

Program of Studies



Wayne High School
Weisenborn JH
2023-2024

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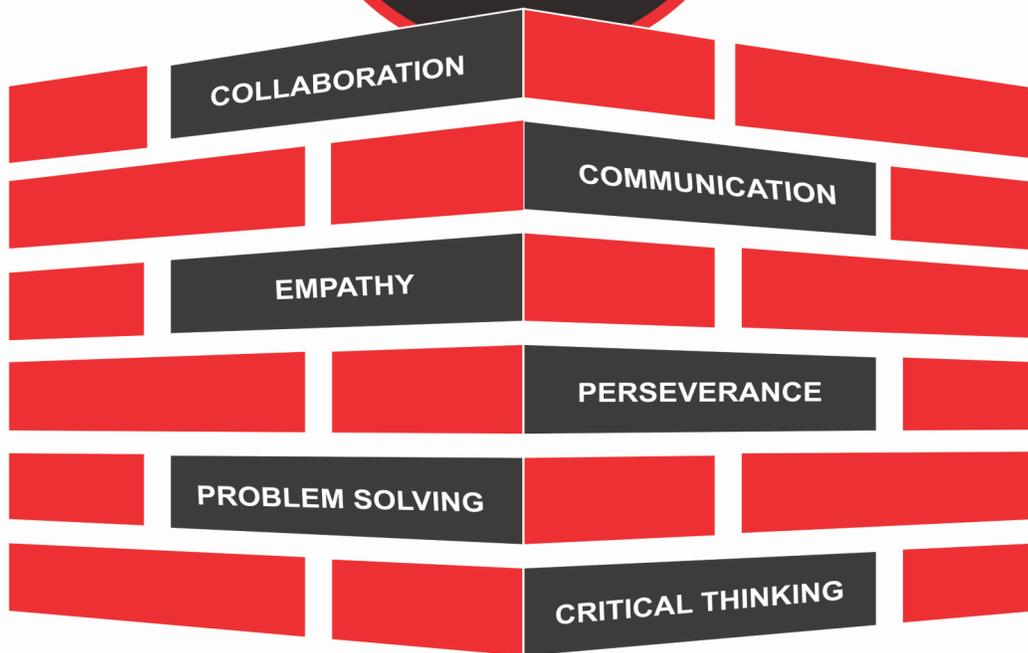
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PORTRAIT OF A WARRIOR



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 six (6) 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, and 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 2023, 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, Interim Principal
Josh Hazelrigg, Assistant Principal
Tammy Helton, School Counselor
Amy Van Dyke, School Counselor

Wayne High School

Brent Carey, Principal
Dorian Glover, Assistant Principal
Tonya King, Assistant Principal
Cameron McCoy, Assistant Principal
Brenda Abels, School Counselor
Kelly Fisher, School Counselor
Josalyn 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	
Introduction to Biomedical Science	
PE/Band/Choir/Intro to Computer Science	
Art I/Art II/General Music	

8 th GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Intro to Computer Science	
Introduction to Biomedical Science	
PE/Band/Choir	
Art I/Art II/General Music	
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
TOTAL CREDITS	5.5

SOPHOMORE YEAR	CREDIT
Sophomore English*	1
Geometry*	1
Biology*	1
American History*	1
Financial Literacy*/Health*	1
Career Exploration or Elective or Career Tech Course	1
TOTAL CREDITS	6

JUNIOR YEAR	CREDIT
Junior English*	1
Math*	1
Advanced Science*	1
American Government*	1
Career Tech Course or Elective	1
¹ Art I/Music Appreciation and History*	1
TOTAL CREDITS	6

SENIOR YEAR	CREDIT
Senior English*	1
Math *	1
Elective	1
Elective	1
Career Tech Course or Elective	1
Career Tech Course or Elective	1
TOTAL CREDITS	6

* graduation requirement

23.5

Notes:

OVERALL TOTAL CREDITS _____

- 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 due to the placement in Read 180 and Band or Choir.
- 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.
- 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. 39
Choir (7,8), p. 38
French I (8), p. 43
Spanish I (8), p. 43

Wayne

AFJROTC, p. 26

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

BUSINESS, p. 20

Accounting (10-12)
Yearbook (9-12)

CAREER TECHNOLOGY, p. 23/24

*The first full-year course in each of the following pathways is designed as an elective to introduce that pathway.

Agriculture Services, p. 25

Agriculture, Food and Natural Resources (9-12)

Interactive Multimedia, p. 30

Digital Design (9-12)

PLTW Biomedical Science, p. 32

Hrs Principles of Biomedical Science (9,10)

PLTW Computer Science, p. 33

Hrs Computer Science Essentials (9-12)

PLTW Engineering, p. 34

Hrs Introduction to Engineering Design (9, 10)

FINE ARTS, p. 38

Vocal Music, p. 38

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

Instrumental Music p. 39

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

Visual Arts, p. 40

AP® Studio Art: 2D Design (10-12)

WORLD LANGUAGES, p. 49

French, p. 49

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

Spanish, p. 51

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

Semester Classes

Weisenborn

Art I (7,8) p. 40
Art II (7,8) p. 40
Introduction to Biomedical Science (7,8), p.31
Intro to Computer Science I (7,8), p.31
Music Appreciation and History (8), p. 38
General Music (7,8), p. 38
Physical Education (7,8), p. 42
Career Tech Intro Lab (8) p. 23

CAREER TECHNOLOGY, p. 23/24

Construction Carpentry, p. 28

Intro to Construction Carpentry (9,10)

HVAC, p. 29

Intro to HVAC (9,10)

Welding, p. 36

Intro to Welding (9,10)

Wayne

BUSINESS, p. 20

Technical Applications I &II (9-12)*
*Grades 9 and 10 are preferred
Business Foundations (9-12)
Social Media & Marketing (9-12)
Career Exploration (9-12)
Business Law (10-12)
Business Management (10-12)
Financial Literacy I (10-12)
Financial Literacy II (10-12)

ENGLISH LANGUAGE ARTS, p. 48

Creative Writing (10-12)
Drama (9-12)
Multicultural Literature (10-12)
Public Speaking (10-12)

FINE ARTS, p. 38

Music Appreciation and Exploration pg.38

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

Visual Arts, p. 40

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

CREDENTIALS & GENERAL STUDIES, p. 37

NRF Rise-Up (11,12)
Study Skills (9-12)

HEALTH and PE, p. 42

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

SOCIAL STUDIES, p. 65

African American Studies I (10-12)
African American Studies II (10-12)
Current Events (10-12)
Economics (11,12)
Psychology I (11,12)
Psychology II (11,12)
Sociology (11,12)
World Geography & Cultures (11,12)

PREPARING FOR GRADUATION

Graduation Requirements

Subject Area	Class of 2023 and Beyond Students who entered grade 9 between July 1, 2019 and June 30, 2020
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 include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.
- 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

Class of 2023 and Beyond - 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.

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*

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

** 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 Guidance 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, 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

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. 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 2023 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.**



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	=	20% of semester grade
		100%

VALEDICTORIAN AND SALUTATORIAN SELECTION

The Board, in the interest of encouraging outstanding academic achievement, shall recognize a valedictorian and a salutatorian for each high school graduating class.

The valedictorian is defined as the graduating senior with the highest weighted cumulative grade point average during high school. The salutatorian is defined as the graduating senior who has received the second highest weighted cumulative grade point average during high school.

Selection of valedictorian and salutatorian will be 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, non-public, or home-based 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.

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.

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. Please see pp. 14-15 for information.

EARLY GRADUATION

Early graduation has been approved by the Board of Education. Interested students should consult with their counselors regarding eligibility and the application process.

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.**

PREPARING FOR GRADUATION

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.

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: Most students will schedule their courses on-line. Specific directions and assistance will be available when the scheduling process begins.

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, 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
Honors Engineering Design & Development
Honors Computer Science Essentials
Honors Computer Science Principles
Honors Computer Science A

SCIENCE

Honors Biology
Honors Physical Science
Honors Chemistry
Honors Human Anatomy
Honors/AP® Physics
AP® Chemistry
AP® Biology
CCP GLG 1101 Physical Geology
CCP GLG 1401 Environmental Geology

SOCIAL STUDIES

Honors Modern World History
Honors American History
Honors American Government
AP® American History
AP® US Government and Politics
CCP PSY 1100 General Psychology
CCP SOC 1101 Introduction to Sociology
CCP HIS 1101 United States History I
CCP HIS 1102 United States History II
CCP PHI 2206 Introduction to Ethics
CCP HIS 1111 Western Civilization I
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 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
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus ⁵	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	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶
Additional Assessments	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

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, and 4 units in English. The class of 2021 and beyond will need to have ½ unit in world history and civilizations as well.

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.

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

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

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

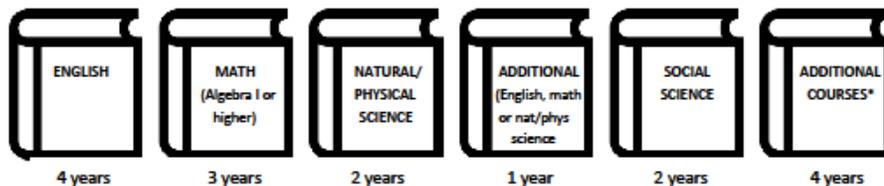
If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

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.

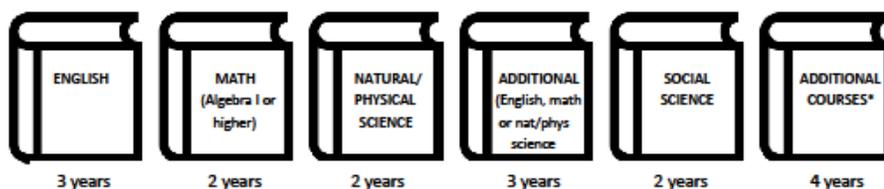
Take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you register to take a test. If you take a test more than once, the best scores from each test section will be used to create 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 I
Honors Algebra I
Geometry
Honors Geometry
Algebra II
Honors Algebra II
Algebra III
Honors 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
CCP GLG 1101 Physical Geology
CCP GLG 1401 Environmental Geology

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
Economics
Geography
Psychology I
Psychology II
Sociology
CCP PSY 1100 General Psychology
CCP SOC 1101 Introduction to Sociology
CCP HIS 1101 United States History I
CCP HIS 1102 United States History II
CCP PHI 2206 Introduction to Ethics
CCP HIS 1111 Western Civilization I
CCP HIS 1112 Western Civilization II

ADDITIONAL COURSES

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

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 + 3 other PLTW Programs (p. 24)

Advanced Manufacturing

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

Wayne High School:

- **Welding p. 36**
- **Engineering p. 34**

Building and Construction

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

Wayne High School:

- **Construction Carpentry p. 28**
- **HVAC p. 29**

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. 25**

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

Wayne High School:

- **Computer Science p. 33**

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. 30**

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.

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.

Recommended Course Sequence				
Grade 9				
Grade 10	<ul style="list-style-type: none"> • Business Foundations • *Technical Applications I & II • Social Media and Marketing • Yearbook 	Career Exploration	Financial Literacy I & II	<ul style="list-style-type: none"> • Accounting • Business Law • Business Management
Grade 11				
Grade 12				

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

15-3055 FINANCIAL LITERACY I

SEM

Prerequisite: None
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course is designed to develop a basic understanding of the importance of personal financial matters and how to make sound financial decisions. Students will be introduced to topics that will improve their economic citizenship. Topics include financial responsibility, planning/budgeting and money management, consumer choices and purchasing decisions, investing, credit, and insurance (i.e., life, vehicle, health). Students will be equipped to manage their personal business and financial affairs more efficiently. *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 the opportunity to gain a deeper understanding on financial topics chosen by the class for the second half of the course. This course’s curriculum will be designed around the class’s financial interests.

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 and Slides. Students will learn steps to developing personal and professional documents, spreadsheets and presentations. Students will also learn professional etiquette when using e-mail including customizing e-mail accounts. Students will be introduced to Microsoft Word, Excel and Powerpoint to prepare for Technical Applications II. Eligibility for a graduation seal

20-2555 TECHNICAL APPLICATIONS II

SEM

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

Students will become proficient in using Microsoft Word, Excel and Powerpoint. Students will learn steps to develop personal and professional documents, spreadsheets and presentations. Outlining 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

15-3115 BUSINESS FOUNDATIONS

SEM

Prerequisite: None
Fee: None

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

This introductory course explores entrepreneurship, marketing, business ownership, business management and other business concepts. 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. Students will explore management styles, marketing strategies, economic factors, financial planning and more. This course is recommended for any student exploring business topics.

15-3155 BUSINESS LAW

SEM

Prerequisite: None
A fee is required.

Grades: 10, 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, essentials of a contract, buying a vehicle, buying on credit, and renting. Students who take this course will better understand the world in which they live. They will expand vocabulary and sharpen their abilities to think analytically and systematically. They will be better equipped than most citizens to recognize legal problems and to utilize professional counsel. (May not be offered every year)

15-2055 CAREER EXPLORATION

SEM

Prerequisite: None
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

Throughout Career Exploration, students will explore, choose and prepare for life after high school. Students will use the YouScience Interest Inventory to identify and evaluate careers for which they are well suited. Students will research their appropriate postsecondary education and training to choose their path after high school. Students will also network with professionals from a multitude of industry clusters, create an elevator pitch, resume, cover letter, reference sheet, career portfolio and participate in a mock interview. Upon completion of the course, students will be eligible for the Ohio Means Jobs Readiness Seal.

15-3255 BUSINESS MANAGEMENT

SEM

Prerequisite: None
Fee: None

Grades: 10, 11, 12
Credit: ½ per sem

Students examine the real-world organizational management functions of planning, decision making, organizing, leading and controlling in a variety of today's most sought after industries. Students learn real life concepts and how resources are managed effectively and efficiently in order to achieve the organization's goals and objectives. Issues relating to diversity, globalization, technology changes, problem-solving and ethics are studied. Course includes hands-on class projects in leadership and team functions as well as Project-based work in business development and organizational change. (May not be offered every year)

15-2115 ACCOUNTING

YEAR

Prerequisite: None
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This course is highly recommended for all students who are considering a business major in college. It is also helpful for those individuals hoping to run their own business. This is a comprehensive study of the fundamental principles of accounting for businesses organized as proprietorships and corporations. Students will be introduced to multicolumn journals and general ledgers and then transition to special journals and add subsidiary ledgers. Students will learn to prepare and interpret financial statements including income statements, balance sheets, and stockholders' equity statements. (May not be offered every year)

Note: All work for this course is completed using online working papers, so some Internet access will be needed outside of the classroom. If students do not have Internet access they will be provided with paper copies to do the work activities.

20-4555 SOCIAL MEDIA AND MARKETING SEM

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

This introductory course is designed to develop a basic understanding of how to use social media as a marketing tool in the online world of business. This course will explore the basics of marketing, social media mechanics and how the two are blended in the modern business world. This course is recommended for any student interested in exploring e-commerce and digital marketing topics. (May not be offered every year).



20-4019 YEARBOOK YEAR

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

This is a business course that produces the Wayne High School Yearbook, which is the only complete record of the school year that will ever be published. 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. Taking quality pictures is a skill that will be taught during this course. Real world skills such as time management and teamwork will be also enhanced throughout this course.



Special Note: Yearbook 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 deadlines. It is your duty as a yearbook staff to cover all events of the school year.

*Seniors may only enroll in this course if they have previously taken it as a 9th, 10th or 11th grader.



CAREER TECH OVERVIEW

Where Do I Take Career Tech Courses?

- The Miami Valley CTC offers 43 Career Tech Programs in 13 career fields. See page 19 for an overview of MVCTC offerings.
- Wayne High School offers 9 Career Tech Programs in 6 career fields. See the next page for an overview of WHS offerings.

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.

Aren't Sure of Which Path to Take?

- Try out one of the many introductory elective courses offered at Weisenborn Middle School or Wayne High School.

CAREER TECH INTRO LAB

SEM

Prerequisite: None
A fee is required.

Grade: 8

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.

OTHER INTRODUCTORY COURSES OFFERED:

- Introduction to Biomedical Sciences (p. 31)
- Introduction to Computer Science (p. 31)
- Design and Modeling (p. 31)
- Introduction to Construction Technologies (p. 28)
- Introduction to HVAC (p. 29)
- Introduction to Welding (p. 36)
- Ag, Food and Natural Resources (p. 25)
- Digital Design (p. 30)
- PLTW Honors Principles of Biomedical Science (p. 32)
- PLTW Honors Computer Science Essentials (p. 33)
- PLTW Honors Introduction to Engineering Design (p. 35)

WAYNE HIGH SCHOOL TECH PROGRAMS

- 9 Career Tech Programs Available at WHS
- Please see detailed course descriptions on subsequent pages for more information about each programs pathway and coursework.

Construction Carpentry		Welding		HVAC	
Coursework:		Coursework:		Coursework:	
<ul style="list-style-type: none"> • Core and Sustainable Construction • Carpentry and Masonry Skills • Residential Electrical Systems • Structural Systems or Capstone 		<ul style="list-style-type: none"> • Shielded Metal Arc Welding • Gas Metal Arc Welding • Flux Core Arc Welding • Gas Tungsten Arc Weld or Capstone 		<ul style="list-style-type: none"> • Core and Sustainable Construction • Sheet Metal • Heating and Cooling Systems • HVAC Refrigeration or Capstone 	
<ul style="list-style-type: none"> • Coursework starts Junior Year 			<ul style="list-style-type: none"> • Courses run over 2 periods in a single semester 		
<ul style="list-style-type: none"> • Optional Electives 9th/10th grade year for exposure in EACH pathway. • Optional Elective 8th grade year for exposure to the 5 Satellite CTC Programs (Ag, IM, Con, HVAC, Welding) 					

Interactive Media	Agriculture	Engineering
Coursework:	Coursework:	Coursework:
<ul style="list-style-type: none"> • Digital Design • Creating Digital Media • Video & Photo Production • Interactive Multimedia Capstone 	<ul style="list-style-type: none"> • Food & Natural Resources • Plant & Horticulture • Landscape Management • Environmental Services Capstone 	<ul style="list-style-type: none"> • Intro to Engineering • Principles of Engineering • Digital Electronics • Aerospace Engineering • Engineering Design and Development Capstone
<ul style="list-style-type: none"> • Coursework can start any year. Ideally students start 9th/10th grade year to finish the entire program. 	<ul style="list-style-type: none"> • Coursework can start any year. Ideally students start 9th/10th grade year to finish the entire program. 	<ul style="list-style-type: none"> • 7th Grade Elective: Design and Modeling

Biomedical Science	Computer Science	Airforce Junior ROTC
Coursework:	Coursework:	Coursework:
<ul style="list-style-type: none"> • Principles of Biomedical • Human Body Systems • Medical Interventions • Biomedical Innovations 	<ul style="list-style-type: none"> • Comp Sci Essentials • Comp Sci Principles • Computer Science A • **TBD Course 	<ul style="list-style-type: none"> • AFJROTC 1 • AFJROTC 2 • AFJROTC 3 • AFJROTC 4 • AFJROTC Drill and Ceremonies
<ul style="list-style-type: none"> • Optional 7th/8th Grade Elective: Intro to Biomedical Science 	<ul style="list-style-type: none"> • Optional 7th/8th Grade Elective: Intro to Computer Science 	<ul style="list-style-type: none"> • Please see pg. 26 for more information about the AFJROTC Program

Agriculture Services

Courses in Agriculture Services were offered for the first time during the 2019-2020 school year due to a partnership between our district and Miami Valley Career Technology Center. 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 Agriculture Services are members of the National FFA Organization, a student organization that promotes premier leadership, personal growth and career success through agricultural education. FFA allows students to learn teamwork and positive social skills.

00-1010 AGRICULTURE, FOOD AND NATURAL RESOURCES

YEAR

Prerequisite: None
A fee is required.

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

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. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry. **Students are given the opportunity to earn college credit.**

00-2010 PLANT AND HORTICULTURAL SCIENCE

YEAR

Pre-/Co-requisite: 00-1010
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

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. Throughout the course, students will learn communication leadership, and business management skills reflective of the industry. **Students are given the opportunity to earn college credit.**

00-3010 LANDSCAPE SYSTEMS MANAGEMENT

YEAR

Pre-/Co-requisite: 00-2010
A fee is required.

Grades: 11, 12
Credit: ½ per sem

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. Throughout the course, 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.**

00-4010 AGRICULTURAL AND ENVIRONMENTAL SYSTEMS CAPSTONE/WORK EXPERIENCE

YEAR

Pre-/Co-requisites: 00-2010,
00-3010
A fee is required.

Grades: 12
Credit: ½ or 1 per sem

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.

Wayne AFJROTC is a citizenship- and character-building program. Chartered by Congress in 1966, Junior ROTC units are charged with integrating programs of aerospace education, leadership- and team-building skills, and community service within a high school. The program offers coursework in the history and science of aviation, the exploration of space, global cultural studies, military drill and physical fitness training. AFJROTC is an elective course and club rolled into one. We have competitive teams such as Drill, Raider, Marksmanship, Cyber Security, Academic, and Orienteering. We also do fun and engaging activities such as community service projects, banquets, parades, military ball, lock-in and cadet leadership course. AFJROTC cadets receive elective credit towards graduation while making new friends and learning life skills that will help them succeed in any career. AFJROTC is not just for people with military interests; it is for anyone who wants to develop their teamwork and leadership skills.

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. Students are required to perform 5 hours of community service per quarter. Students will also be introduced to basic military drill maneuvers. One class per week will be devoted to wellness/physical fitness activities where students will be expected to wear their physical training (PT) uniform and exercise. Students may elect to participate in optional extracurricular competition teams before or after school that are not required but highly encouraged as part of all four years of the program. All students will be issued military uniforms at no cost. **Once the student is issued their uniforms, they must adhere to specified personal appearance standards and wear the designated military uniform one full day each week, typically Tuesday.**

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. Students are required to perform 5 hours of community service per quarter. Cadets will be expected to master a 30-step drill command sequence at this level. One class per week will be devoted to wellness/physical fitness activities where cadets will be expected to wear a physical training (PT) uniform and exercise. Cadets may elect to participate in optional extracurricular competition teams before or after school that are not required but highly encouraged as part of all four years of the program. Like JROTC I, all cadets will be issued military uniforms at no cost, are required to adhere to specified personal appearance standards, and to wear the designated military uniform one full day each week, typically Tuesday.

05-3015 AFJROTC III

YEAR

Prerequisites: 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. One class per week will be devoted to wellness/physical fitness activities where cadets will be expected to wear a physical training (PT) uniform and exercise. The PE graduation requirement is waived for passing two full years of JROTC and full participation in PT. Cadets may elect to participate in optional extracurricular competition teams before or after school that are not required but highly encouraged part of all four years of the program. Like JROTC I and II, all cadets will be issued military uniforms at no cost, are required to adhere to specified personal appearance standards, and to wear the designated military uniform one full day each week, typically Tuesday.

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. One class per week will be devoted to wellness/physical fitness activities where cadets will be expected to wear a physical training (PT) uniform and lead the exercises. Cadets may elect to participate in optional extracurricular competition teams before or after school that are not required but highly encouraged part of all four years of the program. Like JROTC I, II, and III all cadets will be issued military uniforms at no cost, are required to adhere to specified personal appearance standards and to wear the designated military uniform one full day each week, typically Tuesday. The PE graduation requirement is waived for passing two full years of JROTC.

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. All fees should be paid directly to the bursar.



Construction Carpentry

- Learn to construct, erect, install, remodel and repair structures and systems of wood, plywood, wallboard, and metal using carpenter’s hand tools and power tools.
- Study construction safety procedures, blueprint orientation and construction math.
- Learn hands-on while completing construction projects in class.
- Work-Based Learning opportunities available to students in this pathway.

- **Freshman and Sophomores:** Introduction to Construction Carpentry offered as an exploratory course for students to discover if they have an interest or talent in construction carpentry. Students do not need to take the introductory course to enter into the program or be required to enter the program Junior Year.
- **Juniors:** Enter the Construction Carpentry Pathway with the intention of completing the program Senior Year.
- **Seniors:** Encouraged to take advantage of the opportunity to take elective coursework and learn about carpentry. Students may have an interest in pursuing a career in construction post-graduation or have a desire to learn skills to be used in everyday life.

50-3000 INTRO TO CONSTRUCTION CARPENTRY **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 –3001 CONSTRUCTION CARPENTRY **YEAR**
CORE AND SUSTAINABLE CONSTRUCTION **SEM 1**
 Prerequisite: None Grades: 11, 12
 A fee is required. Credit: 1 per sem

This course is scheduled over two consecutive periods in one semester during the school day.

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.

CARPENTRY AND MASONRY TECHNICAL SKILLS **SEM 2**
 Prerequisite: None Grades: 11, 12
 A fee is required. Credit: 1 per sem

This course is scheduled over two consecutive periods in one semester during the school day.

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. **Students are given the opportunity to earn college credit.**

Heating, Ventilation and Air Conditioning (HVAC)

- Learn to read wiring diagrams, fabricate sheet metal, charge air conditioning systems, and read gauges for heating and air conditioning units.
- Work-Based Learning opportunities available to students in this pathway.

- **Freshman and Sophomores:** Introduction to HVAC offered as an exploratory course for students to discover if they have an interest or talent in sheet metal work or HVAC. Students do not need to take the introductory course to enter into the program or be required to enter the program Junior Year.
- **Juniors:** Enter the HVAC Pathway with the intention of completing the program Senior Year.
- **Seniors:** Encouraged to take advantage of the opportunity to take elective coursework and learn about HVAC. Students may have an interest in pursuing a career in sheet metal, HVAC or have a desire to learn skills to be used in everyday life.

50-2000 INTRODUCTION TO HVAC

SEM

50-2001 HVAC

YEAR

Prerequisite: None
A fee is required.

Grades: 9,10
Credit: ½ per sem

CORE AND SUSTAINABLE CONSTRUCTION

SEM 1

Prerequisite: None
A fee is required.

Grades: 11, 12
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 will be placed on safe and green construction practices.

This course is scheduled over two consecutive periods in one semester during the school day.

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.

SHEET METAL

SEM 2

Prerequisite: None
A fee is required.

Grades: 11, 12
Credit: 1 per sem

This course is scheduled over two consecutive periods in one semester during the school day.

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 produce sheet-metal patterns using parallel line, radial line, and triangular development procedures.



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 and Illustrator.
- Participate in SkillsUSA leadership and skill events.

00-1016 DIGITAL DESIGN

YEAR

Prerequisite: None
A fee is required.

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

Students will learn techniques for transforming photographic images, through use of digital cameras, computers, and mobile devices. To accomplish this, they will learn software photo editing techniques including layering, color correction, masking, and special effects using current commercial and open source programs and applications.

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, management procedures, and multimedia techniques as they create, revise, optimize, and export graphics for video, print, and web publishing. The course will address issues related to web based publishing, social media, and security. Students will utilize current commercial and open source languages, programs, and applications. **Students are given the opportunity to earn college credit.**



00-3016 VIDEO AND PHOTO PRODUCTION

YEAR

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.**

00-4016 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. Students will complete projects that relate to real world experiences in areas of Multimedia including making a portfolio, creating videos, websites, integrated animation and/or Graphic Design. Students will be able to focus on the Multimedia area that they might want to pursue as a career. Students could also seek mentorships, apprenticeships, and internships within the community.

Project Lead the Way (PLTW)

Project Lead the Way (PLTW) is a national non-profit organization developed to help schools give students the knowledge they need to excel in high-tech fields. PLTW’s curriculum prepares students to be competent employees in technical fields. Project Lead The Way provides a comprehensive approach to STEM Education. Through activity-, project-, and problem-based curriculum, PLTW gives students a chance to apply what they know, identify problems, find unique solutions, and lead their own learning.

	Biomedical	Computer Science	Engineering
<i>grade 7</i>	Introduction to Biomedical Sciences	Computer Science	Design & Modeling
<i>grade 8</i>	Introduction to Biomedical Sciences	Computer Science	
<i>grade 9</i>	Honors Principles of Biomedical Science	Honors Computer Science Essentials	Introduction to Engineering Design
<i>grade 10</i>	Honors Human Body Systems	Honors Computer Science Principles	Principles of Engineering
<i>grade 11</i>	Honors Medical Interventions	Honors Computer Science A	Honors Digital Electronics
<i>grade 12</i>	Honors Biomedical Innovations	TBD	Honors Aerospace Engineering Honors Engineering Design and Development

This section is dedicated to the three introductory PLTW courses available at Weisenborn Junior High School.

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.

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.

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.

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.

75-1216 HONORS PRINCIPLES OF BIOMEDICAL SCIENCE YR

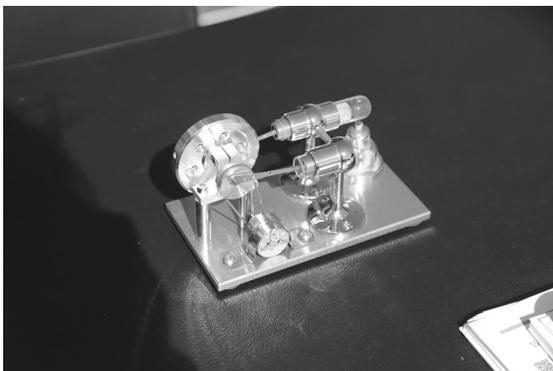
Prerequisite: None Grades: 9, 10
A fee is required. Credit: ½ per sem

This is the first course in a four-class sequence of biomedical courses offered that corresponds closely to that of general Biology. The activities and projects in this course introduce students to DNA, genetics, cell processes, macromolecules, and homeostasis. Students will also explore cellular respiration, photosynthesis, ecology, and evolution.

75-1226 HONORS HUMAN BODY SYSTEMS YEAR

Prerequisite: Principles of Biomedical Science Grades: 10, 11
A fee is required. Credit: ½ per sem

This is the second course in a four-class sequence of biomedical classes offered. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, 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 need a USB flash drive to be dedicated to their class work. **Students are given the opportunity to earn college credit.**



75-1236 HONORS MEDICAL INTERVENTIONS YEAR

Prerequisites: Principles of Biomedical Science, Human Body Systems, & Algebra I Grades: 11, 12
Credit: ½ per sem
A fee is required.

This is the third course in a four-class sequence of biomedical classes offered. 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; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Students will need a USB flash drive to be dedicated to their class work. **Students are given the opportunity to earn college credit.**

75-1246 HONORS BIOMEDICAL INNOVATION YEAR

Prerequisites: ALL THREE (3) BIOMEDICAL COURSES Grade: 12
Credit: ½ per sem
A fee is required.

This is the fourth course in a four-class sequence of biomedical classes offered. 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 from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. Students will need a USB flash drive to be dedicated to their class work. Students should be concurrently enrolled in college preparatory mathematics and science classes. **Students are given the opportunity to earn college credit.**

Computer Science

PLTW Computer Science empowers students in grades 8-12 to become creators – instead of merely consumers – of the technology all around them. The program engages students in real-world activities, projects and problems related to computational thinking. Students are challenged to think big and the program illustrates how intricately computer science is woven into our society.

Students work together to design solutions and learn computational thinking. They learn to code and transform themselves into builders of technology. The program’s courses empower students with in-demand knowledge and skills they will use in high school and for the rest of their lives in any career path they choose.

15-1306 HONORS COMPUTER SCIENCE ESSENTIALS YEAR

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

With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin their computer science high school experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence.

In Computer Science Essentials, students will use visual, block-based programming and seamless transition to text-based programming with languages such as Python®. They will create apps, develop websites, and ensure that computers work together to put designs into practice.

15-1316 HONORS COMPUTER SCIENCE PRINCIPLES YEAR

Prerequisite: Computer Science Essentials Grades: 10, 11, 12
A fee is required. Credit: ½ per sem

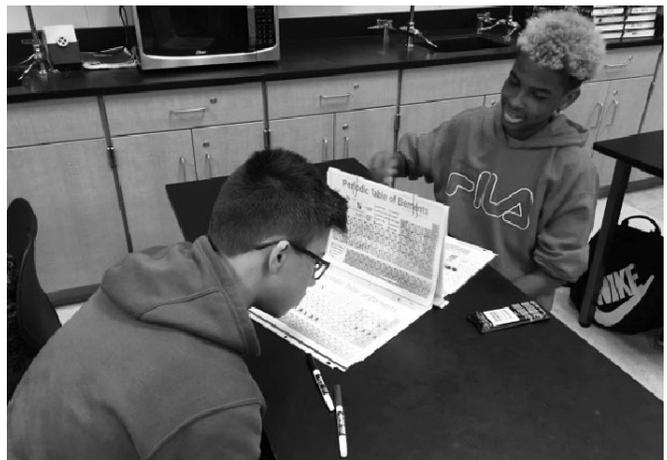
Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP® CSP). This endorsement affirms that all components of PLTW CSP’s offerings are aligned to the AP Curriculum Framework standards and the AP® CSP assessment.

Students are given the opportunity to earn college credit.

15-1326 HONORS COMPUTER SCIENCE A YEAR

Prerequisite: Computer Science Principles Grades: 11, 12
A fee is required. Credit: ½ per sem

Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the AP® Computer Science A course.



Engineering

PLTW ENGINEERING is more than just another school engineering program. It is about applying engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the "right" answer. They learn how to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation. Completion of this program also allows students to opt for a honors technical diploma.

PLTW students have said that PLTW Engineering influenced their post-secondary decisions and helped shape their future. Even for students who do not plan to pursue engineering after high school, the PLTW Engineering program provides opportunities to develop highly transferable skills in collaboration, communication, and critical thinking which are relevant for any coursework or career.

75-1116 HONORS INTRODUCTION TO ENGINEERING DESIGN

YEAR

Prerequisite: Algebra I
A fee is required.

Grades: 9, 10
Credit: ½ per sem

This class gives students the opportunity to have in-depth, hands-on experience with the field of engineering design. The course covers the design process utilizing real-world projects and design problems. Students use computer aided design software to complete projects in design and reverse engineering. Students also learn about the various careers available in engineering and technology. This is the first in a series of classes to prepare students who are interested in engineering and math related fields.

Students are given the opportunity to earn college credit.

75-1126 HONORS PRINCIPLES OF ENGINEERING

YEAR

Prerequisite: Introduction to Engineering Design

Grades: 10, 11
Credit: ½ per sem

A fee is required.

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

Digital electronics is the study of electronic circuits used to process and control digital signals. The major focus of the course is to expose students to the design process of combinational and sequential logic design, engineering standards, and technical documentation. Utilizing activity-project-problem-based pedagogy, students analyze, design, and build electronic circuits. The course of study includes foundations of digital electronics, combinational logic analysis and design, sequential logic analysis and design, microcontrollers, integrated circuits, and intelligent machines. This course is taught at an honors level and awards weighted grades. **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

The major focus of the Aerospace Engineering (AE) course is to expose students to the world of aeronautics, flight, and engineering. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field. In addition, students use Inventor, a state-of-the-art 3D design software package to help them design solutions to solve problems. Students design intelligent vehicles and learn about documenting their projects, solving problems, and communicating their solutions to their peers and members of the professional community. The course of study includes an overview of aerospace engineering, aerodynamics and aerodynamics testing, flight systems, astronautics, space life sciences, aerospace materials, and systems engineering. This course is taught at an honors level and awards weighted grades. **Students are given the opportunity to earn college credit.**

75-1156 HONORS ENGINEERING DESIGN AND DEVELOPMENT

YEAR

Prerequisites: Introduction to Engineering Design, Honors Principles of Engineering, and Honors Digital Electronics or Honors Aerospace Engineering

Grade: 12
Credit: ½ per sem

A fee is required.

Honors Engineering Design and Development (EDD) includes a year-long design project. The project differs from a stereotypical science fair project in that the results cannot be readily gained or "looked-up." Therefore, finding and justifying a "question" to answer, or problem to address, and carefully defining the solution to the question or problem is one of the biggest challenges of this course. The EDD course should be taken as a capstone course in the 12th grade because it applies the knowledge and skills from the foundation courses in solving an identified technical problem. Students will document their design to the initial patent level. This course is taught at an honors level and awards weighted grades.



Welding

- Learn different welding processes, how to grind and use a cutting torch.
- Acquire in-demand skills for a rewarding career where employees are needed for both commercial and residential businesses.
- Work-Based Learning opportunities available to students in this pathway.

- **Freshman and Sophomores:** Introduction to Welding offered as an exploratory course for students to discover if they have an interest or talent for welding. Students do not need to take the introductory course to enter into the program or be required to enter the program Junior Year.
- **Juniors:** Enter the Welding Pathway with the intention of completing the program Senior Year.
- **Seniors:** Encouraged to take advantage of the opportunity to take elective coursework and learn about welding. Students may have an interest in pursuing a career in pipefitting, welding or have a desire to learn skills to be used in everyday life.

50-1000 INTRODUCTION TO WELDING

SEM

Prerequisite: None
A fee is required.

Grades: 9, 10
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.



50-1001 WELDING

YEAR

SHIELDED METAL ARC WELDING

SEM 1

Prerequisite: None
A fee is required.

Grades: 11, 12
Credit: 1 per sem

This course is scheduled over two consecutive periods in one semester during the school day.

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 WELD

SEM 2

Prerequisite: None
A fee is required.

Grades: 11, 12
Credit: 1 per sem

This course is scheduled over two consecutive periods in one semester during the school day.

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.

Credentialing

This section is dedicated to courses students can take to earn various Industry Recognized Credentials. To learn more about Industry Recognized Credentials, please visit: [ODE's Industry Recognized Credentials by Career Field](#) website.

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. Students will also have the opportunity to earn 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.

15-1055 STUDY SKILLS

SEM

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

This course is designed to help students be successful in all classes. Students are given the opportunity to learn successful techniques to improve organizational skills and study habits. The course allows students extra time to complete assignments, receive clarification or instruction, and prepare for quizzes and tests. Students will also focus on goals and explore future interests.



Music Appreciation and Exploration

7TH AND 8TH GRADE GENERAL MUSIC SEM

Prerequisite: None Grade 7,8
 Fee: None

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/ Grades 7, 8
 Audition for 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.

70-1115 CONCERT CHOIR YEAR

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

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.

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

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

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. Instruction in flute, clarinet, saxophone, trumpet, French horn, trombone, baritone, tuba, and percussion are offered. Students may also study oboe or bassoon with the director's consent and an appropriate private music teacher. Students are expected to be able to play and read junior high level rhythms, scales, and the rudiments of percussion.

These rhythmic and tonal concepts are incorporated into the performance of large group literature as well as solo and small ensemble literature.

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 a more advanced ensemble that studies and plays repertoire at a more challenging level. Music is prepared and performed for several concerts throughout the year as well as large and small-group contests. The ensemble is made up primarily of 11th and 12th grade students, some advanced 10th grade students, and a few ADVANCED 9th grade students. **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. Music is prepared and performed for several concerts throughout the year as well as large and small-group contest. The ensemble is made up primarily of 11th and 12th grade students, some advanced 10th grade students, and a few ADVANCED 9th grade students. **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. Students are also encouraged to enroll in Concert Band, Symphonic Band, or Wind Ensemble. Performances at concerts and different school and civic events will be scheduled. **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 print-making, and clay.

10-1155 ART I

SEM

Prerequisite: None
A fee is required.

Grades: 9, 10, 11, 12

Credit: ½ per sem

Nine weeks of the semester are spent entirely on drawing, learning various techniques of basic value drawing, portrait/figure drawing, and perspective drawing. Major subject areas are still life, people, room interiors, and cityscapes using pencil, colored pencils, and markers. During the remaining nine weeks, the students are introduced to the basic ceramic hand-building methods of coil and slab, along with glazing techniques. An introduction to hand lettering will follow, selecting from various text-style alphabets, combined with a background of illustration. Tests and homework drawings will be assigned throughout the course, and a comprehensive final exam is included in the semester average.

10-1255 ART II

SEM

Prerequisite: None
A fee is required.

Grades: 9, 10, 11, 12

Credit: ½ per sem

The student plans and creates compositions using the elements and principles of design in a variety of media. The study of color theory as it relates to acrylic paint will introduce the student to painting. Watercolor techniques are utilized in any number of subject matters, which may include a landscape, seascape, urban-scape or still life. The printing component of the class consists of the students learning how to create a reduction print. Art history is explored; art criticism is both learned and practiced. Tests and homework drawings will be assigned throughout the course, and a comprehensive final exam will be included in the semester average.

10-2355 ADVANCED DRAWING

SEM

Prerequisite: Art I and 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 in art and who have fulfilled the necessary prerequisites. Emphasis is placed on more involved detail studies in still life, figure drawing, perspective, and a continuation of abstract concepts. The techniques explored include light/dark stylization, figure ground studies, textural development, collage, enlargement of space and forms, figurative distortion, and a comparative study of 19th and 20th century artistic styles. The media used throughout the semester include pencil, charcoal, conté crayon, pastels, colored pencils, colored markers, and colored inks. Related tests and homework drawings will be assigned throughout the course, and a comprehensive final exam will be included in the semester average.



10-2455 ADVANCED PAINTING

SEM

Prerequisites: Art I and 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 in art and who have fulfilled the necessary prerequisites. Emphasis is placed on various media and their application to develop an art form. The course will build upon previous knowledge of the elements and principles of design to create abstract compositions in both pencil and scratchboard. Serigraphy (screen painting), one of the four basic print methods, will illustrate the multi-produced art design. Other media such as colored inks, collage, assemblage, mixed media, and sculptures may be explored. Related tests and homework drawings will be assigned throughout the course, and a comprehensive final exam will be included in the semester average.

10-3055 ADVANCED CERAMICS & SCULPTURE

SEM

Prerequisites: Art I and Art II
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

This advanced course presents the application of the principles of design with three-dimensional works of art in the areas of ceramics and sculpture. The course builds 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. In sculpture, students study the development of various sculpture techniques and learn the processes of creating three dimensional forms through the use of a variety of media. Related tests and homework drawings will be assigned throughout the course, and a comprehensive final exam will be included in the semester average.

10-4019 AP® STUDIO ART: 2-D DESIGN

YEAR

Prerequisites: Art I and Art II
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

The AP Studio Art is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year.

For this portfolio, students are asked to demonstrate understanding of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. Video clips, DVD's, CD's and three-dimensional works may not be submitted. However, still images from videos or films are accepted. There is no preferred (or unacceptable) style or content.

Links to samples of student work in the 2-D Design portfolio can be found on AP Central®:
apcentral.collegeboard.org/studio2D.



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. Students will develop and implement a personal fitness plan; create a physical activity marketing campaign; create an analytical portfolio of tactics and strategies; and develop a practice plan using biomechanical principles to improve performance.

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. Some of the topics covered are functions of the human body; food and nutrition; personal appearance; physical fitness; sex education; guides to effective living; alcohol, drugs, and tobacco; the human senses, first aid, and safety.

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. 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.

45-4055 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.

45-5055 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(s). This course does not meet the physical education requirement for graduation.



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

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, Honors, & Advanced Placement Program

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. As students progress from grade seven to twelve, they will be increasingly required to use technology to prepare and produce written assignments outside class.

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.

35-1018 HONORS FRESHMAN ENGLISH

YEAR

Prerequisite: None
A fee is required.

Grade: 9
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
A fee is required.

Grade: 10
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
A fee is required.

Grade: 11, 12
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
A fee is required.

Grade: 11, 12
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 are taught by a Wayne High School instructor and 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.

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. **This course requires extensive work outside class; students must have routine access to a computer and a printer.** 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. To achieve established course outcomes, students are expected to 1) construct audience-smart texts to achieve an intended purpose, while using an appropriate voice, tone, style, and level of formality and the conventions of format and structure; 2) analyze through reading and writing the complex social, institutional, and cultural issues relevant to students’ experience; 3) explore through reading and writing the relationships between writer, text, and audience in various genres; 4) understand and use a recursive writing process, including peer involvement and student-led conferencing, employing situation-appropriate writing strategies to produce successive drafts of increasing quality; 5) control sentence-level language (syntax, grammar, punctuation, etc.); 6) employ appropriate conventions for larger structural components (paragraphing, structure, format, etc.); 7) use standard documentation format to document a variety of texts ethically and appropriately; 8) understand and use electronic environments to support writing tasks and to share and publish texts.

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. **This course requires extensive work outside class; students must have routine access to a computer, a printer, and a library.** 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. To achieve established course outcomes, students are expected to 1) locate, evaluate, organize, and ethically document material from electronic and print sources, including scholarly databases and Internet sources; 2) understand and use electronic environments to support writing tasks, and to share and publish texts; 3) understand and use a recursive writing process, including peer involvement and student-led conferencing, employing situation-appropriate writing strategies to produce successive drafts of increasing quality; 4) read critically to connect course and research texts with local and broader communities through summary, analysis, evaluation, and other written response; 5) construct audience-smart texts to achieve an intended argumentative or analytical purpose while using an appropriate voice, tone, style, and level of formality; 6) effectively use source texts in persuasive writing and demonstrate understanding of the uses of public and private discourses; 7) control sentence-level language (syntax, grammar, punctuation, etc.); 8) employ appropriate conventions for larger structural components (paragraphing, structure, format, etc.); 9) use standard documentation format to document a variety of texts ethically and appropriately; and 10) develop competence in introducing and incorporating quoted, paraphrased, and summarized material from sources.

COURSE DESCRIPTIONS

LANGUAGE DEPARTMENT

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. This course requires extensive work outside class; students must have routine access to a computer, a printer, and a library. SCC governs course curriculum and evaluation practices.

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.

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.



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 examine several plays by authors such as William Shakespeare, Eugene O'Neill, Arthur Miller, Tennessee Williams, August Wilson, and Martin McDonough to trace how our country's dramatic tradition has been influenced. 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. If you have questions about the plays or content, contact the instructor. All elective courses include required reading, multiple vocabulary lessons, varied writing assignments, and other project based assessments. This class is open to students in grades nine through twelve and 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.

35-3056 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.

	French	Spanish	CCP American Sign Language
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	ASL 1111 Beginning Sign Language I ASL 1112 Beginning Sign Language II ASL 1228 Intermediate Sign Language I
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.

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.

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	Transition to High School Math			Honors Algebra I Honors Geometry			
grade 10	Geometry				Honors Algebra II			
grade 11	Algebra II				AP Pre-Calculus	AP Statistics		
grade 12	Financial Math	Mathematical Reasoning	Algebra III	AP Pre-Calculus	Calculus	AP Calculus	AP Statistics	

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 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.

MATH 7

YEAR

Prerequisite: None

Grade: 7

A fee is required.

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

Grade: 8

A fee is required.

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

65-1016 TRANSITION TO HIGH SCHOOL MATH

YEAR

Prerequisite: None
A fee is required.

Grades: 9
Credit: ½ per sem

Transition to High School math is a course designed to improve student's individual mathematical skills and equip them with the knowledge to take Algebra I. This course offers students the chance to build algebraic habits of mind, explore the language of algebra in verbal, graphical, and symbolic forms. Problem-solving activities and applications encourage students to model and analyze patterns and relationships with variables and functions. Students need a scientific calculator and/or TI-84.

65-1019 ALGEBRA I

YEAR

Prerequisite: Honors 7th or General 8th math
A fee is required.

Grades: 8, 9
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
A fee is required.

Grades: 9, 10
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. **Students need a scientific calculator and/or TI-84.**

65-2015 ALGEBRA II

YEAR

Prerequisite: Algebra I or
concurrently with Geometry
A fee is required.

Grades: 10, 11, 12
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
A fee is required.

Grades: 11, 12
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 MATHEMATICAL REASONING

YEAR

Prerequisite: Algebra II
A fee is required.

Grades: 11, 12
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, develop and analyze multiple solutions to the same problem, and learn to communicate those solutions orally and in writing. Additional topics of study may include inductive and deductive reasoning, combinatorics, probability, statistics, topology, algebraic expressions, equations, and inequalities, and interpreting and using algebraic functions. This class is recommended for students who already have at least three (3) credits in math, but may be taken concurrently with the third credit. **Students need a scientific calculator.**

65-4016 FINANCIAL MATH

YEAR

Prerequisite: 3 math credits
A fee is required.

Grades: 12
Credit: ½ per sem

This senior level course will include the components of the financial literacy curriculum required by the state as well as meet the requirements of senior year mathematics. This is a year-long course that will cover topics such as budgeting and personal finance, long-term financial planning, investing in stocks and bonds, and calculating interest rate formulas. **This course will only meet the financial literacy graduation requirement for the Class of 2024 and 2025.**

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.

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.**

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 or 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.



College & Career Program						Advanced, Honors , & AP®				College Credit Plus (CCP)
grade 7	Integrated Science 7									GLG 1101 Physical Geology
grade 8	Integrated Science 8					Physical Science				
grade 9	Physical Science					Honors Biology & Honors Physical Science				
grade 10	Biology					Honors Chemistry	AP Biology	Honors Human Anatomy & Physiology	Honors/AP Physics	GLG 1401 Environmental Geology
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. Students 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.



Advanced, Honors, & Advanced Placement Program

The advanced program is the sequence of classes that are designed to prepare students who want to advance their understanding of science concepts beyond the regular curriculum. These courses will prepare students for demands of college science classes and will include designing laboratory experiments, developing higher level thinking skills and applying complex mathematical operations to science concepts. Students who are thinking about a possible career in the sciences, medicine or engineering are strongly encouraged to take this program.

75-1018 HONORS PHYSICAL SCIENCE

YEAR

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

Grades: 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, 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
A fee is required.

Grades: 9, 10
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.

75-2058 HONORS HUMAN ANATOMY

YEAR

Prerequisite: Biology
A fee is required.

Grades: 10, 11, 12
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.

75-2218 HONORS 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. 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.

75-3018 HONORS PHYSICS

YEAR

Prerequisite: Biology
Math co-requisite: Algebra II
or MMR
A fee is required.

Grades: 10, 11, 12
Credit: ½ per sem

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.

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.

College Credit Plus – Science

Huber Heights City Schools has an agreement with Sinclair Community College to offer Geology 1101 and Geology 1401 at Wayne High School. Students who opt to participate in this program are taught by a Wayne High School instructor and 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.

75-1101 GLG 1101 PHYSICAL GEOLOGY

SEM

Prerequisite: None
Fee: None

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

Students will examine the surface processes of wind, water and ice in changing Earth’s surface, plate tectonics, and interior forces that cause earthquakes, volcanoes, mountain building. The course also includes an introduction to natural resources, the impact of natural hazards on human populations, and the impact of human activities in the natural world.

75-1201 GLG 1401 ENVIRONMENTAL GEOLOGY

SEM

Prerequisite: None
Fees: None

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

Students will be introduced to minerals, the rock cycle, and Plate Tectonics. Students will also review the use/misuse of natural resources, waste disposal, and pollution. An analysis of natural hazards such as floods, volcanism, earthquakes, mass wasting, and others will be covered. The course will also discuss the consequences of human activities such as population growth, sustainability, mitigation, remediation strategies and processes.

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 1101 United States History I CCP HIS 1102 United States History II CCP PHI 2206 Introduction to Ethics CCP HIS 1111 Western Civilization I 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
Fee: None

Grade: 7

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. All four social studies strands are used to illustrate how historic events are shaped by geographic, social, cultural, economic and political factors.

SOCIAL STUDIES 8

YEAR

Prerequisite: None
Fee: None

Grade: 8

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. Throughout the course, students make connections between historical events and their impact on the American people and landscape.



80-1116 MODERN WORLD HISTORY

YEAR

Prerequisite: None
Fee: None

Grade: 9
Credit: ½ per sem

Modern World History is a year-long course that fulfills the ninth grade social studies requirement. 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. The goal of this course is to give students a deeper understanding and awareness of the impact that cultural contribution of various civilizations including: cities, well-organized governments, social classes, art and architecture. Students will continue to develop their skills in reading comprehension, analyzing primary and secondary sources, research, listening, note taking, interpreting graphs and maps, and problem solving.

80-2016 AMERICAN HISTORY

YEAR

Prerequisite: None
Fee: None

Grade: 10
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 federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. 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.

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. This course also examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

Advanced, Honors & Advanced Placement Program

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.



Advanced, Honors & Advanced Placement Program

Our accelerated courses are geared for students who want to advance in social studies. These courses will further their skill set for college and their desired career path. Students who have an interest in law, medical fields, social work, psychology, business, education, political science, history or economics will benefit from the rigor and challenges of the advanced/honors courses.

80-1118 HONORS MODERN WORLD HISTORY

YEAR

Prerequisite: None
Fee: None

Grade: 9
Credit: ½ per sem

Honors Modern World History is a year-long course that fulfills the ninth grade social studies requirement. 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. Students will increase their skills in reading comprehension, research, listening, note taking, interpreting graphs and maps, and problem solving. Students will locate and analyze primary and secondary sources from multiple perspectives to draw conclusions.

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 and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as the consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States History. 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.

80-2019 ADVANCED PLACEMENT (AP®) US HISTORY YR

Prerequisite: None
Fee: None

Grade: 10
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 in order to make connections among historical developments in different times and places: 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
Fee: None

Grade: 11, 12
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.

Social Studies Electives

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.

80-3666 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. Students will need their Chromebooks everyday. Students should also be able to work independently, meet deadlines and work in both large and small groups.

80-3756 CURRENT EVENTS

SEM

Prerequisite: None
A fee is required

Grades: 10, 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.

80-3256 ECONOMICS

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

Economics is a study of the U.S. economic system. Topics covered include the problem of what, where, how, and how much to produce, how much one should receive for his/her efforts, how business and labor are organized, and how government affects private enterprise. Additional economic issues to be covered include taxation, investment, comparative economic systems, and contemporary international economic problems.

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 a one-semester course that is a follow-up to Psychology I 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.

80-3356 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.

80-1015 WORLD GEOGRAPHY AND CULTURES

SEM

Prerequisite: None
Fee: None

Grades: 11, 12
Credit: ½ per sem

This course focuses on those areas of the world currently in the news. Students will study the geography, history, culture, and people of these areas as well as the impact of these countries on the U.S. This course focuses on the five themes of geography which include geography, history, culture, economy and contemporary issues as they apply to the regions covered.

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.

7 th GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Health & Design/Modeling	
PE/Band/Choir/Computer Science I	
Art I/Art II/General Music	
TOTAL CREDITS	

8 th GRADE YEAR	CREDIT
English	
Math	
Science	
Social Studies	
Medical Detectives/Computer Science I/ Career Tech Intro Lab Elective	
PE/Band/Choir	
Art I/Art II/General Music	
TOTAL CREDITS	

FRESHMAN YEAR	CREDIT
TOTAL CREDITS	

SOPHOMORE YEAR	CREDIT
TOTAL CREDITS	

JUNIOR YEAR	CREDIT
TOTAL CREDITS	

SENIOR YEAR	CREDIT
TOTAL CREDITS	

OVERALL TOTAL CREDITS _____

Notes:

- All 7th grade students are required to take exploratory classes: Art (1 semester), Design & Modeling (1 quarter), Health (1 quarter), and PE (quarter).
- All 8th grade students are required to take 1 quarter of Music and 1 quarter of PE. 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 quarter music class.
- 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.