I,II,III,IV</div> <div>ASL 1111, 1112 and 1128</div>	
<div>Health Services</div> <div></div>	<div>Intro to Biomedical Science</div> <div>Health</div> <div>Physical Education</div> <div>Career Connections</div>	<div>Principles of Biomedical Science</div> <div>Human Body Systems</div> <div>Medical Interventions</div> <div>Biomedical Innovations</div> <div>Biology</div> <div>Human Anatomy & Physiology</div> <div>Sports Medicine</div> <div>Psychology</div> <div>Physical Education</div> <div>Conditioning</div> <div>Health</div>	
<div>Arts</div> <div></div>	<div>Music Appreciation</div> <div>General Music</div> <div>Percussion</div> <div>Career Tech Intro Lab</div> <div>Band</div> <div>Choir</div> <div>Art 1</div> <div>Art 2</div>	<div>Advanced Ceramics & Sculpture</div> <div>AP Studio Art: 2D Design</div> <div>Intro to Music Audio & Video</div> <div>Music Appreciation</div> <div>Advanced Drawing or Painting</div> <div>Choir</div> <div>Band</div> <div>Art 1 & 2</div> <div>Creative Writing</div> <div>Drama</div> <div>Video & Photo Production</div> <div>Digital Design</div> <div>Creating Digital Media</div> <div>Media Production</div> <div>Dystopian Literature</div>	
<div>STEM</div> <div></div>	<div>Career Tech Intro Lab</div> <div>Design and Modeling</div> <div>Intro to Computer Science</div> <div>Intro to Biomedical Science</div> <div>Computer Science II</div>	<div>Intro to Engineering</div> <div>Principles of Engineering</div> <div>Digital Electronics</div> <div>Aerospace Engineering</div> <div>Computer Integrated Manufacturing</div> <div>Intro to 3D Printing & Design</div> <div>Intro to Robotics</div> <div>MAT 1470: College Algebra</div>	<div>Forensics I & II</div> <div>Pre-Calculus</div> <div>Calculus</div> <div>Physics</div> <div>Chemistry</div>

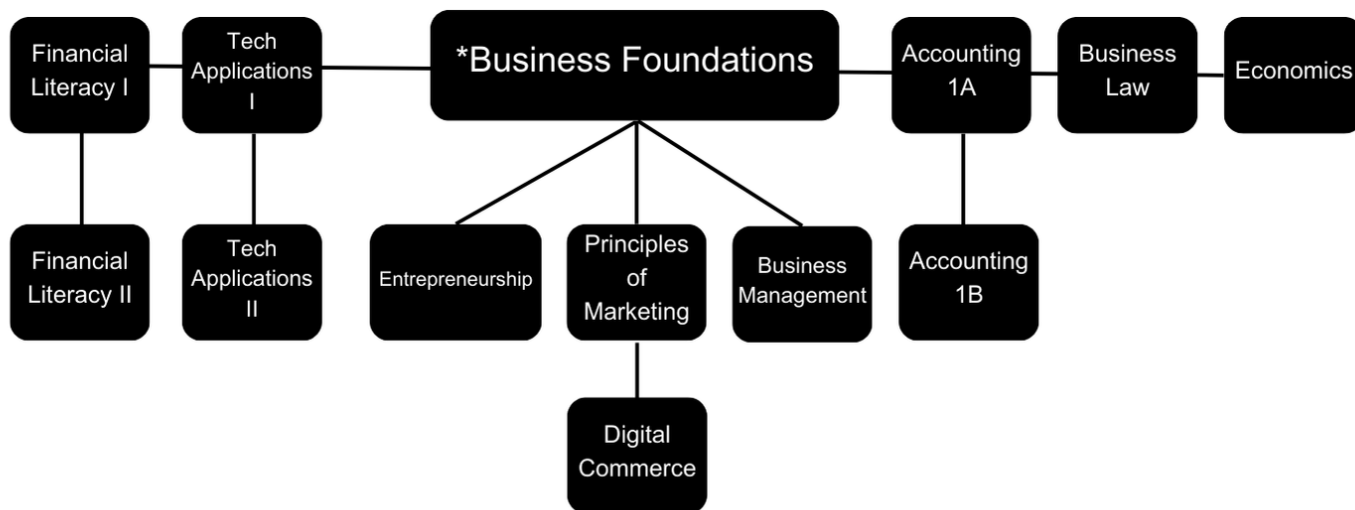
Business

No matter what your interests may be, everyone can benefit in learning how to be business savvy. Wayne's business curriculum will provide a general overview that will prepare you for success in pursuit of a business degree or provide a solid foundation in any career or your choice.

Course Options by Grade Level				
Grade 9	<ul style="list-style-type: none">• Business Foundations• Entrepreneurship• Principles of Marketing• ¹Technical Applications I & II			
Grade 10		<ul style="list-style-type: none">• Accounting 1A• Accounting 1B• Business Management	<ul style="list-style-type: none">• Career Exploration• Financial Literacy I• Digital Commerce	
Grade 11				<ul style="list-style-type: none">• Economics• Financial Literacy II• Business Law
Grade 12				

¹Although open to juniors and seniors, this course is recommended for freshmen and sophomores.

BUSINESS	COURSE SEQUENCE
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*Business Foundations is a pre-requisite for Entrepreneurship, Principles of Marketing, Business Management and Digital Commerce



BUSINESS DEPARTMENT

COURSE DESCRIPTIONS

15-3115 BUSINESS FOUNDATIONS

SEM

Prerequisite: None
Fee: None

Grades: 9, 10, 11, 12
Credit: ½ per sem

This course explores all parts of business. Students will take the role of a small business owner to design and develop a business plan for their own food truck or other business. This course is recommended for any student looking for an introduction to business topics.

20-1555 TECHNICAL APPLICATIONS I

SEM

Prerequisite: None

Grades: 9, 10, 11, 12
Credit: ½ per sem

Students will become proficient in using Google Docs, Sheets, Slides, and Forms. Topics covered will include professional etiquette when using email along with customizing email accounts. Eligibility for a graduation seal

20-2555 TECHNICAL APPLICATIONS II

SEM

Prerequisite: Tech Apps 1

Grades: 9, 10, 11, 12
Credit: ½ per sem

Students will become proficient in using Microsoft Word, Excel, and Powerpoint. Outline the similarities and differences of Google and Microsoft will be covered in this course. By the end of this course, students will be knowledgeable enough to take the Microsoft Specialist test. Eligibility for a graduation seal

20-3555 Entrepreneurship

SEM

Prerequisite: Business Foundations
Fee: None

Grades: 9, 10, 11, 12
Credit: ½ per sem

Students will gain knowledge and skills necessary for owning and operating a successful business. Students will build upon knowledge from Business Foundations to further their understanding of the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea, and developing a plan to organize and promote a business and its products.

15-3355 PRINCIPLES OF MARKETING

SEM

Prerequisite: Business Foundations
Fee: None

Grades: 9, 10, 11, 12
Credit: ½ per sem

This course facilitates student learning of marketing concepts, introducing fundamental topics such as marketing functions, marketing mix and planning for a marketing career.

20-4555 DIGITAL COMMERCE

SEM

Prerequisite: Business Foundations
& Principles of Marketing

Grades: 10, 11, 12
Credit: ½ per sem

Fee: None

This course is a combination of e-commerce and social media marketing. In this course, students will explore the nature of e-commerce, internet security and marketing in the digital world. They will create a website for the business they started in Business Foundations and learn how to utilize social media to market their business.



BUSINESS DEPARTMENT

COURSE DESCRIPTIONS

15-3055 FINANCIAL LITERACY I

SEM

Prerequisite: None
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course will develop a basic understanding of the importance of personal financial matters and how to make sound financial decisions. Topics include financial responsibility, planning/budgeting and money management, consumer choices and purchasing decisions, investing, credit, and insurance. *This course is a graduation requirement for the Class of 2026 and beyond.*

15-3056 FINANCIAL LITERACY II

SEM

Prerequisite: Financial Literacy I
A fee is required.

Grades: 11, 12
Credit: ½ per sem

This course is for students who took Financial Literacy I and would like a refresher for financial success after graduation. Students will have a choice in topics that will be covered for deeper understanding as this course is designed around the student's interests.

15-2055 CAREER EXPLORATION

SEM

Prerequisite: None
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

In the Career Exploration program, students use the YouScience Interest Inventory, to discover and evaluate careers that align with their strengths and passions. They will delve into researching the best postsecondary education and training options for a successful career. Students will have the invaluable opportunity to connect with professionals, craft compelling pitches, and career portfolios, and engage in realistic mock interviews. *Students have the opportunity to gain the Ohio Means Jobs Readiness Seal.*



15-3255 BUSINESS MANAGEMENT

SEM

Prerequisite: Business Foundations
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

Students examine the 5 real-world organizational management functions of planning, leading, organizing, staffing, and controlling in a variety of today's industries. Students learn real life concepts and how resources are managed effectively and efficiently in order to achieve the organization's goals and objectives. Course includes hands-on class projects in leadership and team functions as well as project-based work. (May not be offered every year)

20-3256 ECONOMICS

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

Economics is a study of the U.S. economic system and what, where, how, and how much should be produced for citizens' consumption and profit. Emphasis will be on how business and labor are organized, and how government affects private enterprise.

15-3155 BUSINESS LAW

SEM

Prerequisite: None
A fee is required.

Grades: 11, 12
Credit: ½ per sem

This course is designed to acquaint the student with the laws that govern his/her day-to-day activities as a citizen, consumer, and employee. Areas of focus include purpose and aspects of law, the court system, criminal law, and the essentials of a contract. Students who take this course will better understand the legal world in which they live. (May not be offered every year)



15-2115 ACCOUNTING 1A

SEM

Prerequisite: None
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

Introductory-level course in the basic fundamental principles of accounting for **service businesses organized as proprietorships**. Students will learn the basic fundamentals of accounting such as the accounting equation, debit and credit theory and the accounting cycle. Students will interpret business transactions in order to journalize and post correctly to prepare and interpret financial statements.



15-2116 ACCOUNTING 1B

SEM

Prerequisite: Accounting 1A
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course is designed for students who have taken Accounting 1A and want a more in-depth and advanced comprehensive understanding of the accounting fundamentals for **merchandising businesses organized as a corporation**. This course builds on the fundamentals learned in Accounting 1A with the introduction of new corporate-level sales and revenue accounts as well as payroll and taxes. Note that students who will be taking college level accounting or want to run their own business will need both 1A and 1B to gain a comprehensive understanding of the fundamentals of accounting.



Where Do I Take Career Tech Courses?

- The Miami Valley CTC offers 43 Career Tech Programs in 13 career fields. See page 21 for an overview of MVCTC offerings.
- Wayne High School offers 7 Career Tech Programs in 6 career fields.

What is Career Tech?

Career Tech inspires students to identify paths to future success and provides students opportunities to demonstrate the knowledge and skills necessary for high school graduation and beyond. Students learn through career exploration, take college courses and earn industry credentials. They receive customized learning that matches their passions and interests with their career aspirations. Please visit the [Ohio Department of Education's Career Tech Page](#) to learn more.

What Are the Benefits of Taking Career Tech Courses?

- Prepares students for the world of work by introducing them to workplace competencies and makes academic content accessible to students by providing it in a hands-on context.
- Students can earn college credit by passing end of course exams.
- Students can earn certifications, licensure or credentials in various programs.
- Students are exempted from the Fine Arts Graduation Requirement by completing one credit or one year of coursework in a coherent, sequential, career-technical track.
- Students can earn **\$3,000 SCHOLARSHIP TO SINCLAIR COMMUNITY COLLEGE** based on the following:
 - Earn a cumulative high school GPA of 2.25 Junior year and the first semester of Senior year.
 - Complete three or more CTE courses, or two courses in a single pathway, and graduate from high school.
 - Have a completed Tech Prep Application on file and complete the FAFSA annually.

Aren't Sure of Which Path to Take?

- Try out one of the many introductory elective courses offered at Weisenborn Junior High School or Wayne High School.
- Introductory course descriptions are on page 27 & 28 as well as each pathway's page in the program of studies.

INTRODUCTORY COURSE OFFERINGS:

- | | |
|---|---|
| • Introduction to Biomedical Sciences (p. 28) | • Introduction to Construction Technologies (p. 29) |
| • Introduction to Computer Science (p. 28) | • Introduction to HVAC (p. 29) |
| • Design and Modeling (p. 28) | • Introduction to Welding (p. 29) |
| • Career Tech Intro Lab (p. 28) | • Introduction to 3D Printing and Design (p. 29) |
| • Career Connections (p. 28) | • Introduction to Robotics (p. 29) |
| • Computer Science II (p. 28) | • Ag, Food and Natural Resources (p. 30) |
| | • Digital Design (p. 37) |
| | • Honors Principles of Biomedical Science (p. 32) |

WEISENBORN INTRODUCTORY CAREER TECH

COURSE DESCRIPTIONS:

CAREER TECH INTRO LAB

SEM

Prerequisite: None

Grade: 8

A fee is required.

The Career Tech Lab course will be a high-interest, project-based course that will begin with an introduction to You Science and provide students with the opportunity to complete projects that expose students to a sample of career tech offering. The semester long course will allow students to sample the following career pathways: Agriculture, Construction Trades, HVAC, Interactive Multi Media, and Welding. This class will help prepare students for opportunities offered at Wayne.

INTRODUCTION TO COMPUTER SCIENCE

SEM

Prerequisite: None

Grade: 7,8

A fee is required.

Students learn about programming for the physical world by blending hardware design and software development. Using microcontrollers with inputs and outputs, they develop code that brings their physical designs to life. At the conclusion of physical computing systems, students learn and apply computational thinking and technical knowledge and skills to create mobile apps. Students also acquire and apply skills pertaining to the design process, problem solving, persistence, collaboration, and communication.

INTRODUCTION TO BIOMEDICAL SCIENCE

SEM

Prerequisite: None

Grade: 7,8

A fee is required.

Exploration of biomedical science *and* engineering take place in this class. During the first part of this course, students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health. During the second phase of this course, students apply the concepts of physics, chemistry, nanotechnology to STEM activities and projects. Students create an electron portfolio to showcase their innovative solutions.

CAREER CONNECTIONS

SEM

Prerequisite: None

Grade: 8

This course shows students how classroom learning translates into marketable skills. Through hands-on learning and local business involvement, students will engage in career-related experiences to acquire basic skills in various career fields. These opportunities provide students with tangible experiences to begin career decision making. Students will engage with the YouScience platform to understand and appreciate their strengths and interests. Topics include: soft skills, compensation packages, two & four year degree options, military, apprenticeship, work based training and job shadowing.

DESIGN & MODELING

QUARTER

Prerequisite: None

Grade: 7

A fee is required.

Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. Using Autodesk® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions. Students will have the opportunity to print 3D images of at least one of their creations.

COMPUTER SCIENCE II

SEM

Prerequisite: Intro to Computer Science

Grade: 8

A fee is required.

This course expands upon the topics covered in the intro course and aims to empower students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. This course take a wide lens on computer science by covering topics such as programming, web development, design and data. The course inspires students as they build their own websites, apps, and games.

WAYNE INTRODUCTORY CAREER TECH COURSE DESCRIPTIONS:

50-3000 INTRO TO CONSTRUCTION TECHNOLOGIES SEM

Prerequisite: None Grades: 9,10
A fee is required. Credit: ½ per sem

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

50-2000 INTRODUCTION TO HVAC SEM

Prerequisite: None Grades: 9,10
A fee is required. Credit: ½ per sem

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

50-1000 INTRODUCTION TO WELDING SEM

Prerequisite: None Grades: 9, 10
A fee is required. Credit: ½ per sem

Students will learn the production processes applied across manufacturing operations. Students will be able to demonstrate a broad array of technical skills with an emphasis given to quality practices, measurement, maintenance and safety.

DON'T FORGET! THE COURSES BELOW ARE ALSO WAYS TO BE INTRODUCED TO A PATHWAY!

- Ag, Food and Natural Resources (p. 30)
- Digital Design (p. 37)
- Honors Principles of Biomedical Science (p. 32)

75-1106 INTRO TO 3D PRINTING AND DESIGN SEM

Prerequisite: None Grades: 9,10
A fee is required. Credit: ½ per sem

Students will learn basic computer aided design skills using CAD software such as OnShape and Autodesk Inventor. They will learn how 3D printing works while creating 3D models to print.

75-1107 INTRO TO ROBOTICS SEM

Prerequisite: None Grades: 9,10
A fee is required. Credit: ½ per sem

Students will design and build independent robots and learn the basics of how to control robots with motors, sensors and servos. Students will also use the main principles of programming such as algorithms and subroutines to control robots.



Agriculture Services

The Agriculture Services program surveys a multitude of agriculture career areas including production, maintenance, service, processing, customer relations, and sales. Students also learn valuable life skills that are necessary in the workplace.

- Students in Agricultural Services are members of the National FFA Organization, a student organization that promotes premier leadership, personal growth and career success through agricultural education.
- Students can earn up to 9 college credit hours by passing WebExams in this pathway.
- Students can earn The Ohio Agribusiness Association-Agribusiness and Production Systems Certification.

00-1010 AGRICULTURE, FOOD AND NATURAL RESOURCE (AFNR) 00-3010 LANDSCAPE SYSTEMS MANAGEMENT* YEAR

Prerequisite: None A fee is required.	Grades: 9, 10, 11, 12 Credit: ½ per sem	Pre-/Co-requisite: AFNR A fee is required.	Grades: 11, 12 Credit: ½ per sem
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Agriculture, Food and Natural Resources (AFNR) is the first course in the Agricultural and Environmental Systems career field. It introduces students to the pathways that are available in the field of agriculture. Students will explore principles of food science, natural resource management, animal science and management, plant and horticultural science, power technology and bioscience. Students will also examine the FFA organization and Supervised Agricultural Experience programs. **Students are given the opportunity to earn college credit.**

Students will learn methods for establishing and managing landscapes to promote growth and balance. The classification and care of woody and herbaceous landscape plants will be learned. Students will learn to optimize growing conditions, balance nutrients, and manage pests and disease. They will apply proper planting, fertilizing, and pruning techniques while safely operating well maintained specialized equipment. Students will assess implications of landscape installation on the environment, and employ communication, business, and management strategies. **Students are given the opportunity to earn college credit.**

00-2010 PLANT AND HORTICULTURAL SCIENCE YEAR

Pre-/Co-requisite: AFNR A fee is required.	Grades: 10, 11, 12 Credit: ½ per sem
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This course focuses on the knowledge and skills required to research, develop, produce and market agricultural, horticultural, and native plants and plant products. Students will apply principles of plant physiology and anatomy, plant protection and health, reproductive biology in plants, plant nutrition and disorders to the management of soils and plants. Students will learn communication leadership, and business management skills reflective of the industry. **Students are given the opportunity to earn college credit.**

***Agricultural Business and Landscape Systems Management will be offered every other year.**

2025-2026: Landscape Systems Management

2026-2027: Agricultural Business

00-4010 AGRICULTURAL AND ENVIRONMENTAL SYSTEMS CAPSTONE/WORK EXPERIENCE YEAR

Pre-/Co-requisites: Senior & 2 Ag Courses A fee is required.	Grade: 12 Credit: ½ or 1 per sem
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00-5010 AGRICULTURAL BUSINESS* YEAR

Pre-/Co-requisite: AFNR A fee is required.	Grades: 11, 12 Credit: ½ per sem
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Students will examine elements of business, identify organizational structures and apply management skills while developing 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. Students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities. Under supervision of the school and through partnerships, students can combine learning with community work experience. Students may take this class for one or two periods (120-240 hours). In order for a student to participate, they must be senior grade level status and either currently be enrolled in the Agriculture, Food and Natural Resources class or have previously completed the course. Student employment can take the form of mentorships, cooperative education, apprenticeships, paid positions and internships within the community.

Air Force Junior Reserve Officers Training Corps (AFJROTC)

Air Force Junior ROTC (AFJROTC) is not an extension of the recruiting services of any branch of armed service, is not directly connected with college- or university-level ROTC programs, carries NO obligation to enter military service, and does not actively encourage any young woman or man to choose a career in the armed service.

All enrolled cadets must follow all policies set forth by the AFJROTC program and can be disenrolled at anytime with proper cause.

Program Benefits

- Two years of JROTC earns PE and Fine Arts waiver towards graduation (not credits).
- Two years of JROTC earns the "Military Enlistment Seal" towards Ohio alternative graduation requirements.
- Through required community service the Citizenship Seal can also be earned.
- Scholarship opportunities through Sinclair, Flight Academy, Cyber Academy and J-100 ROTC Scholarship.
- Those students that enlist will enter into military service at a higher rank and pay for successfully completing two or three years of AFJROTC.

05-1015 AFJROTC I

YEAR

Prerequisite: None
Grades: 9, 10, 11, 12
Credit: ½ per sem

The first year of Air Force Junior ROTC acquaints high school students with the historical development of flight, Air Force aviation history, and the Air Force mission. Leadership Training stresses citizenship, character development, and Air Force traditions.

05-2015 AFJROTC II

YEAR

Prerequisite: AFJROTC I
Grades: 10, 11, 12
Credit: ½ per sem

The second year of Air Force Junior ROTC acquaints cadets with the principles of aircraft flight and cultural studies related to the Air Force mission. Leadership training stresses practical communication skills, individual and group behavior, and basic leadership concepts.

05-3015 AFJROTC III

YEAR

Pre or concurrent requisites: AFJROTC I, II
Grades: 11, 12
Credit: ½ per sem

Exploration of Space: The third year of Air Force Junior ROTC acquaints cadets with space exploration. Cadets study the space environment, space programs, and space technology. Leadership training will help prepare cadets for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century.

05-4015 AFJROTC IV

YEAR

Prerequisites: AFJROTC I, II, III
Grade: 12
Credit: ½ per sem

Management of the Cadet Corps: The fourth year of Air Force Junior ROTC is a practical leadership experience course where cadets put theories of previous JROTC courses into practice. Using the model organizational structure of a typical Air Force squadron, cadets demonstrate the principles of management by planning, organizing, coordinating, directing, and controlling the decision-making functions for activities involving the corps of cadets. Cadets at this level will be assigned to classroom periods, with cadets taking AFJROTC I, II, and III courses.

05-1515 AFJROTC DRILL AND CEREMONIES

YEAR

Prerequisite: Enrollment in AFJROTC I, II, III, or IV
A fee is required.
Grades: 9, 10, 11, 12
Credit: ½ per sem

The Drill and Ceremonies course provides an in-depth introduction to drill and ceremonies. It concentrates on the elements of military drill and describes individual and precision movements, drill, ceremonies, reviews, parades, and development of a command voice. Cadets will exhibit skills in various drill competitions with other ROTC units. The drill team fee covers registration fees for Drill Meets and a Drill Team Jacket for new members.

Biomedical Science

The Project Lead the Way® Biomedical Science™ is a dynamic program that uses hands-on, real-world problems to engage and challenge students. Students interested in math, science, and the human body will find the PLTW Biomedical Sciences™ program a great introduction to numerous medical fields.

Students have the opportunity to earn college credit and credentials through WebExams and articulated agreements.

Course Sequence		Credits and Credentials	Experiences
<i>grade 7</i>	Introduction to Biomedical Sciences		
<i>grade 8</i>	Introduction to Biomedical Sciences		
<i>grade 9</i>	Honors Principles of Biomedical Science	ALH 1132: 1 credit First Aid/CPR/AED	Guest Speakers Job Shadow Opportunities Site Visits
<i>grade 10</i>	Honors Human Body Systems	Bio 1107: 3 credits	
<i>grade 11</i>	Honors Medical Interventions	Bio 1107: 3 credits	
<i>grade 12</i>	Honors Biomedical Innovations	Biotechnology Principles: 3 credits	

Students are encouraged to start this pathway freshman or sophomore year but can take these courses anytime during their high school experience.

75-1216 HONORS PRINCIPLES OF BIOMEDICAL SCIENCE YR

Prerequisite: None
A fee is required.

Grades: 9, 10,11,12
Credit: ½ per sem

In the introductory course of the PLTW Biomedical Science program, students will explore concepts of biology and medicine to determine factors that led to the demise of a fictional person. The activities and projects introduce students to forensics, human physiology, basic biology, medicine and research processes while allowing them to design their own experiments to solve problems. **Students are given the opportunity to earn a 2 year certification in First Aid/CPR/AED.**

75-1226 HONORS HUMAN BODY SYSTEMS YEAR

Prerequisite: Principles of
Biomedical Science
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

The second biomedical course, students examine the interactions of human body systems while designing experiments and investigating the structures and functions of the human body. Students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. **Students are given the opportunity to earn college credit.**

75-1236 HONORS MEDICAL INTERVENTIONS YEAR

Prerequisites: PBS, HBS &
Algebra 1
A fee is required.

Grades: 11, 12
Credit: ½ per sem

In the third biomedical course, students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; code DNA; prevent, diagnose and treat cancer; and match tissues for organ transplantation. Students also study immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. **Students are given the opportunity to earn college credit.**

75-1246 HONORS BIOMEDICAL INNOVATION YEAR

Prerequisites: ALL THREE (3)
BIOMEDICAL COURSES
A fee is required.

Grade: 12
Credit: ½ per sem

Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor and are expected to present their work to an audience of STEM professionals. Students should be concurrently enrolled in college preparatory mathematics and science classes. **Students are given the opportunity to earn college credit.**

Construction Technology

Course		Description	Credits & Credentials
<i>grade 8</i>	Career Tech Intro Lab	Optional elective to experience Agriculture, Interactive Media, Construction, Welding and HVAC	
<i>grade 9</i>	Intro to Construction Technologies	Optional introductory semester course	
<i>grade 10</i>			
<i>grade 11</i>	Core & Sustainable	Year 1 of the two year program. Courses are double blocked and students earn 1 credit per semester	CAT 1810: 3 credits CAT 1431: 1 credit CAT 1721: 4 credits CTAG: 3 credits OSHA 10 NCCER Core NCCER Core Level 1 Forklift Operation Aerial Platform Lift
	Carpentry and Masonry		
<i>grade 12</i>	Structural Systems	Year 2 of the two year program. Courses are double blocked and students earn 1 credit per semester	
	Structural Coverings & Finishes		
	Capstone	Students in good standing who are participating in an internship or pre-apprenticeship will substitute the Capstone course for the Structural Coverings & Finishes course semester 2	

50-3001 CONSTRUCTION TECHNOLOGY

YEAR 1

CORE AND SUSTAINABLE CONSTRUCTION

SEM 1

Prerequisite: None

Grade: 11

A fee is required.

Credit: 1 per sem

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool operation, blueprint reading, material handling, communication and employability skills. An emphasis is placed on safe and green construction practices.

CARPENTRY AND MASONRY TECHNICAL SKILLS

SEM 2

Prerequisite: Core & Sustainable

Grade: 11

A fee is required.

Credit: 1 per sem

This course introduces students to the materials, methods, and equipment used in carpentry and masonry. Students organize a project work sequence by interpreting plans and diagrams within a construction drawing set. They will layout and install basic wall, floor and roof applications. Students perform introductory concrete applications including formwork, reinforcement, mixing, and finishing. Current advancements in technology, safety, applicable code requirements and correct practices are learned.

53-3003 CONSTRUCTION CAPSTONE

SEM 2

Prerequisite: 3 Construction Technology Courses

Grade 12

A fee is required.

Credit: 1 per sem

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in construction programs in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered in a variety of delivery methods.

Engineering, Automation and Manufacturing

- Current 9th grade students who want to pursue a future in Engineering, Design, Robotics or Manufacturing are encouraged to take Intro to Engineering Design during their 10th grade year.
- The above path is designed for students seeking a possible 4-year degree or extended coursework beyond high school. It ensures students are able to take Principles of Engineering their 11th grade year to learn about a wide range of Engineering opportunities.
- Students in 9th and 10th grade unsure of their path or who want to enter the workforce, should take either Intro to 3D Printing & Design and/or Intro to Robotics.

Course Sequence		
Engineering 4-year Degree		Advanced Manufacturing Engineering, Automation, Design
grade 7	Design & Modeling	
grade 8	Career Connections Career Tech Intro Lab	
grade 9	Intro to 3D Printing & Design Intro to Robotics	Intro to 3D Printing & Design Intro to Robotics
grade 10		
grade 10	Intro to Engineering Design (full-year)	
grade 11	¹ Honors Principles of Engineering	Intro to Engineering
	Computer Integrated Manufacturing (CIM)	Computer Integrated Manufacturing (CIM)
grade 12	Honors Digital Electronics	*TBD
	Honors Aerospace Engineering	*TBD
	² Engineering Capstone	

1. Students in the 4-year degree path take Intro to Engineering Design their sophomore year to be able to enroll in Principles of Engineering—which is a prerequisite for Digital Electronics and Aerospace Engineering
2. All students have the opportunity to swap the last course in the sequence with the capstone course, which allows for work-based learning and credentialing opportunities as well as a culminating end of course project.

Credits and Credential Opportunities	
Engineering 4-year Degree	Engineering, Automation and Manufacturing
Engineering Graphics: 3 credits Autodesk Inventor Certified User	
EET 131: Digital Electronics — 5 credits	
MET 1231: Intro to Engineering Design Using 3D CAD Motoman YRC 1000 Basic Programming with Material Handling	
AVT 1105: Orientation to Aviation—2 credits	

Engineering, Automation and Manufacturing

75-1116 INTRODUCTION TO ENGINEERING DESIGN

YEAR

Prerequisite: Algebra I
A fee is required.

Grades: 10,11
Credit: ½ per sem

Students will learn the application of the engineering design process. Topics include work-processes, optimization methods, design optimization and risk management tools. Students will use 2D and 3D modeling software to help them design solutions to problems, document their work and communicate solutions. Additionally, students will interpret industry prints and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems. **Students are given the opportunity to earn college credit and the Autodesk Inventor Certified User Certification.**

75-1127 COMPUTER INTEGRATED MANUFACTURING

YEAR

Prerequisite: Introduction to
Engineering Design
A fee is required.

Grades: 10, 11
Credit: ½ per sem

In this course, students will be introduced to all aspects of computer-integrated manufacturing. They will learn about robotics and automation, manufacturing processes, computer modeling, manufacturing equipment and flexible manufacturing systems. **Students are given the opportunity to earn college credit.**

75-1126 HONORS PRINCIPLES OF ENGINEERING

YEAR

Prerequisite: Introduction to
Engineering Design
A fee is required.

Grades: 11, 12
Credit: ½ per sem

This class engages students in a rigorous study of manufacturing design, materials, and structural design. Students build and program machines with electronic sensors to monitor performance. Students study the properties of materials under compression, tension, and shear forces. The course of study includes mechanics, energy sources, energy applications, electrical circuit analysis, machine control, fluid power, statics, material properties, material testing, statistics, and kinematics. This course is taught at an honors level and awards weighted grades. This course is also approved for NCAA credit. **Students are given the opportunity to earn college credit.**

75-1136 HONORS DIGITAL ELECTRONICS

YEAR

Prerequisite: Honors Principles
of Engineering
A fee is required.

Grades: 11, 12
Credit: ½ per sem

Students are introduced to the process of combinational and sequential logic and design. The system uses a precise sequence of discrete voltages, representing numbers, non-numeric symbols or commands for input, processing, transmission, storage or display. Engineering standards and methods for technical documentation will also be learned. **Students are given the opportunity to earn college credit.**

75-1146 HONORS AEROSPACE ENGINEERING

YEAR

Prerequisite: Honors Principles
of Engineering
A fee is required.

Grades: 11, 12
Credit: ½ per sem

Students apply knowledge of aviation theory and navigation to flight performance and planning. Students will apply principles of simple machines and fluid mechanics to aircraft operations. Identification of aircraft engines and airframe related systems will be emphasized. Weather theories and concepts are used to interpret weather-briefing documents. Additionally, students will distinguish among airport environments and understand rules, regulations and orders relevant to the airport industry. **Students are given the opportunity to earn college credit.**

75-1156 ENGINEERING CAPSTONE

YEAR

Prerequisites: 3 Courses in
Engineering Pathway

Grade: 12
Credit: ½ per sem

A fee is required.

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in an Engineering program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school through community partnerships, students may combine classroom learning with work experience.

Heating, Ventilation and Air Conditioning (HVAC)

Course		Description	Credits & Credentials
grade 8	Career Tech Intro Lab	Optional elective to experience Agriculture, Interactive Media, Construction, Welding and HVAC	
grade 9	Intro to HVAC	Optional introductory semester course	
grade 10			
grade 11	Core & Sustainable	Year 1 of the two year program. Courses are double blocked and students earn 1 credit per semester	CAT 1810: 3 credits CAT 1431: 1 credit HVA 1201: 3 credits HVA 1241: 3 credits OSHA 10 NCCER Core NCCER Level 1 Refrigerant Universal Forklift Operation Aerial Platform Lift
	Sheet Metal		
grade 12	Heating and Cooling Systems	Year 2 of the two year program. Courses are double blocked and students earn 1 credit per semester	
	HVAC Refrigeration		
	Capstone	Students in good standing who are participating in an internship or pre-apprenticeship will substitute the Capstone course for the HVAC Refrigeration course semester 2	

50-2001 HVAC

YEAR 1

50-2002 HVAC

YEAR 2

CORE AND SUSTAINABLE CONSTRUCTION

SEM 1

HEATING AND COOL SYSTEMS

SEM 1

Prerequisite: None
A fee is required.

Grade: 11
Credit: 1 per sem

Prerequisite: HVAC Year 1
A fee is required.

Grade: 12
Credit: 1 per sem

Students learn principles in basic safety (10-hr OSHA), construction math, hand and power tool operation, blueprint reading, material handling, communication and employability skills. An emphasis is placed on safe and green construction practices.

Students will apply principles of heating and cooling to the installation, troubleshooting and maintenance of residential and commercial heating, ventilation and air conditioning/refrigeration systems.

SHEET METAL

SEM 2

HVAC REFRIGERATION

SEM 2

Prerequisite: Core and Sustainable Construction
A fee is required.

Grade: 11
Credit: 1 per sem

Prerequisite: HVAC Year 1
A fee is required.

Grade: 12
Credit: 1 per sem

The fundamentals of the sheet metal trade are the emphasis of this course. Students will learn components of a ductwork system and use architect and engineer's scales to read and interpret construction drawings for material calculations and selection. Students will layout sheet-metal patterns using parallel line, radial line, and triangular development procedures. Students will, also fabricate edges, joints, seams, and notches; seal and insulate; and install ductwork systems and accessories.

Students will install, troubleshoot and service residential and commercial refrigeration systems. Students will learn laws of thermodynamics, pressure and temperature relationships, the refrigeration cycle and refrigerant management. Students will address hydronic systems, chilled water systems, package units and cooling towers.

53-2003 HVAC CAPSTONE

SEM 2

Prerequisite: 3 HVAC Courses
A fee is required

Grade 12
Credit: 1 per sem

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in construction programs in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered in a variety of delivery methods.

Interactive Multimedia

- Learn web & motion graphic concepts and theory, logos, digital illustration, color theory, typography, basic photography, image manipulation, video, and animation.
- Receive training in the Adobe Creative Suite, including Photoshop, Premiere Pro, Animate, Aftereffects and Illustrator, which is the industry standard.
- Participate in Business Professionals of America and competitions.
- Learn skill sets in Graphic Design, Web Media Design, App and Web layout, Photography and Videography.
- Students can earn up to 9 college credit hours by passing WebExams in this pathway.

00-1016 DIGITAL DESIGN

YEAR

Prerequisite: None
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

Designed to be a first year course and is suggested before or in combination with any of the other IMM courses. Students will learn techniques for transforming photographic images through the use of digital cameras, computers and mobile devices. To accomplish this, they will learn photo editing techniques including layering, color correction, masking and special effects. Students will also be introduced to video and web creations. Students will be using Photoshop, Indesign, iMovie and other programs. **Students are given the opportunity to earn college credit.**

00-2016 CREATING DIGITAL MEDIA

YEAR

Prerequisite: None
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

Students will apply principles of image creation and multimedia techniques as they create, revise, optimize and export graphics for video, prints and web publishing. The course will address issues related to web based publishing, social media and security. This course will incorporate #D and 2D graphic development through software. Students will be using illustrator, Aftereffects, Animate, web design software and Adobe software. **Students are given the opportunity to earn college credit.**

00-5016 INTERACTIVE MULTIMEDIA CAPSTONE

YEAR

Prerequisite: 2 or more IMM classes,
including Digital Design
A fee is required.

Grades: 12
Credit: ½ per sem

Students will apply Multimedia program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities. Under supervision of the school, students can combine learning with community work experience. In order for a student to participate, they must be senior grade level status and must have taken Digital Design and at least one other class offered in the IMM program.

00-4016 MEDIA PRODUCTION*

YEAR

*EVEN YEARS

Prerequisite: Digital Design
Or Creating Digital Media
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

Students will learn to create layouts for print and interactive web creation. Students learn advanced techniques for transforming photographic images, through the use of digital cameras, computers and mobile devices. An emphasis on branding and marketing with logo and promotion development. Students will use cameras for creating videos and other branding promotions for products. Students will learn to create frame animation. Web and App layout projects as well as printed projects. Students will be using illustrator, Photoshop, Animate, Premiere, as well as other software. **Students are given the opportunity to earn college credit.**

00-3016 VIDEO AND PHOTO PRODUCTION*

YEAR

*ODD YEARS

Prerequisite: Digital Design
Or Creating Digital Media
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

Students will use video and still images to create video and sound projects. Students will use management procedures, and multimedia techniques as they create, revise, optimize, and export graphics and video for video, print, and web publishing. This course will put a high concentration on video, sound and effect creation. Development such as creating music videos, stop motion animation, and using green screen effects. Students will use Adobe Premiere, Illustrator, After Effects and Photoshop, as well as other software. **Students are given the opportunity to earn college credit.**

***Media Production and Video & Photo Production will be offered every other year.**

2025-2026: Video & Photo Production

2026-2027: Media Production

Welding

Course		Description	Credentials
grade 8	Career Tech Intro Lab	Optional elective to experience Agriculture, Interactive Media, Construction, Welding and HVAC	
grade 9	Intro to Welding	Optional introductory semester course	
grade 10			
grade 11	Shielded Metal	Year 1 of the two year program. Courses are double blocked and students earn 1 credit per semester	AWS Certification: SMAW FCAW
	Gas Metal		
grade 12	Flux Core	Year 2 of the two year program. Courses are double blocked and students earn 1 credit per semester	
	Gas Tungsten		
	Capstone	Students in good standing who are participating in an internship or pre-apprenticeship will substitute the Capstone course for the Gas Tungsten course semester 2	

50-1001 WELDING

YEAR 1 50-1002 WELDING

YEAR 2

SHIELDED METAL ARC WELDING

SEM 1

Prerequisite: None
A fee is required.

Grades: 11, 12
Credit: 1 per sem

Students will be use the Shielded Metal Arc Welding process (SMAW) to safely join various types of metal. Students perform multiple types of welds and joints in all positions, including overhead. Students select the appropriate type of electrode, adjust welding equipment based on the physical characteristics and properties of the metal. Students apply quality control factors to evaluate the quality of welds.

GAS METAL ARC WELDING

SEM 2

Prerequisite: SMAW
A fee is required.

Grades: 11, 12
Credit: 1 per sem

Students use the Gas Metal Arc Welding process (GMAW) to safely join various types of metal. Students cut metals using oxy-fuel processes, perform multiple types of welds and joints in all positions, including overhead. Students select the appropriate type of electrode wire and shielding gas, and adjust welding equipment based on the physical characteristics and metal properties. Students apply quality control factors to evaluate weld quality.

53-1003 WELDING CAPSTONE

Prerequisite: 3 Welding Courses
A fee is required

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in manufacturing program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods.

FLUX CORE ARC WELDING

SEM 1

Prerequisite: Welding Year 1
A fee is required.

Grade: 12
Credit: 1 per sem

Students will be able to use the Flux Cored Arc Welding process (FCAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions up to and including overhead. They will select appropriate type cored electrode wire and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate the quality of welds.

GAS TUNGSTEN ARC WELDING

SEM 2

Prerequisite: Welding Year 1
A fee is required.

Grade: 12
Credit: 1 per sem

Students will be able to use the Gas Tungsten Arc Welding process (GTAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions up to and including overhead. They will select appropriate type of electrode, filler wire and shielding gas. Students will apply quality control factors to evaluate the quality of welds.

Music Appreciation and Exploration

7TH AND 8TH GRADE GENERAL MUSIC

QUARTER

Prerequisite: None
Fee: None

Grade 7,8

General Music is a semester music appreciation class. The majority of the semester will be spent learning about music and composers throughout history, discovering how music has evolved into what we hear today. Students who take Band or Choir *and* a world language are exempt from this requirement. Additionally, students who take Music Appreciation and History are not required to take the semester music class.

70-2055 MUSIC APPRECIATION AND HISTORY

SEM

Prerequisite: None Grades: 8, 9, 10, 11, 12
A fee is required. Credit: ½ per sem

This course offers a quick look at music from the beginning to the present day. It includes the study of the elements of music and application of these concepts to music of the various periods of history. This course will attempt to look at the more interesting aspects of the composers and their music. Eighth grade students who take this class are exempt from taking the general music course.

70-3055 INTRODUCTION TO MUSIC AUDIO AND VIDEO PRODUCTION

SEM

Prerequisite: None Grades: 9, 10, 11, 12
A fee is required. Credit: ½ per sem

This course will provide students with hands-on, problem solving experience using sound and video recording and editing devices. It is designed for students who are interested in music and video composition and/or production. Students will learn the process of using technological recording and digital editing equipment to produce, record, arrange, and edit audio and video images into a final product. Students will explore career options in this area and gain production experience as they complete a variety of assignments, including work designed for commercial consumption. Students will also be trained in setting up microphones and running sound and lighting for various school functions, including concerts and drama productions.

Vocal Music

Placement of students is at the discretion of the director/teacher. Enrollment in Choir requires student participation in extracurricular activities. **A participation fee is required.**

7th and 8TH GRADE CHOIR

YEAR

Prerequisite: Non-Audition Group/
Audition for Placement Only
A fee is required.

Grades 7, 8

Any student who is interested in singing may join this group. An audition is required for placement only. All styles of music will be studied and performed at various concerts and performances throughout the year.

70-1115 CONCERT CHOIR

YEAR

Prerequisite: Non-Audition Grades: 9, 10, 11, 12
Group/ Audition for Credit: ½ per sem
Placement Only
A fee is required.

Any student who is interested in singing may join this group. An audition is required for placement only. All styles of music will be studied and performed at various concerts and performances throughout the year. **Attendance at all performances and any after school practices is mandatory.**

70-2015 TREBLE CHOIR

YEAR

Prerequisite: Audition Grades: 9, 10, 11, 12
Required for Participation Credit: ½ per sem
A fee is required.

Any student who is interested in singing may join this group. An audition is required for placement, but students must receive permission from the choir teacher. All styles of music will be studied and performed at various concerts

70-2215 VARSITY CHOIR

YEAR

Prerequisite: Audition Grades: 10, 11, 12
Required for Participation Credit: ½ per sem
A fee is required.

The Varsity Choir is a select performance group. Entrance is by audition only. All styles of music will be studied and performed at various concerts and performances throughout the year. **Attendance at all performances and any after school practices is mandatory.** Students who qualify will be allowed to participate in the choir trip.

COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT

70-3015 CHORALIERS

YEAR

Prerequisite: Audition
Required for Participation
A fee is required.

Grades: 11, 12
Credit: ½ per sem

The Choraliers is a select performance group. Students are also encouraged to be members of Varsity Choir. The Choraliers study in-depth techniques of singing & advanced choral literature. The Choraliers perform at various concerts & performances throughout the year. **Attendance at all performances and any after school practices is mandatory.** Students who qualify will be allowed to participate in the choir trip.

Instrumental Music

Percussion: More Than Just Drums

QUARTER

Prerequisite: None
A fee is required.

Grade 7, 8

In this class, students will learn about percussion instruments and techniques from all over the world and throughout history. Students will learn to drum together in many styles and how drumming can help us deal with daily life. If you've wanted to play drums or something else, this class is for you!

All band classes require rehearsals and performances outside of the regular school day. **Attendance at all rehearsals and performances is mandatory.**

Marching Band/Warriorettes is an after-school, extracurricular activity. A participation fee is required prior to the first summer rehearsals for the upcoming school year. Marching Band students must be concurrently enrolled in a band class. All summer camps, as applicable, are required.

7th and 8th GRADE BAND

YEAR

Prerequisite: None
A fee is required.

Grade 7, 8

The Weisenborn Junior High School 7th and 8th grade bands are instrumental performance ensembles. Beginners and students with some experience are welcomed. Performances required.

70-1414 CONCERT BAND

YEAR

Prerequisite: Has experience
playing an instrument
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

Concert Band is an ensemble studying and playing all types of music at the basic to intermediate level of high school music. Several performances will be scheduled during the year. **Attendance at all performances and any after school practices is mandatory.**

70-2515 SYMPHONIC BAND

YEAR

Prerequisite: Audition
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

Symphonic Band is an ensemble studying and playing all types of music at the basic to intermediate level of high school music. Several performances will be scheduled during the year. This is an audition based ensemble. **Attendance at all performances and any after school practices is mandatory.**

70-2415 WIND ENSEMBLE

YEAR

Prerequisite: Audition
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

The Wind Ensemble is a select performance group. This ensemble studies and plays all types of music at the intermediate to advanced level of high school music. Several performances will be scheduled during the year. This is an audition based ensemble. **Attendance at all performances and any after school practices is mandatory.**

70-2915 JAZZ BAND

YEAR

Prerequisite: Audition
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

The Jazz Ensemble is a select group of players interested in performing blues, swing, rock, and other contemporary styles of jazz. Emphasis is also placed on developing and improving improvisational skills. This is an audition based ensemble. **Attendance at all performances and any after school practices is mandatory.**

Visual Arts

7TH AND 8TH GRADE ART I

SEM

Prerequisite: None
A fee is required.

Grade: 7, 8

This is a semester course with an emphasis on using the Elements of Art and beginning composition skills within artworks. Students will learn to evaluate their own work and improve work based on feedback. Students will also learn how to effectively explain their work and inspirations. Both two- and three- dimensional techniques will be explored, including perspective, drawing and clay. Students must successfully complete Art I to take Art II.

7TH AND 8TH GRADE ART II

SEM

Prerequisite: Art I
A fee is required.

Grade: 7, 8

This is a semester course. Students must successfully complete Art 1 to take this course. Art 2 will focus on more advanced Art techniques with an emphasis on composition and the Principles of Design. Students will continue to learn appropriate art criticism techniques and continue to evaluate their own work and inspirations. Both two- and three-dimensional art techniques will be explored, including printmaking, and clay.

10-1155 ART I

SEM

Prerequisite: None
A fee is required.

Grades: 9, 10, 11, 12

Credit: ½ per sem

This semester-based course explores the Elements of Art through lessons and activities. Students will utilize various mediums to learn techniques of basic value drawing, portrait/ figure drawing, perspective drawing, color theory, and various still-life compositions. Students will also be introduced to basic clay hand-building techniques and glazing techniques.

10-1255 ART II

SEM

Prerequisite: None
A fee is required.

Grades: 9, 10, 11, 12

Credit: ½ per sem

This semester-based course explores the Elements of Art and Principles of Design through lessons and activities. The students will create projects utilizing a variety of mediums including painting and printmaking. Color Theory will be heavily emphasized where students learn about the color wheel and the vastly different color schemes.

10-2355 ADVANCED DRAWING

SEM

Prerequisite: Art I & Art II
A fee is required.

Grades: 10, 11, 12

Credit: ½ per sem

This advanced course is designed for those students with a talent for art and who want to explore more within the drawing world. Emphasis is placed on more involved detail studies in still life, figure drawing, perspective, and a continuation of abstract concepts utilizing a variety of media.

10-2455 ADVANCED PAINTING

SEM

Prerequisites: Art I & Art II
A fee is required

Grades: 10, 11, 12

Credit: ½ per sem

This advanced course will build upon previous knowledge of the Elements of Art and Principles of Design to create unique projects in different painting mediums such as watercolor, acrylic, and spray paint. Students will also learn how to use proper color theory techniques and stretch their own canvases.

10-3055 ADVANCED CERAMICS & SCULPTURE

SEM

Prerequisites: Art I & Art II
A fee is required

Grades: 10, 11, 12

Credit: ½ per sem

This advanced course will build upon previous knowledge of ceramics to form more complicated pottery, sculpture, and ceramic-free forms. Students participate in combination and experimental clay techniques, and the loading and firing of the kilns.

10-4019 AP® STUDIO ART: 2-D DESIGN

YEAR

Prerequisites: Art I & Art II
A fee is required

Grades: 10, 11, 12

Credit: ½ per sem

In AP 2-D Art and Design, you'll use the skills you learn in the course, and your own ideas, to create unique works of art. Throughout the course, you'll develop an inquiry that guides artmaking through practice, experimentation, and revision of materials, processes, and ideas while demonstrating 2-D art and design skills through graphic design, sequential art, photography, collage, printmaking, illustration, industrial design, animation, game design, painting, fibers, and others. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year.

COURSE DESCRIPTIONS

HEALTH AND PE DEPARTMENT

HEALTH

Prerequisite: None

QUARTER

Grade: 7

The 7th Grade Health Education Program is a nine week course. The overall goal of this course is to provide students the accurate information they need to make healthier style decisions. Course topics include: drugs, tobacco, alcohol, sex education, body systems, puberty and adolescence, and sexually transmitted diseases.

PHYSICAL EDUCATION

Prerequisite: None

SEM

Grade: 7, 8

Physical Education provides each student with the opportunity to participate in a comprehensive program consisting of skill development, lead-up games, team sports, individual sports, and physical fitness activities. The students receive instruction in rules, skills, and strategies associated with the different sports, as well as learning experiences involving physical conditioning activities and lifelong physical activities. The program promotes the spirit of cooperation, respect, leadership, fair play, and friendly competition.

HIGH SCHOOL PHYSICAL EDUCATION WAIVER

The Physical Education Waiver (or PE Option) is available to Wayne students who participate in interscholastic sports, cheerleading, JROTC, and/or marching band/Warriorettes. Daily participation paralleling an official sport season must be successfully completed and approved by each respective coach/director. To qualify for the Physical Education Waiver, a student must complete two (2) full seasons in one or more qualifying activities. Once successfully completed, the two (2) physical education classes (1/4 credit each) required to meet Wayne High School graduation requirements will be waived.

*A student cannot combine one PE class with one activity to meet the graduation requirement. A student must successfully complete two activities or successfully complete two PE classes. Any student who is interested in the PE waiver should meet with his/her counselor. **PE waivers must be completed by the end of the student's junior year.***

45-1055 PHYS ED I

45-2055 PHYS ED II

SEM

Prerequisite: *Need PE I for PE II
Fee: None

Grades: 9, 10, 11, 12
Credit: ¼ per sem

Physical education provides students with the opportunity to develop knowledge and skills in a variety of activities designed to improve physical fitness and to become a competent player in invasion, net/wall, striking/fielding, and target-type games. Flexibility, muscular strength and endurance, and cardiovascular endurance are developed while the student learns the skills and behaviors necessary for participating in physical activity for a lifetime.

45-1155 HEALTH

SEM

Prerequisite: None
Fee: None

Grades: 9, 10, 11, 12
Credit: ½ per sem

This course emphasizes the importance of healthful living and its contributions to the students' physical, mental, social, and emotional growth.

45-5055 ATHLETIC CONDITIONING

SEM

Prerequisite: PE I & II OR Waiver
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

This fitness and performance course is designed specifically for athletic performance enhancement. Training programs may focus on areas such as strength, speed, power, endurance, flexibility, mobility, agility, recovery techniques and strategies, nutrition, injury risk reduction, and mental preparedness (including goal setting). Students will also design create a program that focuses on drills and activities to improve their skills in their chosen sport. This course does not meet the physical education requirement for graduation.

45-3055 GIRLS CONDITIONING

SEM

Prerequisite: PE I & II OR Waiver
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

This course is designed for young women who wish to study the components of fitness, strength, endurance, flexibility and cardiorespiratory endurance, as well as components of healthy nutrition. This course does not meet the physical education requirement for graduation.

45-4055 BOYS CONDITIONING

SEM

Prerequisite: PE I & II OR Waiver
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

This course is designed for young men who wish to study the components of fitness, strength, endurance, flexibility and cardiorespiratory endurance, as well as components of healthy nutrition. Students will take an active role in designing their fitness program for continued healthy living. This course does not meet the physical education requirement for graduation.

45-2255 SPORTS MEDICINE

SEM

Prerequisite: none
A fee is required

Grades: 10, 11, 12
Credit: ½ per sem

This course will focus on obtaining comprehensive knowledge of skeletal/muscular anatomy and use that knowledge to learn about a vast array of injuries and their treatments. Injuries such as: fractures, sprains/strains, concussions, wounds, contusions, environmental factors, etc.

NOTE: Additional courses in PE, beyond PE I & II, DO NOT count for elective credit toward graduation requirements.

College & Career Program		Advanced, Honors & AP®		College Credit Plus (CCP)
grade 7	ELA 7	Advanced English 7		CCP ENG 1101 - English Composition I CCP ENG 1201 - English Composition II CCP LIT 2220 - Introduction to Literature
grade 8	ELA 8	Advanced English 8		
grade 9	Freshman English	Honors Freshman English		
grade 10	Sophomore English	Honors Sophomore English		
grade 11	Junior English	AP® English Literature and Composition	AP® English Language and Composition	
grade 12	Senior English			

College & Career Program English Language Arts

These courses offer students opportunities to improve and build upon the knowledge of language arts gained in earlier courses. Whether students plan on attending college, joining the military, or directly entering the work force, these courses focus on the reading, writing, speaking, and listening skills necessary for success in the complex world they will encounter upon leaving high school. Emphasis is placed on development of logical and analytical thinking processes, the ability to adequately express oneself both orally and in written form, an understanding of the forces behind how the world works and why (through analysis of and writing about both fiction and nonfiction), and an increased understanding of individual responsibility for success in both academic and personal endeavors.

ENGLISH 7

YEAR

Prerequisite: None
A fee is required.

Grade: 7

Students will study a variety of short fictional works and nonfiction stories, essays, biographies, autobiographies, memoirs, and a district required novel by significant literary figures. When discussing literature, students will be exposed to the process of learning and using thinking/reasoning skills. Students will identify and learn the basics of organization, style, and details in a piece of literature. Students will study the elements of literature as well as literary terms and devices that make up all fictional works of literature.

Classroom writing will include short compositions, such as a narrative, research, argumentative/persuasive, and comparison/contrast, while demonstrating the command of the conventions of standard English grammar. Research compositions will identify key details in a piece of literature in order to support an idea and use details/evidence in writing.

Students will learn the elements of presentations and be required to present in small and large group formats, while demonstrating the command of the conventions of standard English grammar. The use of technology will be integrated in research, writing, projects, and preparing for and presenting oral information.

ENGLISH 8

YEAR

Prerequisite: None
A fee is required.

Grade: 8

Students will study a variety of short fictional works and nonfiction essays, biographies/autobiographies, and memoirs by significant literary figures. Students will read a required district novel. Students will apply their knowledge of organization, style, and details to a piece of literature and deconstruct it for additional meaning.

Students will be required to write short compositions, learn the basics of a five paragraph essay, and write longer works (e.g., research assignments, thematic essays, and analytical works). Students will learn the elements of argument and persuasion in order to construct argumentative and persuasive writing pieces.

Students will participate in large and small group discussions and present information. Technology will be used in researching, writing, and completing projects and preparing for and presenting oral information.

COURSE DESCRIPTIONS

LANGUAGE DEPARTMENT

35-1016 FRESHMAN ENGLISH

YEAR

Prerequisite: None
A fee is required.

Grade: 9
Credit: ½ per sem

This course emphasizes acquiring the skills required to master the complex levels of language arts. Some of the time in this course is devoted to reading and interpreting literature including short stories, dramas, and poetry. The course also focuses on the comprehension and analysis of literary non-fiction to discover how such things as organization, style, and details contribute to meaning. Students will be required to complete assignments in the writing of both short compositions and multi-paragraph themes. This includes writing arguments to support claims in an analysis of substantive topics as well as using technology to complete short and long research projects. Students will also be required to effectively participate in a range of collaborative discussions with diverse partners and in small groups.

35-2016 SOPHOMORE ENGLISH

YEAR

Prerequisite: Freshman English
A fee is required.

Grade: 10
Credit: ½ per sem

The Sophomore English course is designed to focus on a rigorous study of analysis, synthesis, and evaluation of literature, writing, vocabulary acquisition, grammar, and public speaking. Students will analyze key details and ideas, such as theme, complex characters, point of view, style, author's purpose and word choice, in a wide range of literature and nonfiction. Students will acquire general academic vocabulary and will clarify the meaning of unknown words and phrases based on content. Students will produce and publish clear, coherent writing (i.e., persuasive, expository, and narrative), focusing on planning, revising, and editing written essays and integrating multiple sources of information and use of technology. Students will initiate and participate thoughtfully in discussions and presentations, clearly articulating ideas and supporting details.



35-3016 JUNIOR ENGLISH

YEAR

Prerequisite: Sophomore English
A fee is required.

Grade: 11
Credit: ½ per sem

This course is devoted to the development of coherent, organized writing for different purposes leading to college and career readiness. Time is spent on developing vocabulary and command of the conventions of standard English. Students read and analyze American literature and nonfiction to trace its significance and development. Students cite evidence and analyze ideas in literature and nonfiction.

35-4316 SENIOR ENGLISH

YEAR

Prerequisite: Junior English
A fee is required.

Grade: 12
Credit: ½ per sem

Senior English is designed to focus on the rigorous standards in reading, writing, speaking, listening, and language required by Ohio's learning standards, ensuring students are ready to meet the challenges of entry-level English courses at the college level. Students will analyze British Literature, selections from World Literature and informational texts, including foundational documents. Students will read, analyze and discuss two novels. In addition to shorter pieces of writing (including objective summaries), students should expect to compose at least three major essays: argumentative, expository, and narrative forms. All compositions will be word processed and documented according to the format prescribed by the Modern Language Association. Further, students will be expected to participate in analytical discussions of all material under study and to present findings and arguments both independently and collaboratively in a variety of mediums, including oration. Upon exiting, each student will design, develop, publish, and present a capstone project.



Advanced Coursework—Weisenborn

These courses offer students opportunities to better situate themselves for the demands of academic communication (both orally and in written form) in post-secondary education. The courses are more rigorous in these terms: quality, quantity, pacing, and demonstration of deeper analytical thinking, understanding, and logical expression. As such, an academically mature level of commitment is required to excel in these courses. To be successful, students must spend more time outside class reading, preparing written assignments, and performing research. Student's enrolled in these courses have an expected path to continue honors and AP coursework at Wayne High School.

ADVANCED ENGLISH 7

YEAR

Prerequisite: None
A fee is required.

Grade: 7

This course moves at a faster pace. Students will study a variety of complex, short fictional works, advanced nonfiction stories, essays, biographies, autobiographies, memoirs, and a district required novel by significant literary figures. Students will learn how to use higher thinking/reasoning skills when discussing literature. Students will deconstruct literature and construct their own meaning. Students will identify and learn the basics of organization, style, and details in a piece of literature, and begin the process of applying this knowledge to their own writing. Students will study the elements of literature as well as literary terms and devices that make up all fictional and non-fiction works of literature.

Classroom writing will include short compositions, such as narrative, research, argumentative/persuasive, and comparison/contrast, while demonstrating the command of the conventions of standard English grammar. Research compositions will identify key details in a piece of literature in order to support an idea, and use details/evidence in their writing.

Students will be required to present in small and large group formats, while demonstrating the command of the conventions of standard English grammar. The use of technology will be integrated in research, writing, projects, and preparing for and presenting oral information.

ADVANCED ENGLISH 8

YEAR

Prerequisite: None
A fee is required.

Grade: 8

This course will move at a faster pace. Students will study a variety of complex, short fictional works and advanced nonfiction essays, biographies/ autobiographies, and memoirs by significant literary figures. Students will read one required district novel. Students will apply their knowledge of organization, style and key details of a piece of literature, and deconstruct its meaning and construct their own meaning of the text and apply it to their own writing. Students will be required to write short compositions, learn the basic five paragraph essay, and write longer works (e.g., research assignments, thematic essays, analytical works).

Students will also learn the basics of MLA (Modern Language Association) style in order to cite sources when extracting information to support their claims in an essay. Students will learn the elements of argumentative and persuasive writing. Students will use higher thinking/reasoning skills while discussing, and writing about literature and concepts.

Students will learn how to construct and present information orally in an effective manner, in both large group or small group discussion formats. Technology will be used in researching, writing and completing projects and presenting oral information.

Honors Coursework

Advanced Placement Coursework

35-1018 HONORS FRESHMAN ENGLISH

YEAR

Prerequisite: None

Grade: 9

A fee is required.

Credit: ½ per sem

This course moves at a faster pace and emphasizes the in-depth and challenging study of fiction including short stories, dramas, and poetry. It also focuses on the comprehension and in-depth analysis of literary non-fiction to discover how such things as organization, style, and details contribute to meaning. Students will be required to complete assignments in the writing of both short compositions and multi-paragraph themes. This course includes the delineation and evaluation of arguments and claims in a text. Students will write arguments to support claims in an analysis of substantive topics as well as using technology to complete short and long research projects. Students will also be required to effectively participate in a range of collaborative discussions (one-on-one, in groups, and teacher-led) by having read and researched the material under study and explicitly drawing on that preparation.

35-2018 HONORS SOPHOMORE ENGLISH

YEAR

Prerequisite: Fresh. English

Grade: 10

A fee is required.

Credit: ½ per sem

This course moves at a faster pace and is designed to focus on a rigorous in-depth study of literature requiring students to integrate and evaluate content presented in diverse formats and media including the validity of the reasoning and relevance of the text. Students will analyze key details and ideas such as theme, complex characters, point of view, style, author's purpose, and word choice, in a wide range of literature and nonfiction. This course will require students to determine and clarify the meaning of unknown words and phrases based on content. Students will produce and publish clear, coherent writing (i.e., persuasive, expository, and narrative), focusing on planning, revising, and editing written essays and integrating multiple sources of information and use of technology. Students will initiate and participate thoughtfully in collaborative discussions and presentations clearly articulating ideas and supporting details.

35-3019 AP® ENGLISH LANGUAGE AND COMPOSITION

YEAR

Prerequisite: Soph. English

Grade: 11,

12

A fee is required.

Credit: ½ per sem

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

35-4019 AP® ENGLISH LITERATURE AND COMPOSITION

YEAR

Prerequisite: Soph. English

Grade: 11, 12

A fee is required.

Credit: ½ per sem

The AP English Literature and Composition course focuses on reading, analyzing and writing imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style and themes, as well as its use of figurative language, imagery and symbolism. Writing assignments include expository, analytical and argumentative essays that require students to analyze and interpret literary works.



College Credit Plus – English

Huber Heights City Schools has an agreement with Sinclair Community College to offer English 1101, English 1201, and Literature 2220 at Wayne High School. Students who opt to participate in this program can earn college credit without leaving the high school campus. Students must meet Sinclair's admission requirements, and will not be responsible for any fees and tuition charged by Sinclair Community College unless the student earns a failing grade or drops/withdraws after the roster date. Because limited enrollment is available at Wayne, priority will be given to seniors/upperclassmen.

35-5101 ENG 1101 ENGLISH COMPOSITION I

SEM

Prerequisite: None
Fee: None

Grades: 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC - 3 semester hours

This course is presented at Wayne High School in partnership with Sinclair Community College (SCC). Prospective students must apply to and be accepted for admission by SCC according to published dates. SCC governs course curriculum and evaluation practices. Students learn reflective, analytical, and argumentative writing strategies, incorporating sources and personal experience; negotiate between public and private rhetorical situations and purposes to achieve academic literacy; and write multiple drafts using a recursive writing process as they work toward fluency in style and mechanics. **This course requires extensive work outside class; students must have routine access to a computer and a printer.**

35-2200 LIT 2220 INTRODUCTION TO LITERATURE

SEM

Prerequisite: None
Fee: None

Grades: 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC - 3 semester hours

This course is presented at Wayne High School in partnership with Sinclair Community College (SCC). Prospective students must apply to and be accepted for admission by SCC according to published dates and meet the prerequisites set forth by SCC. Introduction to Literature introduces students to the major literary genres of literature, including narrative fiction, poetry, and drama. Emphasis is placed on literary terminology and interpretation. Upon completion, students should be able to analyze and respond to literature. Students will effectively and ethically argue their interpretations of literary works using textual evidence and Modern Language Association (MLA) documentation.

35-5201 ENG 1201 ENGLISH COMPOSITION II

SEM

Prerequisite: ENG 1101
Fee: None

Grades: 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC: 3 semester hours

This course is presented at Wayne High School in partnership with Sinclair Community College (SCC). Prospective students must apply to and be accepted for admission by SCC according to published dates and meet the prerequisites set forth by SCC. Students develop rhetorical literacy through research, critical reading, and multi-genre writing tasks. Students construct arguments and analyses, ethically incorporating academic sources while developing their own voices as writers and citizens. **This course requires extensive work outside class; students must have routine access to a computer, a printer, and a library**

Language Arts Electives

35-3020 CREATIVE WRITING

SEM

Prerequisite: Freshman English
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course is designed to afford students the opportunity to develop their writing skills across a range of genres. Students will read literary samples that will serve as examples of the kind of writing students will produce; these include one act plays/screenplays, poetry, short stories, and personal narratives. Students will share their work regularly with classmates while developing their skills in peer and self-editing. Students will create a college-ready portfolio highlighting their work in a multitude of genres. These works will match submission requirements for national publications and students will be encouraged to seek publication.

Language Arts Electives

35-4015 PUBLICATION DESIGN

YEAR

Prerequisite: ELA "C" or better
A fee is required.

Grades: 10, 11, 12*
Credit: ½ per sem

This course focuses on journalistic writing and ideas that produces the Wayne High School Yearbook. Yearbook staff will choose the theme and plan the layout of the yearbook. Students will learn various aspects of the publication process such as page layout, design, copy writing and editing, while producing a creative, innovative yearbook. There will be a heavy focus on journalistic writing in this class which includes interviewing students, teachers, staff and coaches. Taking quality pictures is a skill that will be taught during this course. Real world skills such as time management and teamwork will also be enhanced throughout this course.

Special Note: This is a special class that requires in and out of class work. You must attend assigned school activities and spend an extended period of time finalizing to meet deadlines. It is your duty as a yearbook staff member to cover all events of the school year.

*Seniors may only enroll in this course if they have previously taken it as a 10th or 11th grader or have advisor approval

35-3050 DYSTOPIAN LITERATURE

SEM

Prerequisite: None
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

This class will provide a survey of dystopian literature as well as its connection to past and present historical world events. Dystopian texts explore the social and political choices made by cultures that create a societal decline. These narratives serve as a social commentary against real life tyranny. Students will read short stories, novels and watch films in preparation to discuss and write about ways that fictional and real-world society dehumanizes its citizens. Students will learn common settings and themes utilized in Dystopian Literature.

35-3056 PUBLIC SPEAKING

SEM

Prerequisite: None
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

This course includes basic work in common speech situations and in preparation (researching, organizing, outlining, practicing) and delivery of a variety of public speeches. Building confidence, effective listening skills, and group communications are also emphasized.

35-3010 DRAMA

SEM

Prerequisite: None
A fee is required.

Grades: 9,10, 11, 12
Credit: ½ per sem

This course will focus on the historical and literary development of World and American Drama. Students will be required to self select plays to analyze and present independently. Topics covered may include melodrama, immigration and multiculturalism, the dependence on the American frontier, and censorship in the theatre. Please note that while all of the plays are considered by critics and historians to be seminal works of the stage, some of the plays may include complex content. This class is designed to teach students fundamentals of stagecraft and the art of dramatic expression. Study in the areas of theater history, dramatic literature and criticism, and study and practice in the arts of voice and diction, body language, pantomime, interpretation, acting, directing, makeup, costuming, properties, set design, construction and lighting are included in the class.

35-3030 MULTICULTURAL LITERATURE

SEM

Prerequisite: Freshman English
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

Multicultural literature features works written by African American, Asian American, Native American, and Latino authors. Students will read, discuss, and analyze literary texts to expand and deepen their experiences with diverse voices and perspectives. This will increase students' understanding of traditions and values of varied cultures necessary for living and working effectively in a society with great population diversity.

35-3040 JOURNALISM AND WRITING

SEM

Prerequisite: none
A fee is required.

Grades: 11, 12
Credit: ½ per sem

This course is designed to teach students the various forms of journalism, and the application and analysis of media, as well as writing skills. This course offers students an opportunity to learn about the foundations of journalistic practice. Topics covered: News Articles, Feature Articles and Editorials, Sports Writing, Photojournalism and Analyzing Media.

	French	Spanish	CCP American Sign Language
Grade 7	Intro to French	Intro to Spanish	ASL 1111 Beginning Sign Language I ASL 1112 Beginning Sign Language II ASL 1228 Intermediate Sign Language I
Grade 8	French I	Spanish I	
Grade 9	French I French II	Spanish I Spanish II	
Grade 10	French II French III French III Honors	Spanish II Spanish III Spanish III Honors	
Grade 11	French III French III Honors French IV AP French	Spanish III Spanish III Honors Spanish IV AP Spanish	
Grade 12	French IV AP French	Spanish IV AP Spanish	

College & Career Program: French

The College and Career Program in French helps students develop basic language proficiency in reading, writing, listening, and speaking in the target language. Students also gain an awareness and knowledge of the Francophone culture. Students will develop the skills necessary to succeed in college and/or pursue an international career. The College and Career Program in French will educate students to be linguistically and culturally prepared to function as world citizens. Competency in a second language is now becoming a vital part of the basic preparation of an increasing number of careers. Foreign language skills also enhance one's mobility and can improve chances for promotion.

Intro to French

QUARTER

Prerequisite: None
A fee is required.

Grade: 7

Students will gain basic conversational skills in French while learning about cultures from French speaking countries.

40-1016 FRENCH I

YEAR

Prerequisite: None
A fee is required.

Grades: 8, 9, 10, 11, 12
Credit: ½ per sem

This beginning level class develops basic listening, speaking, reading, and writing skills. Students are also introduced to characteristics of French culture. Students will learn how to have basic conversations in French. Students will read short articles, literary passages, poems, cultural readings, and short books in French. They will be expected to complete a variety of projects, short compositions, and oral presentations in French. The majority of the instruction will be in French.

40-2116 FRENCH II

YEAR

Prerequisite: French I
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

This intermediate class further develops listening, speaking, reading, and writing skills while continuing the discussion of similarities and differences between our culture and that of the French-speaking world. A mastery of material in the previous level helps to ensure success in this class. Students will build on prior knowledge to have more in-depth conversations in French. Students will read longer articles, literary passages, poems, cultural readings, and books in French. They will be expected to do a variety of projects, compositions, and oral presentations in French. The majority of the instruction will be in French.



40-3016 FRENCH III

YEAR

Prerequisite: French II
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course continues the development of listening, speaking, reading, and writing skills. Students continue to compare our culture with that of French-speaking countries and are expected to communicate in French. A mastery of material in the previous level helps to ensure success in this class. Students will build on prior knowledge to have advanced conversations in French. Students will read authentic articles, literary passages, poems, cultural readings, and books in French. They will be expected to do a variety of projects, compositions, and oral presentations in French. The majority of the instruction will be in French.

40-4016 FRENCH IV

YEAR

Prerequisite: French III
A fee is required.

Grade: 11, 12
Credit: ½ per sem

This course is designed to review and expand vocabulary and grammar completed during the previous three years. Emphasis is placed on communication skills. Literature, geography, history, and culture are also included. This class is conducted in French. The focus of this course will be on real world issues with an emphasis on critical thinking, as well as solving these issues.

Honors and Advanced Placement Program: French

The Honors Program in French helps students develop advanced language proficiency in reading, writing, listening, and speaking in the target language. Students will gain a wide depth of knowledge and appreciation for Francophone culture. The Honors and Advanced Placement Program is ideally suited for highly motivated students who wish to gain a higher level of fluency in the French language in order to pursue college majors and careers in French.

40-3018 FRENCH III HONORS

YEAR

Prerequisite: French II
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course continues the development of listening, speaking, and writing skills. Students continue the comparison of cultures. Students will build on prior knowledge to have advanced conversations in French. Students will read authentic articles, literary passages, poems, cultural readings, and books in French. They will be expected to do a variety of projects, compositions, and oral presentations in French. The majority of the instruction will be in French. Students are required to review course material on a daily basis. Students are expected to communicate exclusively in French. Students are expected to move at a faster pace and complete more independent work in this honors-level course. More history and literature are added to the general curriculum.

40-4018 ADVANCED PLACEMENT (AP®) FRENCH

YEAR

Prerequisite: French III*
A fee is required.

Grade: 11, 12
Credit: ½ per sem

This intensive course is designed for the student who has shown a high aptitude for language learning and who desires to achieve a high level of fluency. French is used exclusively in order to develop proficiency in reading, writing, speaking, and listening. Short stories, novels, magazines, newspapers, videos, and the Internet are some of the media used to increase the students' awareness of and appreciation for French history, current events, geography, and culture. Students may opt to earn college credit by taking the Advanced Placement French Language Exam.

****Students who demonstrate fluency in speaking, reading, and writing in French may be approved to enroll in the AP course without the prerequisite.***

College & Career Program: Spanish

The College and Career Program in Spanish helps students develop basic language proficiency in reading, writing, listening, and speaking in the target language. Students also gain an awareness and knowledge of Hispanic culture. Students will develop the skills necessary to succeed in college and/or pursue an international career. The College and Career Program in Spanish will educate students to be linguistically and culturally prepared to function as world citizens. Competency in a second language is now becoming a vital part of the basic preparation of an increasing number of careers. Foreign language skills also enhance one's mobility and can improve chances for promotion.

Intro to Spanish

QUARTER

Prerequisite: None
A fee is required.

Grade: 7

Students will gain basic conversational skills in Spanish while learning about cultures from Spanish speaking countries.

40-1416 SPANISH I

YEAR

Prerequisite: None
A fee is required.

Grade: 8, 9, 10, 11, 12
Credit: ½ per sem

This beginning level class develops basic listening, speaking, reading, and writing skills. Students are also introduced to characteristics of Hispanic culture. Students will learn how to have basic conversations in Spanish. Students will read short articles, literary passages, poems, cultural readings, and short books in Spanish. They will be expected to do a variety of projects, short compositions, and oral presentations in Spanish. The majority of the instruction will be in Spanish.

40-2516 SPANISH II

YEAR

Prerequisite: Spanish I
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

This intermediate class further develops listening, speaking, reading, and writing skills while continuing the discussion of similarities and differences between our culture and that of the Spanish-speaking world. A mastery of material in the previous level helps to ensure success in this class. Students will build on prior knowledge to have more in-depth conversations in Spanish. Students will read longer articles, literary passages, poems, cultural readings, and books in Spanish. They will be expected to do a variety of projects, compositions, and oral presentations in Spanish. The majority of the instruction will be in Spanish.

40-3216 SPANISH III

YEAR

Prerequisite: Spanish II
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course continues the development of listening, speaking, reading, and writing skills. Students continue to compare our culture with that of Spanish-speaking countries and are expected to communicate in Spanish. A mastery of material in the previous level helps to ensure success in this class. Students will build on prior knowledge to have advanced conversations in Spanish. Students will read authentic articles, literary passages, poems, cultural readings, and books in Spanish. They will be expected to do a variety of projects, compositions, and oral presentations in Spanish. The majority of the instruction will be in Spanish.

40-4216 SPANISH IV

YEAR

Prerequisite: Spanish III
A fee is required.

Grade: 11, 12
Credit: ½ per sem

This course is designed to review and expand vocabulary and grammar completed during the previous three years. Emphasis is placed on communication skills. Literature, geography, history, and culture are also included in this course. This class is conducted in Spanish.



Honors and Advanced Placement Program: Spanish

The Honors Program in Spanish helps students develop advanced language proficiency in reading, writing, listening, and speaking in the target language. Students will gain a wide depth of knowledge and appreciation for Hispanic culture. The Honors and Advanced Placement Program is ideally suited for highly motivated students who wish to gain a higher level of fluency in the Spanish language in order to pursue college majors and careers in Spanish.

40-3218 SPANISH III HONORS

YEAR

Prerequisite: Spanish II
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course continues the development of listening, speaking and writing skills. Students continue the comparison of cultures and are expected to communicate in Spanish. Students will build on prior knowledge to have advanced conversations in Spanish. Students will read authentic articles, literary passages, poems, cultural readings and books in Spanish. They will be expected to do a variety of projects, compositions, and oral presentations in Spanish. The majority of the instruction will be in Spanish. Students are required to review course material on a daily basis. Students are expected to communicate exclusively in Spanish. Students are expected to move at a faster pace and complete more independent work in this honors-level course.

40-4218 ADVANCED PLACEMENT (AP®) SPANISH

YEAR

Prerequisite: Spanish III*
A fee is required.

Grade: 11, 12
Credit: ½ per sem

This intensive course is designed for the student who desires to achieve a high level of fluency. Spanish is used exclusively in order to develop proficiency in reading, writing, speaking, and listening. Short stories, novels, magazines, newspapers, videos, and the Internet are some of the media used to increase the students' awareness of and appreciation for Hispanic history, current events, geography, and culture. Students may opt to earn college credit by taking the Advanced Placement Spanish Language Exam.

**Students who demonstrate fluency in speaking, reading, and writing in French may be approved to enroll in the AP course without the prerequisite.*

College Credit Plus - American Sign Language

Huber Heights City Schools has an agreement with Sinclair Community College to offer the American Sign Language courses listed below. Students who opt to participate in CCP can receive both high school and college credit without leaving the high school campus. Students must meet Sinclair's admission requirements, and will not be responsible for any fees and tuition charged by Sinclair Community College unless the student earns a failing grade or drops/withdraws after the roster date. Because limited enrollment is available at Wayne, priority will be given to seniors/upperclassmen.

401111 ASL 1111 BEGINNING AMERICAN SIGN LANGUAGE I SEM

Prerequisite: None
Fees: None

Grades 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC: 3 sem hours

This course provides a foundation for non-signers to study American Sign Language (ASL) and learn about deaf culture. It includes principles, methods and techniques for communicating with deaf individuals who sign. Focusing on development of receptive and expressive sign skills, manual alphabet, numbers, sign vocabulary, syntax, grammar and culture.

401112 ASL 1112 BEGINNING AMERICAN SIGN LANGUAGE II SEM

Prerequisite: ASL 1111
Fees: None

Grades 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC: 3 sem hours

Students will continue to study American Sign Language (ASL) grammatical structure, vocabulary, fingerspelling, use of signing space, conversational regulators and introductory aspects of deaf culture.

401113 ASL 1228 INTERM. AMERICAN SIGN LANGUAGE SEM

Prerequisite: ASL 1112
Fees: None

Grades 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC: 3 sem hours

Students will learn to express abstract concepts in ASL using appropriate grammatical structure, signing space, vocabulary, fingerspelling and nonmanual markers. The course also features continued development of conversational regulators and aspects of deaf culture.

College & Career Program						Advanced, Honors , & AP®			College Credit Plus (CCP)
grade 7	Math 7					Advanced Math 7			MAT 1470: College Algebra
grade 8	Math 8					Algebra I			
grade 9	Algebra I			Algebra 1a		Honors Algebra I Honors Geometry			
grade 10	Geometry			Algebra 1b		Honors Algebra II			
grade 11	Algebra II			Geometry		Pre-Calculus	AP Pre-Calculus	AP Statistics	
grade 12	Short-term Math	MMR	Algebra III	Pre-Calculus or AP	MMR	Calculus	AP Calculus	AP Statistics	
	Long-term Math				Algebra 2				
	Math for Trades				Additional: Elective Math				

College & Career Program

These courses offer students opportunities both to improve and build upon the knowledge of mathematics gained in earlier courses. Whether students plan on attending college, joining the military, or directly entering the work force after high school, these courses focus on the mathematical skills necessary for success in those areas, including preparation for college placement tests and career certification programs. Emphasis is placed on developing strong algebraic and problem solving

MATH 7

YEAR

Prerequisite: None
A fee is required.

Grade: 7

The seventh grade math curriculum follows Ohio's Learning Standards and focuses on five critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples; and (5) investigating chance. Students will be expected to make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, and to look for and express regularity in repeated reasoning.

MATH 8

YEAR

Prerequisite: Math 7
A fee is required.

Grade: 8

The eighth grade math curriculum focuses on four critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem; and (4) working with irrational numbers, integer exponents, and scientific notation.. Students will be expected to make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, and to look for and express regularity in repeated reasoning.

COURSE DESCRIPTIONS

MATHEMATICS DEPARTMENT

65-1011 Algebra 1 A

YEAR

Prerequisite: None

Grades: 9

A fee is required.

Credit: ½ per sem

Algebra 1A is designed to review prerequisite skills for Algebra 1 while covering a portion of the Algebra 1 standards. Algebra 1 topics include solving various types of equations, a study of relations and functions, and a specific focus on linear functions. Students taking this course will complete the Algebra 1 curriculum the following year with Algebra 1B, at the end of which, the state test will be taken.

65-1012 ALGEBRA 1B

YEAR

Prerequisite: Algebra 1A

Grades: 10

A fee is required.

Credit: ½ per sem

Algebra 1B will complete the Algebra 1 curriculum. Topics include systems of equations, exponential functions, polynomials, quadratic functions and factoring, statistics, as well as applications of all functions studied in Algebra 1A and Algebra 1B. Students will be prepared to take the algebra exam required for graduation by the state.

65-1019 ALGEBRA I

YEAR

Prerequisite: Honors 7th or General 8th math

Grades: 8, 9

A fee is required.

Credit: ½ per sem

This course will include topics about relationships between quantities, reasoning with equations, linear and exponential relationships, expressions and equations, quadratic functions and models, and descriptive statistics. **Students need a scientific calculator and/or TI-84.**

65-1316 GEOMETRY

YEAR

Prerequisite: Algebra I

Grades: 9, 10

A fee is required.

Credit: ½ per sem

This course will include topics about lines, angles, triangles (including right triangle trigonometry), quadrilaterals, circles, area, volume, transformations and proofs. Students will use concepts from Algebra I to solve problems related to geometric figures. Developing logical arguments through the use of inductive and deductive reasoning is also emphasized.

65-2015 ALGEBRA II

YEAR

Prerequisite: Algebra I or concurrently with Geometry

Grades: 10, 11, 12

A fee is required.

Credit: ½ per sem

This course includes topics such as polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, drawing inferences and conclusions from data.

Students need a scientific calculator and/or TI-84.

65-3216 ALGEBRA III

YEAR

Prerequisite: Algebra II

Grades: 11, 12

A fee is required.

Credit: ½ per sem

This course will include topics from the following areas: real number systems, quantities, complex numbers, system of equations, matrices, conic sections, polynomial and rational expressions, exponential and trigonometric functions, probability, and statistics. This course is oriented toward the student who is planning on majoring in business, management, economics, or the life and social sciences.

Students need a scientific calculator and/or TI-84.

65-5015 MATH MODELING AND REASONING

YEAR

Prerequisite: Algebra II

Grades: 11, 12

A fee is required.

Credit: ½ per sem

This course will emphasize problem solving strategies while reviewing the arithmetic and algebra skills needed to be successful beyond high school. Problem solving strategies may include strategies such as drawing diagrams, making systematic lists, eliminating possibilities, looking for patterns, organizing data, spatial representation, and physical representation. Students will be taught to more efficiently evaluate the meaning of problems and learn to communicate those solutions orally and in writing.

65-4016 SHORT-TERM FINANCIAL MATH

SEM

Prerequisite: 3 attempted math credits

Grades: 12

A fee is required.

Credit: ½ per sem

This senior level semester course will topics such as gross income, net income, savings and checking accounts, smart shopping, budgeting and other daily living mathematics skills.

This is NOT an NCAA Approved Course.

65-4017 LONG-TERM FINANCIAL MATH

SEM

Prerequisite: 3 attempted math credits

Grades: 12

A fee is required.

Credit: ½ per sem

This senior level semester course will cover topics such as credit cards, loans, student loans, buying/leasing a car, buying a Home, investing and other daily living mathematical skills.

This is NOT an NCAA Approved Course.

65-5016 MATH FOR TRADES

SEM

Prerequisite: 3 attempted math credits

Grades: 12

A fee is required.

Credit: ½ per sem

Students will explore mathematics used in the trade industry. Topics include: general math, fractions, decimals, measurement tools, layouts, area and volume measures.

This is NOT an NCAA Approved Course.

65-3016 PRE-CALCULUS

YEAR

Prerequisite: Algebra II
A fee is required.

Grades: 11, 12
Credit: ½ per sem

This course provides a rich preparation for college courses in calculus. Throughout this course, much emphasis is placed upon deductive reasoning. The principles of logical inference are introduced in the beginning of the course and are used in the development of the remaining topics. The fundamental ideas of calculus (limit and continuity) are presented. The course provides students with a deeper, more complete discussion of complex numbers, exponential and logarithmic functions, and some of the conic sections.

Students need a scientific calculator and/or TI-84.

65-3015 CALCULUS

YEAR

Prerequisite: Pre-Calculus
Fee: None

Grade: 12
Credit: ½ per sem

This course is designed to introduce students to the fundamental principles of differential calculus. Topics covered include a detailed study of limits, the first and second derivative of polynomial, algebraic, exponential, logarithmic, and trigonometric functions with applications to curve tracing, maxima-minima, related-rate word problems, and optimization. Students will also be introduced to the anti-derivative. This course will include a thorough investigation into trigonometric functions. **Students need a scientific calculator and/or TI-84.**

Advanced, Honors, & Advanced Placement Program

These courses offer students opportunities both to improve and build upon the knowledge of mathematics gained in earlier courses and to prepare for a mathematically rigorous course of study in post-secondary education by studying mathematics at a deeper level. Emphasis is placed on developing strong algebraic and problem solving skills, reasoning abstractly and quantitatively, constructing and critiquing logical arguments, and modeling real world situations with mathematics through the use of pattern, structure, and mathematical tools.

ADVANCED MATH 7

YEAR

Prerequisite: Teacher recommendation
A fee is required

Grade: 7

The seventh grade advanced math curriculum follows the Ohio's Learning Standards and focuses on 6 critical areas: (1) working with expressions and linear equations; (2) solving problems involving scale drawings and informal geometric constructions and working with two- and three-dimensional shapes to solve problems involving area, surface area and volume; (3) drawing inferences about populations based on samples; (4) formulating and reasoning about expressions and equations, including modeling association in bivariate data with a linear equation and solving linear equations and systems of equations; (5) grasping the concept of a function and using functions to describe quantitative relationships; (6) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. Students will be expected to make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, and to look for and express regularity in repeated reasoning.

65-1018 HONORS ALGEBRA I

YEAR

Prerequisite: Pre-Algebra
A fee is required.

Grades: 9
Credit: ½ per sem

This course is presented at a challenging pace and with a higher depth of knowledge. This course includes topics about the relationships between quantities, reasoning with equations, linear and exponential relationships, expressions and equations, quadratic functions and models, and descriptive statistics. **Students need a scientific calculator and/or TI-84.**

65-1318 HONORS GEOMETRY

YEAR

Prerequisite: Algebra I
A fee is required.

Grades: 9, 10
Credit: ½ per sem

This intensive course will include topics about lines, angles, triangles (including right triangle trigonometry), quadrilaterals, circles, area, volume, transformations and proofs. Students will use concepts from Algebra I to solve problems related to geometric figures. Developing logical arguments through the use of inductive and deductive reasoning is also emphasized. **Students need a scientific calculator and/or TI-84.**

COURSE DESCRIPTIONS

MATHEMATICS DEPARTMENT

65-2118 HONORS ALGEBRA II

YEAR

Prerequisite: Geometry
A fee is required.

Grades: 9, 10
Credit: ½ per sem

This course is presented at a challenging pace and with a higher depth of knowledge. Topics include topics about polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, drawing inference and conclusion from data. **Students need a scientific calculator and/or TI-84.**

65-3019 ADVANCED PLACEMENT (AP®) PRE-CALCULUS YEAR

Prerequisite: Honors Algebra II or
Algebra II w. teacher rec
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

In AP Pre-Calculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions and they examine scenarios through multiple representations. They will learn how to observe, explore and build mathematical meaning from dynamic systems, an important practice for thriving in an ever changing world. AP Pre-Calculus prepares students for other college-level mathematics and sciences courses. The framework delineates content and skills common to college pre-calculus courses that are foundational for careers in mathematics, physics, biology, health sciences, social sciences and data science. Those who take and pass the AP Pre-Calculus course will be more prepared for AP Calculus. **Students need a scientific calculator and/or TI-84.**

65-5019 ADVANCED PLACEMENT (AP®) STATISTICS YEAR

Prerequisite: Algebra II
A fee is required.

Grade: 11, 12
Credit: ½ per sem

The course follows the syllabus recommended by the College Entrance Examination Board and is taught at a challenging pace. It will cover exploring data, sampling and experimentation, anticipating patterns, and statistical inference through the use of technology, projects, labs, cooperative problem solving, and writing. The emphasis will be on conceptual understanding. The class is an appropriate preparation for college whether one is studying social or physical sciences. **It is highly recommended that students have a graphing calculator for this course.**

65-4019 ADVANCED PLACEMENT (AP®) CALCULUS YEAR

Prerequisite: Pre-Calculus
A fee is required.

Grade: 12
Credit: ½ per sem

The course follows the syllabus recommended by the College Entrance Examination Board and is taught at a much faster pace and at a deeper level than Calculus. During the first semester, This course includes a review and extension of analytic geometry, derivatives of algebraic expressions and their applications, and simple indefinite integrals. During the second semester, the course continues with application of integration to area, volume, and arc length; differentiation and integration of transcendental functions; formal integrations; sequences and series; and elementary differential equations. **Students need a scientific calculator and/or TI-84.**

College Credit Plus - Math

Huber Heights City Schools has an agreement with Sinclair Community College to offer the Math course listed below. Students who opt to participate in CCP can receive both high school and college credit without leaving the high school campus. Students must meet Sinclair's admission requirements, and will not be responsible for any fees and tuition charged by Sinclair Community College unless the student earns a failing grade or drops/withdraws after the roster date. Because limited enrollment is available at Wayne, priority will be given to seniors/upperclassmen.

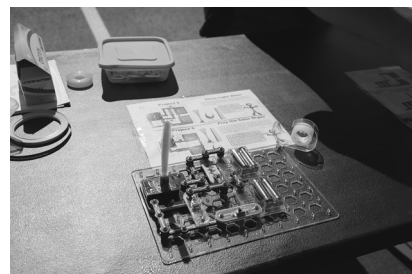
65-1470 MAT 1470 COLLEGE ALGEBRA

SEM

Prerequisite: None
Fees: None

Grades 7, 8, 9, 10, 11, 12
Credits: WHS - 1 per course
SCC: 3 sem hours

Polynomial, radical, rational, exponential and logarithmic functions and their graphs; roots of polynomial functions, rational and polynomial inequalities; systems of linear and nonlinear equations; matrices; and applications. Students will be able to graph polynomial, exponential, rational, and logarithmic functions, determine the properties of functions, and solve algebraic equations and systems of equations.



Credentialing

20-0000 NRF RISE-UP CREDENTIAL

SEM

Counselor Advised

Grades: 11,12
Credit: ½ per sem

Students in this course will have the opportunity to earn two different credentials, totaling 12 points toward graduation and the industry credential seal.

Rise-Up Industry Fundamentals Credential:

Learners who earn this certificate will develop basic customer service skills, math skills to conduct sales transactions and an understanding of the retail industry, its impact on the economy and the diverse jobs available. Best practices for interviewing and exploring career paths are also covered.

Rise-Up Customer Service and Sales Credential:

Learners who earn this certification will master customer service and sales skills, including understanding the customer life cycle, developing effective strategies to engage customers, assessing customer needs and closing sales. Best practices for building resumes and navigating job searches are also covered.

Electives

15-4545 SPORTS OPERATIONS AND MANAGEMENT SEM

Prerequisite: None
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

This course is designed to introduce students to sports operations and management, with emphasis on school sports, sports technology and sports media. Students have the opportunity to work with OHSAA officials to obtain credentials and licenses.

15-1055 ACT PREP SEM

SEM

Prerequisite: None
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course aims to provide students with an extensive preparation for the ACT test that is used for college admittance and/or scholarship opportunities. Students will spend one quarter preparing for the English and Reading portions of the test and the other quarter preparing for the Math and Science portions of the test. **This is a satisfactory/unsatisfactory course.**

Pathway Experiences

50-4000 TEACHER ACADEMY

SEM

Prerequisite: none

Grades: 12
Credit: 1 per sem

This course offers students who are interested in becoming educators an introduction to teaching at all grade levels. The course is a combination of classroom instruction about curriculum, instructional practice, building relationships, classroom management and human resources along with field experience. Students are expected to complete a minimum of 30 hours of field experience at a school in Huber Heights. Students should have reliable transportation to be able to participate in field experience. This course will be run over two periods in a single semester.

50-6000 WORKFORCE READINESS

SEM

Counselor Advised

Grades: 11, 12
Credit: ½ per sem

This course offers students who are employed or looking for employment an opportunity to earn elective credit. Students in this course will be held accountable through performance reviews, site visits from an assigned staff member or mentor and evidence of professional skills as defined by the Ohio Means Jobs Readiness Seal. This course will be a combination of classroom instruction and work-based learning experiences. **Students in this course have the opportunity to earn the Ohio Means Jobs Readiness Seal. This is a satisfactory/unsatisfactory course.**



College & Career Program						Advanced, Honors , & AP®				Electives	
grade 7	Integrated Science 7										
grade 8	Integrated Science 8					Physical Science					
grade 9	Physical Science					Honors Biology & Honors Physical Science				Forensics I Forensics II	
grade 10	Biology					Honors Chemistry	AP Biology	Honors Human Anatomy & Physiology	Honors/AP Physics		
grade 11	Material Science	Chemistry	Human Anatomy & Physiology	Environmental Science	Physics	AP Chemistry					
grade 12											

College & Career Program

The college and career program is designed for students to be ready to utilize scientific concepts in college or their career. Students in these courses will be required to develop questioning and higher-level thinking skills, perform laboratory experiments, and apply basic mathematical operations to science concepts. This program is designed for all students regardless of their career goals.

INTEGRATED SCIENCE 7

YEAR

Prerequisite: None
A fee is required.

Grade: 7

Integrated science is a year-long course that follows Ohio's Learning Standards. This course gives students a solid foundation for 8th-grade science and the various high school courses. This class focuses on Scientific Inquiry with a focus on order and organization, Earth Science with a focus on hydrologic cycles, atmospheric and oceanic currents, and the relationship between thermal energy and currents; Life Science with a focus on cycles of matter and flow of energy within the biotic component of ecosystems; Physical Science with the focus on the conservation of mass and energy, transformation, and transfer of energy, and Chemistry with an emphasis on the particle nature of matter, energy, and substances and their properties to contextualize chemistry concepts in real-world experiences.

INTEGRATED SCIENCE 8

YEAR

Prerequisite: None
A fee is required.

Grade: 8

Integrated science is a year-long course that follows Ohio's Learning Standards. This course gives students a solid foundation for the various high school courses. This course focuses on Scientific Inquiry with a continued focus on order and organization from 7th grade; Earth Science with an emphasis on physical features of earth, how they were formed including the rock record, plate tectonics, and landforms, cycles and patterns of earth and moon; Life Science with a focus on the continuation of species, physical science with a focus on forces and motion within, on and around the earth and within the universe, and Chemistry which investigates the molecular nature of food, how organisms use food for energy and building blocks, how plants produce food during photosynthesis, and how organisms use food during cellular respiration.

COURSE DESCRIPTIONS

SCIENCE DEPARTMENT

75-1016 PHYSICAL SCIENCE

YEAR

Math Co-requisite: Algebra I
A fee is required.

Grades: 8, 9
Credit: ½ per sem

This yearlong course follows Ohio's learning standards. Concepts include the nature of matter & energy, identifiable physical properties of substances, properties of forces that act on objects. Students learn about forces & motion, structures & properties of atoms, and how atoms react with each other.

75-2156 BIOLOGY

YEAR

Prerequisite: Physical Science
A fee is required.

Grades: 9, 10
Credit: ½ per sem

This yearlong science course follows Ohio's learning standards and is designed to prepare students for the end of course exam in Biology. This course teaches the fundamental principles of modern life science, & provides an laboratory experience that engages students in asking valid scientific questions, gathering & analyzing information. Focuses include; diversity and interdependence of life, cell biology, heredity and evolutionary biology. Students must prepare and participate in all lab activities.

75-2056 HUMAN ANATOMY AND PHYSIOLOGY

YEAR

Prerequisite: Biology
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course is designed to introduce students to careers in the Allied Health fields & the structure and function of the human body. Units are organized in groups of related organ systems. Systems are approached from simple to increasingly complex levels. Student develop an appreciation for the workings and intricacies of the body. Students investigate new technologies and discuss societal issues related to these new procedures.

75-3015 ENVIRONMENTAL SCIENCE

YEAR

Prerequisite: Biology
A fee is required.

Grades: 11, 12
Credit: ½ per sem

Environmental Science is designed to make students aware of the relationship of humans to the environment. The course completes a study of our natural resources, water and air problems, food and energy relationships, and the environmental problems of our world. The student gains an appreciation for the impact humans have on the environment and a better understanding for why we need to improve and conserve our natural resources. Students also become familiar with current environmental issues and policies.

75-2216 CHEMISTRY

YEAR

Prerequisite: Biology
A fee is required

Grades: 10, 11, 12
Credit: ½ per sem

This is an academic, college-prep course. Math application skills are used extensively throughout the course. Topics include concepts which apply to elements, compounds, & mixtures; dimensional analysis; atomic structure; chemical names & formulas; the quantum mechanical model of the atom; periodicity; chemical bonds; and states of matter; the study of chemical reactions; stoichiometry; thermochemistry; gases and gas laws; solutions; equilibrium; and acids and bases. Laboratory work will parallel class discussion, complementing the concepts being presented.

75-3016 PHYSICS

YEAR

Prerequisite: Biology
Math co-requisite: Algebra II
or MMR

Grades: 10, 11, 12
Credit: ½ per sem

A fee is required.

Physics is an introductory course designed for any student, regardless of their career goals. Students will study and analyze a variety of motions observed in everyday life and the laws governing them. The first semester deals with problem solving skills, motion, vectors, projectiles and forces. The second semester is a continuation of the first and topics include work, energy, momentum, electricity, waves and optics

75-3017 MATERIAL SCIENCE

YEAR

Prerequisite: Biology
& Physical Science

Grades: 11, 12
Credit: ½ per sem

A fee is required.

Material Science is designed to introduce students to the science behind solid matter they experience everyday. The course is broken down into four major categories: metals, ceramics/glass, plastics (polymers) and composites. Through many hands-on experiences and a project based approach, the goal is for students to leave with a better understanding as to the why "stuff" is made of certain materials.

Honors Coursework

75-1018 HONORS PHYSICAL SCIENCE

YEAR

Math Co-requisite: Algebra I

Grade: 9

A fee is required.

Credit: ½ per sem

This yearlong course follows Ohio's learning standards.

Concepts include the nature of matter & energy, identifiable physical properties of substances, and properties of forces & motion, structures & properties of atoms, and how atoms react with each other. All students in Honors Physical Science are required to do a science fair project.

75-2158 HONORS BIOLOGY

YEAR

Prerequisite: Physical Science

Grades: 9, 10

A fee is required.

Credit: ½ per sem

This is a yearlong science course following Ohio's learning standards **and designed to prepare students for the end of course exam in Biology.** An inquiry-based laboratory experience engages students in asking valid scientific questions while gathering and analyzing information. Study focuses on the diversity and interdependence of life, cell biology, heredity and evolutionary biology. This lab-oriented course requires students to prepare and participate in all lab activities. This course is rigorous and challenging beyond the regular Biology curriculum.

75-2218 HONORS CHEMISTRY

YEAR

Prerequisite: Biology

Grades: 10, 11, 12

A fee is required

Credit: ½ per sem

This is an academic, college-prep course. Math application skills are used extensively throughout the course. Focus areas include elements, compounds, and mixtures; dimensional analysis; atomic structure; chemical names and formulas; the quantum mechanical model of the atom; periodicity; chemical bonds; and states of matter; the study of chemical reactions; stoichiometry; thermochemistry; gases and gas laws; solutions; equilibrium; and acids and bases. Laboratory work will parallel class discussion, complementing the concepts being presented.

75-2058 HONORS HUMAN ANATOMY

YEAR

Prerequisite: Biology

Grades: 10, 11, 12

A fee is required.

Credit: ½ per sem

Honors Human Anatomy and Physiology is an intensive study of the structure and function of the human body. The course is designed for students interested in a career in a health related profession or those interested in understanding how their body functions. The knowledge gained will make any future Anatomy and Physiology course easier. Laboratory experiments and dissections will be an integral part of this course.

75-3018 HONORS PHYSICS

YEAR

Prerequisite: Biology

Grades: 10, 11, 12

Math co-requisite: Algebra II or MMR

Credit: ½ per sem

A fee is required.

Honors Physics is designed for the advanced science student and those thinking about a possible career in the sciences. Students will study and analyze a variety of motions observed in everyday life and the laws governing them. The first semester deals with problem solving skills, motion, vectors, projectiles and forces. The second semester is a continuation of the first and topics include work, energy, momentum, electricity, waves and optics.

Through differentiated coursework, students can engage in the Advanced Placement required curriculum. These students will be eligible to take the AP exam at the end of the course.



COURSE DESCRIPTIONS

SCIENCE DEPARTMENT

Advanced Placement Coursework

Science Electives

75-4019 ADVANCED PLACEMENT (AP®) BIOLOGY

YEAR

Prerequisites: Biology
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

75-2019 ADVANCED PLACEMENT (AP®) CHEMISTRY

YR

Prerequisites: Chemistry
Math co-requisite: Algebra II
A fee is required.

Grades: 11, 12
Credit: ½ per sem

AP Chemistry is a college level course that provides students with a foundation to support future advanced course work in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

75-3014 FORENSICS I

SEM

Co-requisites: Biology
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

Forensic Science is the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, trace evidence analysis, poisons, blood spatters and blood samples. Students are taught the proper collection, preservation and laboratory analysis of various samples.

75-4014 FORENSICS II

SEM

Prerequisites: Forensics I
A fee is required.

Grades: 9, 10, 11, 12
Credit: ½ per sem

This course delves deeper into the intersection of science and the criminal justice system, providing students with a comprehensive understanding of forensic techniques and their applications in real-world investigations. Building on foundational knowledge, this course covers advanced topics such as digital footprints, handwriting analysis, ballistics, arson and specialized forensic scientist roles in the criminal justice system.



College & Career Program Advanced, Honors & AP®			College Credit Plus (CCP)
grade 7	Social Studies 7		CCP PSY 1100 General Psychology CCP SOC 1101 Introduction to Sociology CCP HIS 1102 United States History II CCP PHI 2206 Introduction to Ethics CCP HIS 1112 Western Civilization II
grade 8	Social Studies 8		
grade 9	Modern World History	Honors Modern World History	
grade 10	American History	Honors American History AP US History	
grade 11	American Government	AP US Government & Politics	
grade 12		Honors American Government	

College & Career Program

Social Studies courses will help students prepare for college and career by utilizing the following skills: reading and listening comprehension, citizenship, research, note taking, interpretation, analysis, oral and written communication, leadership, critical thinking, and technical, analytical, and organizational problem solving.

SOCIAL STUDIES 7	YEAR
Prerequisite: None	Grade: 7
Fee: None	
WORLD STUDIES FROM 750 B.C. TO 1600 A.D: ANCIENT GREECE TO FIRST GLOBAL AGE The seventh grade year is an integrated study of world history, beginning with ancient Greece and continuing through global exploration. Students make connections between historical events, such as the rise and fall of empires and the rise of democracy, and understand long-term changes and recurring patterns in world history. Students develop their understanding of how ideas and events from the past have shaped the world today.	
SOCIAL STUDIES 8	YEAR
Prerequisite: None	Grade: 8
Fee: None	
U. S. STUDIES FROM 1492 TO 1877: EXPLORATION THROUGH RECONSTRUCTION The eighth grade year examines the American experience from European exploration and the early years of the United States to pre-colonial times through Reconstruction following the Civil War. Social history is explored from a chronological point of view with lessons that develop the students' abilities to analyze, interpret, and evaluate different forms of information.	

80-1116 MODERN WORLD HISTORY	YEAR
Prerequisite: None	Grade: 9
Fee: None	Credit: ½ per sem
This course examines world events from Enlightenment to the present. This course emphasizes the study of history, geography, economics, government and sociology from a global perspective. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independent movements and the effects of global interdependence.	
80-2016 AMERICAN HISTORY	YEAR
Prerequisite: None	Grade: 10
Fee: None	Credit: ½ per sem
American History is a year-long course that fulfills the tenth grade Social Studies requirement. This course examines the history of the United States of America from 1877 to the present. The episodes of its past have shaped the nature of the country today. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.	

COURSE DESCRIPTIONS

SOCIAL STUDIES DEPARTMENT

80-4016 AMERICAN GOVERNMENT

YEAR

Prerequisite: None
Fee: None

Grade: 11, 12
Credit: ½ per sem

American Government is a survey of the origin, growth, organization, and functional characteristics of our national, state, and local governments. The course will focus on the founding documents of this nation, the Constitution and the Bill of Rights, as well as the political party and election process. The formal institutions of American government are explored in-depth as well as economic policy, foreign policy and state and local government. Emphasis will be placed on education towards better citizenship.

Honors Coursework

80-1118 HONORS MODERN WORLD HISTORY

YEAR

Prerequisite: None
Fee: None

Grade: 9
Credit: ½ per sem

This course examines world events from Enlightenment to the present. Honors Modern World History emphasizes the study of history, geography, economics, government and sociology from a global perspective. The goal of this course is to give students a deeper understanding and awareness of the impact that cultural contributions of various civilizations have made around the world. Civilizations will include cities, well-organized governments, job specialization, social classes, art, architecture and writing.

80-2018 HONORS AMERICAN HISTORY

YEAR

Prerequisite: None
Fee: None

Grade: 10
Credit: ½ per sem

Honors American History will focus on the significance of people and events along with change over time. Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement. Thru recent events and trends that have shaped modern-day America. The reading of primary source documents is a key feature of United States History standards. Special emphasis will also be made on in-depth thinking skills, reasoning, and writing.

80-4018 HONORS AMERICAN GOVERNMENT

YEAR

Prerequisite: None
Fee: None

Grade: 11, 12
Credit: ½ per sem

This course has been designed to teach students about the American Government through founding documents, Supreme Court decisions and elements from the news media. Further, some facets of the law will be explored by close examination of case law in specific areas such as Torts, Probate, Family Law, etc. Students will demonstrate mastery of materials via written response to inquiry, classroom discussion, case analysis and whole class simulations. Simulations may include the production of "new" founding documents, passing mock legislation and participating in Mock Trial and competition in Moot Court events.

80-3658 HONORS AFRICAN AMERICAN STUDIES

YEAR

Prerequisite: American History
A fee is required

Grades: 11, 12
Credit: ½ per sem

Honors African American Studies covers all the content in AA I & II in addition to content outlined by the AP Board. This is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African Kingdoms to the ongoing challenges and achievements of the contemporary movement. Given the interdisciplinary character of AA studies, students in this course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual and data analysis skills. This course foregrounds a study of diversity of Black communities in the United States within the broader of Africa and African diaspora.



COURSE DESCRIPTIONS

SOCIAL STUDIES DEPARTMENT

Advanced Placement Coursework

80-2019 ADVANCED PLACEMENT (AP®) US HISTORY

YR

Prerequisite: None

Grade: 10, 11, 12

Fee: None

Credit: ½ per sem

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

80-4019 ADVANCED PLACEMENT (AP®) US GOVERNMENT AND POLITICS

YEAR

Prerequisite: None

Grade: 11, 12

Fee: None

Credit: ½ per sem

AP® U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

College Credit Plus (CCP)

HHCS has an agreement with Sinclair Community College to offer several CCP social studies courses at Wayne High School, some of which are offered in alternating years. Students can receive both high school and college credit without leaving the high school campus.

College Credit Plus (CCP)

80-1100 PSY 1100 GENERAL PSYCHOLOGY

SEM

Prerequisite: None

Grades: 7, 8, 9, 10, 11, 12

Fee: None

Credits: WHS - 1 per course

SCC - 3 sem hours

This is a university-parallel course covering history and systems of psychology, behavioral research methods, physiology of behavior, sensation, perception, learning, memory, consciousness, cognition, personality, lifespan development, gender, social psychology, motivation, emotion, stress, mental disorders and therapies.

80-1101 SOC 1101 INTRODUCTION TO SOCIOLOGY

SEM

Prerequisite: None

Grades: 7, 8, 9, 10, 11, 12

Fee: None

Credits: WHS - 1 per course

SCC - 3 sem hours

A critical analysis of contemporary American society with review of major sociological theories, research methods, culture, socialization, groups, social structure, social institutions, deviance, social inequalities, social processes and social change.

80-1112 HIS 1112 WESTERN CIVILIZATION II

SEM

Prerequisite: None

Grades: 7, 8, 9, 10, 11, 12

Fee: None

Credits: WHS - 1 per course

SCC - 3 sem hours

This course is an examination of the major trends in the development of Western culture, emphasizing political, economic, social and cultural achievements from the seventeenth century to the present.

80-1114 HIS 1102 UNITED STATES HISTORY II

SEM

Prerequisite: None

Grades: 7, 8, 9, 10, 11, 12

Fee: None

Credits: WHS - 1 per course

SCC - 3 sem hours

This course examines the development of the people of the United States in political, social, economic, and cultural areas from Reconstruction to the present.

80-1115 PHI 2206 INTRODUCTION TO ETHICS

SEM

Prerequisite: None

Grades: 7, 8, 9, 10, 11, 12

Fee: None

Credits: WHS - 1 per course

SCC - 3 sem hours

A historical inquiry into the major concepts and attitudes of moral and ethical theory in Western society, emphasizing the role of human responsibility and the conditions for making ethical judgments.

COURSE DESCRIPTIONS

SOCIAL STUDIES DEPARTMENT

Social Studies Electives

80-3757 OHIO HISTORY

SEM

Prerequisite: None
A fee is required

Grades: 9, 10, 11, 12
Credit: ½ per sem

This course is a survey of Ohio's history, from the time of the mound builders, through conflicts between the British and French Empires, to the creation of Ohio as a state. Much of the focus is on the events of the 19th century, as Ohio was a central battleground in the conflicts over slavery, abolition, labor and industrial groups.

80-3756 CURRENT EVENTS

SEM

Prerequisite: None
A fee is required

Grades: 11, 12
Credit: ½ per sem

Current Events is a one semester course aimed at better familiarizing students with the world around them. They will attain a greater comprehension of national, international, state and local issues and how those issues directly impact them. The class will follow daily news events and students will be expected to understand the social, political and economic issues on a daily basis. The objectives of the course are: to make the connection between current events and history, to enhance the student's understanding of world events, to encourage students to be informed and be active citizens and to help them make intelligent decisions as they participate in the world around them.

80-3356 SOCIOLOGY

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

Sociology is the scientific study of human groups such as the family, the playgroup, labor unions, fraternal organizations, etc. This course examines the structure of these groups and how they are put together. It studies the functions of these groups, how the group affects its various members, how the members affect the group, and why some groups survive and others disappear. Class systems are considered. Part of this study is devoted to addressing the major issues facing our society today, such as crime and delinquency, minority issues, divorce, the use of drugs, and overpopulation.

80-3456 PSYCHOLOGY I

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

Psychology I is a one-semester course that provides an introduction to the historical roots of psychology and explores the biological and social foundations of human behavior. Other areas of focus include life span development, research methods, careers in psychology, and how human beings process and learn information. Students complete the course with a comprehension of psychology and its impact on modern-day society.

80-3556 PSYCHOLOGY II

SEM

Prerequisite: Psychology I
Fee: None

Grades: 11, 12
Credit: ½ per sem

Psychology II is for students who want a more in-depth study of the topic. The areas of focus include stress, coping and health, states of consciousness, personality and assessment, motivation and emotion, psychological disorders, and the treatment of psychological disorders. Students complete the course with a richer, more complex approach that explains human behavior and a greater understanding of the effect of psychology as a social science.

80-3656 AFRICAN AMERICAN STUDIES I

SEM

Prerequisite: None
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

African American Studies I is a conceptually driven course that introduces students to the rich, diverse history and culture of African Americans. The goal of the course is to broaden the knowledge and understanding of students interested in learning about history, citizenship, culture, economics, science, technology, geography, and the political realities of African Americans. This course will examine the experience and roles that African Americans have had in shaping the history of the United States from 1609 through the Civil War.

80-3657 AFRICAN AMERICAN STUDIES II

SEM

Prerequisite: none
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

This course is a continuation of African American Studies I, which is also NOT a prerequisite for this class. Students will study United States history from the African American perspective from the Civil War to World War II. This course will be taught using the National Council for Social Studies Standards. We will study the efforts to integrate African Americans into the life of the United States during the Civil War and Reconstruction. We will also study how African Americans were kept separate under the system of segregation.

80-1015 WORLD GEOGRAPHY

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

This course will provide students with a basic foundation to better understand the world through a geographic analysis of world regions. Using maps to locate the world's physical features and political divisions are important course objectives. Regional geography, history, economics and social structures will be examined.

80-3659 HISTORY THROUGH FILM

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

Students will analyze how filmmakers interpret historical narratives and the impact of these interpretations on public perception. The course will emphasize critical writing, encouraging students to engage deeply with both the historical content and the medium of film. Due to the ESRB ratings of some of the films, participants will be required to have a permission slip signed by their parent/guardian.

Sample Course Planning Guide – Grades 7-12

Planning in advance makes it easier to select courses for the years ahead. Remember to plan courses to meet the requirements for graduation (20) credits and entrance requirements of your chosen post high school study or specific vocation. Additionally, if you plan to earn an Honors Diploma and/or participate in collegiate athletics, please consider those requirements when making your course selections. Please see p. 5 and 6 for guidance to help complete your plan.

7 th GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Health & Design/Modeling	
Electives: Up to 4 from page six	

8 th GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Electives: Up to 6 from page six	
TOTAL CREDITS	

FRESHMAN YEAR	CREDIT
TOTAL CREDITS	

SOPHOMORE YEAR	CREDIT
TOTAL CREDITS	

JUNIOR YEAR	CREDIT
TOTAL CREDITS	

SENIOR YEAR	CREDIT
TOTAL CREDITS	

Notes:

- All 7th & 8th grade students are required to take exploratory classes.
- If eligible, 8th graders may earn high school credit for Algebra, Physical Science, Music Appreciation and History, French/or and Spanish.
- PE and Health must also be taken at the high school level.
- Students who take a full schedule and pass all of their classes will earn more than the 20 credits required for graduation.

OVERALL TOTAL CREDITS _____