

WGH Course and Scheduling Guide 2023-2024



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INTRODUCTION

Welcome to the Warren G. Harding Scheduling and Course Guide! This guide includes a listing of the courses offered at WGH for the upcoming school year. It is important for students and families to take time to review the course options and descriptions in preparation for the students' next steps in their high school careers. Students' school counselors will meet individually with students to complete scheduling requests and a copy of the course requests will be sent home for review.

Every effort will be made to create a schedule that accommodates the students' choices. Occasionally students cannot fit all the requested classes into their schedules, so additional selections should be chosen. **Please take the time to choose carefully because changes will not be made to the schedule once the requests are completed without approval from the principal.** Schedule adjustments must be completed within the first two weeks of the school year according to availability and student graduation pathways.

The courses are organized by departments to help in your selection process. Each course is labeled with the state course code, the course title, the course description, any prerequisites, the amount of credit awarded, the appropriate grade level, and the WGH course code. The **WGH course code** is used to help you identify the course on the selection sheet. A sample course selection sheet is at the back of this document.

EXAMPLE:

State Course Code	Course Title	Course Description	Prerequisite
050190	Advanced English IV	This course is designed as a college preparatory class to develop writing and analytical reading skills for successful completion of college freshman English. (Students must successfully complete Advanced English III or receive permission to enroll in this course).	1 Credit Grade 12 0136

Students must select a minimum of eight credits. Course credit amounts are listed in the course descriptions. Full year courses are listed as 1 credit and semester courses are listed as 0.5 or 0.25 credits.

1 Credit = Full Year Course

0.5 Credit = Semester Course

0.25 Credit = Physical Education (Semester Course)

2 Credits = Full Year Course during 2 class periods

WGH ADMINISTRATION

Lead Principal	Sandra Williams	Ext. 2162 sandrae.williams@neomin.org
Assistant Principal Class of 2026 and 2027	Janis Ulicny	Ext. 2399 janis.ulicny@neomin.org
Assistant Principal Classes of 2025 and 2026	Holly Seimetz	Ext. 2590 holly.seimetz@neomin.org
Assistant Principal Class of 2024	Vicki Raptis	Ext. 2011 vicki.raptis@neomin.org
Teacher on Assignment Student Success Program	Jodi Austin-Brown	Ext. 2499 jodi.a.brown@neomin.org
Supervisor of Special Education	Amy Clementi	Ext. 2100 amy.clementi@neomin.org
Supervisor of School Improvement	Jennifer Cambareri	Ext. 2590 jennifer.cambareri@neomin.org

WGH STUDENT SERVICES DEPARTMENT

Guidance Department Secretary	Lisa Duncan	Ext. 2157 lisa.duncan@neomin.org
School Counselor Class of 2027	Donald Cheffo	Ext. 2069 donald.cheffo@neomin.org
School Counselor Class of 2026	Michele Senediak	Ext. 2407 michele.senediak@neomin.org
School Counselor Class of 2025	TJ Lowery	Ext. 2588 tj.lowery@neomin.org
School Counselor Class of 2024	Susan Mizik	Ext. 2223 susan.mizik@neomin.org
Testing Coordinator, CCP, Student Services	Erin Kampf-Melillo	Ext. 2492 erin.kampf@neomin.org
Dean of Students	Charles Penny	Ext. 2493 charles.penny@neomin.org
Case Manager Students w/Special Needs	Susan Stowe	Ext. 2090 susan.stowe@neomin.org

SAMPLE SCHEDULES

Grade 9

Choose 1 English	0110 English 1 or 0115 Honors English 1
Choose 1 Mathematics	0210 Algebra 1 or 0215 Honors Geometry (if Algebra 1 completed in 8 th grade)
Choose 1 Science	0410 Biology
Choose 1 Social Studies	0310 World History or 9310 AP Human Geography
Choose Graduation Requirements	0088 Health & a Music or Fine Art selection (found on pages 26-28)
Choose 1-2 Electives	9057 Freshman Advisory and possibly a World Language

Grade 10

Choose 1 English	0120 English 2 or 0125 Honors English 2
Choose 1 Mathematics	0220 Geometry or 0225 Honors Algebra 2
Choose 1 Science	0425 Chemistry or 0420 Physical Science
Choose 1 Social Studies	0320 US History or 9320 AP US History
Choose Graduation Requirements	0820 PE 1 & 0821 PE 2; 0328 Financial Literacy; a Fine Art and 0088 Health if not completed during Grade 9
Choose 1-2 Electives	Possibly a World Language

Grade 11

Choose 1 English	0130 English 3, 0135 Advanced English 3, or 9130 AP Literature and Composition
Choose 1 Mathematics	See Mathematics Course Grid on page 14
Choose 1 Science	See Science Course Grid on page 16
Choose 1 Social Studies	0330 US Government or 9330 AP US Government
Choose Graduation Requirements	PE 1 or PE2, a Fine Art, Health, or Financial Literacy if not completed during Grade 9 or 10
Choose 1-2 Electives	Selections should be of student interest or college/career prep content

Grade 12

Choose 1 English	0140 English 4, 0145 Advanced English 4, or 9140 AP Language and Composition
Choose 1 Mathematics	See Mathematics Course Grid on page 14
Choose Graduation Requirements	PE 1 or PE2, a Fine Art, Health, or Financial Literacy if not completed during Grade 9, 10, or 11
Choose 2-3 Electives	Selections should be of student interest or college/career prep content; college-bound students are encouraged to choose core electives.

ARE YOU READY? WHAT IS YOUR “E”?

Warren G. Harding High School has laid out several pathways to ensure students graduate Prepared for Success having demonstrated readiness to

- **Enroll** in COLLEGE or a CAREER-TECHNICAL PROGRAM
- **Enter** the WORKFORCE
- **Enlist** in the MILITARY

Student readiness for each of the post-secondary options is determined by the State of Ohio. Warren G. Harding has developed pathways to support each student’s growth to readiness.



ENROLL College Readiness can be met by:

- Earning a remediation-free score on the SAT or ACT college readiness assessment.
- Participating in annual testing and preparation through the SAT Suite of Assessments, coupled with Khan Academy and the WGH college prep curriculum.
- Taking high level courses to be ready for the academic rigors of college upon graduation.



ENTER the Workforce Career Readiness can be met by:

- Earning one of several Industry Recognized Credentials through the completion of learning modules, and demonstration of acquired skills in one of the WGH in-house career preparation pathways.
- Demonstrating career readiness through completion of a qualifying program at the Trumbull Career and Technical Center during Junior and Senior years.



ENLIST Military Readiness can be met by:

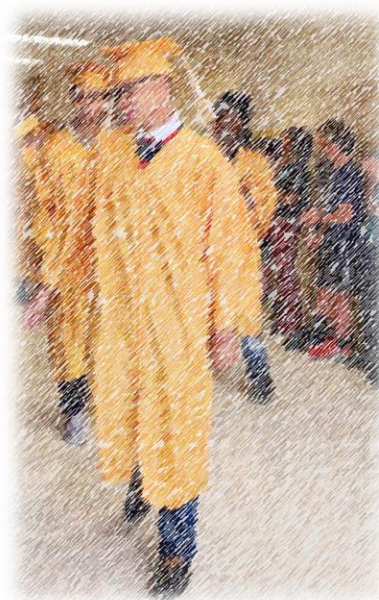
- Earning acceptance and enlisting in one branch of the United States armed services.
- Earning a qualifying score on the ASVAB exam and enlistment being verified by the respective military branch.

While searching this catalog to make course selections, do so with the end in mind. The chosen post-secondary path, whether to ENROLL, to ENTER the Workforce, or to ENLIST, should end with graduation and demonstrating readiness!

CLASS STATUS

For the official records, credits earned determine grade level placement.

Freshman	4.75 credits and below
Sophomore	5-10 credit
Junior	10.25-15.75 credits
Senior	16 or more credits



Warren. G. Harding High School Graduation Requirements

Classes of 2023 & Beyond

FIRST

Cover the Basics*



Earn 21 Credits



**4 Credits
Mathematics**



**4 Credits
English
Language Arts**



**3 Credits
Social Studies**



**3 Credits
Science**



**.5 Credit Health
& .5 Credit P.E.**



**1 Credit
Fine Arts**



**5 Credit
Electives**



**.5 Financial
Literacy**

*These are minimum requirements for graduation. Students are encouraged and able to maximize their credits based on their post-secondary goal.



SECOND

Show Competency



**Demonstrate
Competency**



Earn a "competency" score on the Algebra I and ELA II OST/End of Course Tests and take Biology, Geometry, US History & Government Tests.

OR



OR



OR



THIRD

Show Readiness



Earn 2 Seals**



** At least one of the two must be Ohio-designed

***Denotes Local Seal

COURSE AND CREDIT GRADUATION REQUIREMENTS

REQUIREMENT	OHIO	WGH	
English Language Arts	4 credits	4 credits	English Language Arts credits must include 4 credits of English.
Mathematics	4 credits	4 credits	Mathematics credits must include Algebra 1, Geometry, and Algebra 2 or the equivalent of Algebra 2, and one additional mathematics course. The mathematics course grid can be found on page 14.
Science	3 credits	3 credits	Science credits must include 1 Life Science, 1 unit of Physical Science, and 1 additional science course. The science course grid can be found on page 16.
Social Studies	3 credits	3 credits	Social Studies credits must include World History, American (US) History, and American Government.
Fine Arts	1 credit	1 credit	The music and fine arts selections can be found on pages 26-28
Physical Education	0.5 credit	0.5 credit	0.5 credit requires 2 PE classes or successful application and fulfillment of the PE Waiver. More information can be found on page 6.
Health	0.5 credit	0.5 credit	
Financial Literacy	0.5 credit	0.5 credit	This course is required for the Class of 2026 and beyond.
Electives	4 credits	5 credits	
TOTAL	20.5 credits	21.5 credits	

In addition to the above **credit and course requirements**, students must also satisfy the State of Ohio **testing requirement**. This requirement is met by showing competency in Math and English by earning a qualifying score on the Algebra 1 and ELA 2 end-of-course exams. Students also must **demonstrate readiness** for their post-secondary path by earning at least two readiness seals. To learn more about the graduation requirements for the Class of 2023 and beyond, as well as readiness seals, click here: [Ohio's High School Graduation Requirements Classes of 2023 and Beyond](#)

Ohio's High School Graduation Requirements Classes of 2023 and Beyond

It's Your Future. Get Ready.

Before you know it, you'll be receiving your high school diploma. Ohio is giving you new ways to show the world what you can do with it.

As a student entering ninth grade on or after **July 1, 2019**, Ohio's new high school graduation requirements give you more flexibility to choose a graduation pathway that builds on your strengths and passions — one that ensures you are ready for your next steps and excited about the future.

First, cover the basics

You must earn a minimum total of 20 credits in specified subjects and take your required tests. Then, decide how you will round out your diploma requirements.

English language arts	4 credits
Health	0.5 credit
Mathematics	4 credits
Physical education	0.5 credit
Science	3 credits
Social studies	3 credits
Electives	5 credits

Other Requirements
You also must receive instruction in economics and financial literacy and complete at least two semesters of fine arts. Your district may require more than 20 credits to graduate!

Second, show competency

Earn a passing score on Ohio's high school Algebra I and English II tests. Students who do not pass the test will be offered additional support and must retake the test at least once.

Is testing not your strength? After you have taken your tests, there are three additional ways to show competency!

Option 1.

Demonstrate Two Career-Focused Activities:

Foundational
Proficient scores on WebKams
A 12-point industry credential
A pre-apprenticeship or acceptance into an approved apprenticeship program

Supporting
Work-based learning
Earn the required score on WorkKeys Earn the OhioMeansJobs Readiness Seal

Option 2.

Enlist in the Military
Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.

Option 3.

Complete College Coursework
Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

1 | Ohio Graduation Requirements, Classes of 2023 and Beyond | August 2019

Ohio's High School Graduation Requirements Classes of 2023 and Beyond

Third, show readiness

Earn two of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills and knowledge that align to your passions, interests and planned next steps after high school.

At least one of the two must be Ohio-designed:

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local)
- Fine and Performing Arts Seal (Local)
- Student Engagement Seal (Local)

Want to learn more? Contact your school counselor or visit education.ohio.gov/graduation

2 | Ohio Graduation Requirements, Classes of 2023 and Beyond | August 2019

PHYSICAL EDUCATION WAIVER

The administration and the Board of Education of Warren City Schools have worked jointly on a policy that allows a PE Waiver to be awarded to students who have participated in **two years** or **two seasons** of interscholastic athletic competition, JROTC, marching band, or cheerleading in lieu of the **0.5 credit physical education requirement**. The student must not have any physical education credits on their high school transcript to take advantage of the PE Waiver. Students should contact their school counselor for more information. The PE Waiver form should be signed and on record in the Student Services Office by the end of the Freshman year. If the physical education requirement is waived, students may need to take a 0.5 credit course to meet the graduation requirements.

The Ohio Graduation Requirements require participation for at least **two (2) full seasons** of an approved activity in order to waive the PE requirement. Participation in only **one (1) full season cannot** be combined with 0.25 credits of PE to meet the PE requirements for graduation. [Link to PE Waiver Form](#)

COURSE AUDIT

Students may apply to audit a course no more than three times during their high school career, provided room is available in the class. Students may audit only one course per semester/year and seniors may not audit the second semester of the senior year. The student is expected to attend class, participate in class activities, and complete all assigned work. The Audit Request Form must be obtained from the school counselor and must be completed within the first two-weeks of the course. [Link to Audit Form](#)

GRADE REPLACEMENT

Students may retake a course to have the new grade substituted for the previously earned grade. This option may be useful to increase an overall Grade Point Average, to improve a final transcript, or to improve NCAA eligibility standing.

- Students must submit a request for grade replacement for approval prior to the beginning of the course.
- Students must retake the course during the school year to qualify for a grade replacement.
- Students cannot receive credit twice for the same course.

NOTE: If a student drops a course after the second week of a semester class or the third week of a year-long class, the student may receive a grade of an F, which will appear on the transcript. No course may be dropped without principal permission after the third week.

WEIGHTED COURSES

Students must successfully complete weighted coursework to have the opportunity to earn a cumulative Grade Point Average (GPA) higher than 4.0. Specific advanced and college level courses are weighted and provide students the opportunity to earn a higher GPA due to the increased rigor of the coursework. Guidance for weighted courses is listed below. Please contact your school counselor for more information.

- 5.0 scale — Advanced Placement (AP) and College Credit Plus (CCP) courses are denoted by 5.0 Scale next to course name.
- 4.5 scale — Courses with the word Advanced in the title, Chemistry, Physics, Forensics, & non-CCP Physiology/Anatomy are denoted by 4.5 Scale next to course name.

HONORS DIPLOMAS

High school students can gain state recognition for exceeding Ohio's graduation requirements by being awarded an honors diploma. Students who challenge themselves by taking and succeeding at high-level coursework and in real-world experiences are eligible. WGH students can choose to pursue one of four honors diplomas. Students who would like to pursue an Honors Diploma should declare this goal to the school counselor and must complete an Honors Diploma application in the fall of senior year. Specific requirements can be found at the following links, and there is also a [Link to Powerpoint](#) with an overall review of the requirements.

- **Academic** [Click here for ODE Academic](#) *STUDENT WORKSHEET FOR THE ACADEMIC HONORS DIPLOMA*
- **Career Tech** [Click here for ODE Career Tech](#) *STUDENT WORKSHEET FOR CAREER TECH HONORS DIPLOMA*
- **Fine Arts** [Click here for ODE Fine Arts](#) *STUDENT WORKSHEET FOR THE FINE ARTS HONORS DIPLOMA*
- **STEM** [Click here for ODE STEM](#) *STUDENT WORKSHEET FOR THE STEM HONORS DIPLOMA*
- **Social Science & Civic Engagement** [Click here for ODE Civic Engagement](#) *STUDENT WORKSHEET FOR THE CIVIC ENGAGEMENT HONORS DIPLOMA*

ACADEMIC Diploma with Honors Requirements <i>Students need to fulfill 7 of the following 8 criteria</i>	
English	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course, or a four-year sequence of courses that contain equivalent content
Science	4 units, including 2 advanced science courses
Social Studies	4 units
World Language	3 units, including at least 2 units in each language studied
Fine Arts	1 unit
Career-Technical	Not counted toward requirements and may not be used to meet requirements
Electives	Not counted toward requirements
Grade Point Average	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1280 SAT
Additional Assessment	None

ACADEMIC RECOGNITION FOR GRADUATING SENIORS



Students who demonstrate a consistently high level of academic attainment will have an opportunity to earn an honor designation. This will be calculated at the conclusion of the first semester of the senior year (7th semester). Earning an honor designation is based upon a student's cumulative achievement at WGH determined by the weighted GPA. The four tiers and criterion are as follows:

- **Summa Cum Laude** — Student who earned an accumulative GPA of 4.2 or higher by the conclusion of the 7th semester will be distinguished as a Summa Cum Laude graduate (with highest honors).
- **Magna Cum Laude** — Students who earned an accumulative GPA of 4.1-4.19 or higher by the conclusion of the 7th semester will be designated as a Magna Cum Laude (with high honors).
- **Cum Laude** — Students who earned an accumulative GPA of 4.01-4.09 by the conclusion of the 7th semester will be distinguished as a Cum Laude graduate (with honors).
- **Academic Excellence** — Students who earned an accumulative GPA of 3.75-4.0 by the conclusion of the 7th semester will be distinguished as having graduated with Academic Excellence.

COLLEGE CREDIT OPPORTUNITIES AT WGH

About College Credit Plus

Ohio's College Credit Plus (CCP) program is designed to provide college-ready high school students access to college courses through Ohio's public colleges and universities. Courses through CCP also award high school credit, and students may use many of these courses to replace traditional high school courses for credits toward graduation. The faculty and administration of Warren G. Harding are able to provide our students with substantial college course options within the high school, giving students transferable college credits in the most accessible manner possible.

The College Credit Plus program (CCP) offers qualified high school students onsite access to directly transcribed credit via dual credit. Students passing CCP classes will receive both high school and college credit for the course at no cost and without taking an exit exam. Students may enroll in college courses at their high school buildings, at local college campuses, or online. Classes may be taught by college faculty or Harding faculty with the appropriate backgrounds in their graduate studies. Successful completion of coursework in the CCP program will earn students college credit that is accepted by all of Ohio's public universities and colleges and many out-of-state and private institutions. Location, manner of delivery, and scheduling of courses may vary. These are not high school courses, these are college courses offered for concurrent high school credit. Parents and students should expect differences in process and plan accordingly.

Students must meet qualifying grade averages and SAT / ACT (or equivalent) scores to take CCP courses. As these are college courses, qualifications are set by the university or college awarding credit and vary between courses and programs. Courses follow the same schedule as their college counterparts and are a semester long. Students taking CCP classes do not take a national exam at the end of the course and, by state law, are not charged for participation in the program. Students are limited to thirty (30) credits of CCP-funded courses per year. Under the state law, local high school courses are part of that funding as well, with each one (1) high school credit course using three (3) CCP credits.

Locally offered CCP courses at WGH, which are available onsite within the high school, are done so in partnership with Youngstown State University, Eastern Gateway Community College, and Kent State University. Students will declare interest in January of the year prior to participating in CCP.

About Advanced Placement (AP) Courses

Advanced Placement courses are taught by teachers using a curriculum approved by the College Board. Successful completion of coursework in the AP program allows students the opportunity to take an exam in May. Students who earn at least a score of a 3 on the AP test receive credit that is accepted by all of Ohio's public universities and colleges.

The number of credits and how they apply towards a degree vary depending on the test and the college. Students can only receive such credit if they take the AP test. Private colleges and universities outside of Ohio have specific policies in place that may vary from Ohio's public institutions. Students are required to take the AP exam and also receive weighted credit for their courses. AP courses are more rigorous than traditional high school courses and are designed to develop the skills needed for success in college. Students must be prepared to take on the additional responsibility. Courses follow the AP curriculum to prepare students for the AP exam at the end of the yearlong course. Students taking AP classes must participate in the AP exam to demonstrate competency and potentially qualify for college credit.

Which Is Better - College Credit Plus or AP?

Both programs offer students that intend to pursue post-secondary education in any form or location skills, and knowledge that will be of benefit. Warren City Schools offers both of these options to advocate for individual student choice and flexibility, rather than to advocate for one program over another.

This question ignores the simple fact that students are all different. Whether it is the student's goals, interests, passions, or abilities that make up the differences, there can never be a single "right" approach to a student's individual growth and development. If there was one best option, that would be the only option for our students.

Please take the time to review and consider the obstacles and opportunities of each program in each content area. Mixing course formats may be a better choice than all of one or another. Whatever the students' choices may be, please avoid a simple "cookie-cutter" approach to education. It is important to choose a path that is as unique as each individual!

ADVANCED PLACEMENT (AP)

The Advanced Placement program, created by the College Board (www.collegeboard.org) offers college-level curriculum and examinations to high school students. American colleges and universities often grant placement and course credit to students who obtain high scores on AP exams. AP prepares students for more challenging coursework in higher education. Students are encouraged to print their course syllabus and maintain copies of all coursework in a binder or a digital folder. This will assist students at the college level who seek college credit. Currently WGH offers sixteen AP courses.

- AP English Literature & Composition
- AP Language & Composition
- AP Spanish Language & Culture
- AP French Language & Culture
- AP Human Geography
- AP US Government and Politics
- AP United States History
- AP Biology
- AP Chemistry
- AP Calculus
- AP Computer Science Principles
- AP Statistics
- AP Physics 1
- AP Physics 2
- AP Music Theory
- AP African American Studies
 - *Pilot Course for 2023-2024 school year, no college credit offered*

Requirements for Advanced Placement (AP):

- A or B average in the subject area advanced course(s), and upper-level class standing is strongly recommended.
- Teacher recommendation based on coursework and demonstration of academic commitment.
- Demonstration of readiness through college readiness benchmarks including PSAT, SAT, and ACT assessments.



COLLEGE CREDIT PLUS (CCP)

Ohio's College Credit Plus program provides opportunities for students to earn college and high school credits at the same time by taking college courses from community colleges and universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university through College Credit Plus is free, meaning there is no cost for tuition, books, or fees. Students who choose to attend a private college or university may have limited costs.

The program is available to Warren G. Harding students who meet university-specific admission criterion and who demonstrate college readiness as determined by university academic advisors. Students' schedules may need to be adjusted based upon university requirements. Students are encouraged to print their course syllabus and maintain copies of all coursework in a hard copy binder or a digital folder. This will assist students at the college level who seek college credit.

WGH students can take advantage of this program in several ways:

- Taking a college class at WGH during the regular school day, taught by a university credentialed high school teacher. Qualifying courses are offered in conjunction with a partnering university to which a student must first be admitted.
- Taking college courses at the campus of a local university.
- Taking a university course through a non-traditional method of delivery such as distance learning or on-line.

Interested students must submit an Intent Form when scheduling. These forms are available in the Student Services Office and with the College Credit Plus Coordinator. [ccp intent 2023 2024.pdf](#)

Course availability will be subject to the overall number of student requests and annual approval from partnering universities.

Anticipated College Credit Plus courses to be offered for the 2023-2024 school year*

Course	At WGH	On-Line w/Lab Support	University
Chem 1515 /CHM102	Y		YSU /EGCC
Chem 1516 /CHM103	Y		YSU /EGCC
Biology 2601 /BIO114	Y		YSU /EGCC
Biology 2602 /BIO115	Y		YSU /EGCC
Physics 1501 /PHY106	Y		YSU /EGCC
BIOLOGY 112 (ANATOMY I)	Y		EGCC
BIOLOGY 113 (ANATOMY II)	Y		EGCC
MATH 1510 (College Alg.)	Y		EGCC
MATH (Trigonometry)	Y		EGCC

Course	At WGH	On-Line w/Lab Support	University
MATH (Stats)	Y		EGCC
MATH 1571 (Calculus)	Y		EGCC
Foundation of Education	Y		EGCC
Art History		Y	EGCC
Art History II		Y	EGCC
Psychology		Y	EGCC
Sociology		Y	EGCC
World Geography		Y	EGCC
Public Speaking		Y	EGCC

Eastern Gateway Associate of Arts for Transfer (AA-General) Sample Pathways

Sample 15 Credit Hour Pathway

Course Number	Course Name	Credits
ENG101	English Composition 1	3
MTH120	College Algebra	4
COM101	Public Speaking	3
PSY101	General Psychology	3
ENG102	English Composition 2	3
	TOTAL CREDIT HOURS	16

Sample 30 Credit Hour Pathway

Course Number	Course Name	Credits
ENG101	English Composition 1	3
MTH120	College Algebra	4
COM101	Public Speaking	3
BIO114	Principles of Biology 1	4
PSY101	General Psychology	3
ENG102	English Composition 2	3
ENG254	American Literature 1	3
BIO115	Principles of Biology 2	4
SOC101	Introduction to Sociology	3
	TOTAL CREDIT HOURS	30

ENGLISH CORE COURSES

050160 English 1 This course is designed to meet the 9th grade learning indicators as outlined in Ohio's Learning Standards. The broad strands of reading, writing, speaking & listening and language are addressed through grade band specific activities and assessments. Students will read grade level appropriate literary works and informational text with particular attention to developing an ability to analyze & synthesize the content. Writing within the context of applied research, to develop language and for various purposes is expected of students as is language development in vocabulary and conventions of Standard English. 1 Credit (Grade 9) **(0110/0110-I)**

050160 Honors English 1 This course is designed to prepare students for Advanced Placement and College Credit Plus opportunities. The broad strands of reading, writing, speaking & listening and language are addressed through grade band specific activities and assessments. Students will read level appropriate literary works and informational text with particular attention to developing an ability to analyze & synthesize the content. Writing within the context of applied research to develop language for various purposes is expected of students, as is language development in vocabulary and conventions of Standard English. Enrollment in this course will be determined by various data points including, but not limited to past Standardized test scores, teacher recommendation and past performance. 1 Credit (Grade 9) **(0115)**

050170 English 2 This course is designed to meet the 10th grade learning indicators as outlined in Ohio's Learning Standards. The broad strands of reading, writing, speaking, listening, and language are addressed through grade band specific activities and assessments. Students will read grade level appropriate literary works and informational text with particular attention to developing an ability to analyze & synthesize the content. Writing within the context of applied research, to develop language and for various purposes is expected of students as is language development in vocabulary and conventions of Standard English. 1 Credit (Grade 10) **(0120/0120-I)** *This course requires the completion of an end of course state assessment, on which a qualifying score must be earned for the student to satisfy graduation requirements set forth by the State of Ohio.*

050180 Honors English 2 This course is designed to prepare students for Advanced Placement and College Credit Plus opportunities. The broad strands of reading, writing, speaking & listening and language are addressed through grade band specific activities and assessments. Students will read level appropriate literary works and informational text with particular attention to developing an ability to analyze & synthesize the content. Writing within the context of applied research to develop language for various purposes is expected of students, as is language development in vocabulary and conventions of Standard English. To enroll in this course, which is more rigorous than English II, approval based on various data points including, but not limited to past Standardized test scores, teacher recommendation and past performance must be granted. 1 Credit (Grade 10) **(0125)** *This course requires the completion of an end of course state assessment, on which a qualifying score must be earned for the student to satisfy graduation requirements set forth by the State of Ohio.*

050180 English 3 This course is designed to build upon the skills developed in the preceding courses to prepare students to be literarily prepared for post-secondary career and college opportunities. Students will examine social realities of the world and life through engaging in increasingly complex texts including American literature. The course is designed in accordance with Ohio's Learning Standards to develop independent and proficient readers that can respond to informational text with objective analysis. Students will also engage in the writing process to share information and opinions through multiple techniques and text types. 1 Credit (Grade 11) **(0130/0130-I)**

050180 Advanced English 3 4.5 Scale This course is designed to prepare students for Advanced Placement and College Credit Plus opportunities available in 12th grade. This course builds upon the skills developed in the preceding courses to prepare students to be prepared for post-secondary career and college opportunities. The course is designed in accordance with Ohio's Learning Standards to develop independent and proficient readers that can respond to informational text with objective analysis. Students will also engage in the writing process to share information and opinions through multiple techniques and text types. To enroll in this course, which is more rigorous than English III, approval based on various data points including, but not limited to past standardized test scores, teacher recommendation and past performance must be granted. 1 Credit (Grade 11) **(0135)**

059930 AP English Literature & Composition 5.0 Scale This course focuses on reading, analyzing, and writing about 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. Students have the opportunity to receive college credit dependent upon their score on the standardized assessment administered through the College Board. Successful completion of Honors English II with a grade of B or higher or teacher permission is strongly recommended to enroll in this course. Students can also enroll with a PSAT, SAT, or ACT score that demonstrates college readiness in this content. 1 Credit (Grade 11) **(9130)**

00190 English 4 This course is designed to build upon the skills developed in the preceding courses to prepare students to be literarily prepared for post-secondary career and college opportunities. Students will examine social realities of the world and life through engaging in increasingly complex texts including British literature. The course, in accordance with Ohio's Learning Standards, is to develop independent and proficient readers that can respond to informational text with objective analysis. Students will also engage in the writing process to share information and opinions through multiple techniques and text types. 1 Credit (Grade 12) **(0140/0140-I)**

050190 Advanced English 4 4.5 Scale This course is designed for students preparing for university level language coursework who do not wish to pursue college credit in high school. This course builds upon the skills developed in the preceding courses to prepare students to be literarily prepared for post-secondary career and college opportunities. The course, in accordance with Ohio's Learning Standards, is to develop independent and proficient readers that can respond to informational text with objective analysis. Students will also engage in the writing process to share information and opinions through multiple techniques and text types. To enroll in this course, which is more rigorous than English IV, approval based on various data points including, but not limited to past standardized test scores, teacher recommendation and past performance must be granted. 1 Credit (Grade 12) **(0145)**

059920 AP English Language & Composition 5.0 Scale This course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Students have the opportunity to receive college credit dependent upon their score on the standardized assessment administered through the College Board. Successful completion of Advanced English III, AP English Literature & Composition with a grade of B or higher or teacher permission is strongly recommended to enroll in this course. Students can also enroll with a PSAT, SAT, or ACT score that demonstrates college readiness in this content. 1 Credit (Grade 12) **(9140)**

ENGLISH ELECTIVE COURSES

These courses do not satisfy the requirements for the 4 credits of English Language Arts required for graduation or toward the Academic Honors Diploma.

050119 Literacy Skills This course is designed primarily for freshman and sophomore students to build their proficiency in the Language Arts. The content will develop reading and comprehension skills. By permission only. 1 Credit (Grade 9 or 10) **(0190)**

300040 School Publications This co-curricular yearlong course is a laboratory school news production publication course that will require participation outside of the instructional day. Students will focus on all of the journalistic aspects of publication production including publishing, marketing, layout, and photography. Photography students will be taught basic photography using traditional and digital cameras and how to produce, enhance, and manipulate photographs using photo software. 1 Credit (Grade 10, 11, or 12) **(0160)**

050500 Speech/Communication This course concentrates on the fundamentals of public speaking, debate forum, and interpersonal communication. Students will sharpen their research and writing skills as they prepare to deliver four or more speeches on a variety of topics of interest. 0.5 Credit (Grade 11 or 12) **(0158)**

059999 Exploring Literature This course encourages students to discover the love and value of reading through stories, poems, and novels that reflect experiences and perspectives outside of the traditional English classroom readings. Students will read both independently and as a class and will be given the opportunity to explore these readings through discussions, writings, and presentations. This course is for students who love stories and want the opportunity to read more. 0.5 Credit (Grade 11 or 12) **(0175)**

059999 African American Literature This course is designed to offer students an opportunity to study African American literature and heritage and includes an overview of social issues that affect African Americans in today's society. Focus is placed on the accomplishments of African Americans in the literary world. 0.5 Credit (Grade 11 or 12) **(0170)**

059999 Creative Writing This course is designed to introduce students to various forms and genres of creative writing, with a focus on a workshop model through the writing process. Students will engage in daily writing, revisions, and workshop discussions with peers and the instructor to strengthen creative writing skills. 0.5 Credit (Grade 11 or 12) **(0177)**

059999 Mythology The purpose of this course is to introduce students to myths and legends from around the world, with a deep focus on Greek, Roman, and Norse Mythology as well as Arthurian Legend. Students will engage in literary analysis and writing throughout the course and will be evaluated with a series of projects. By registering for this course, students and families agree and understand that some topics and materials will be mature in nature. 0.5 Credit (Grade 10, 11, 12) **(0179)**

BROADCASTING / VIDEO PRODUCTION

290110 Beginning Broadcasting The principles of information technology and broadcasting are linked as students learn the basics of news writing, interviewing, and reporting in this co-curricular course that will require participation outside of the instructional day. Video camera, multimedia production software, and equipment use will be the focus of this course. This is a prerequisite for all W.S.C.N. courses. 0.5 Credit (Grade 10, 11, 12, Grade 9 with administrative permission) **(0150)**

290110 W.S.C.N. Foundations This is the first course of advanced broadcast studies. This co-curricular class will require participation outside of the instructional day. Students will learn the tasks necessary to complete the daily news show and will gain knowledge in several computer programs including Adobe Premiere, Adobe Photoshop, and Adobe After Effects. Students must successfully complete Beginning Broadcasting and gain instructor permission to enroll. 0.5 Credit (Grade 10, 11, or 12) **(0152)**

290110 W.S.C.N. Script Writing This is the second course of advanced broadcast studies. This co-curricular class will require participation outside of the instructional day. Students will sharpen journalistic writing skills and spend extensive time working with studio broadcast equipment including teleprompter functions. Students will also begin writing scripts for cable television productions. Students must successfully complete Beginning Broadcasting and gain instructor permission to enroll in this course. 0.5 Credit (Grade 10, 11, or 12) **(0153)**



MATHEMATICS CORE COURSES

Students should identify the desired pathway after considering high school and post-secondary goals. One course each year will be selected from those available in the desired path. Students are not locked into a given pathway, and may have an opportunity to change their pathway as they progress through WGH.

Year	College Credit Pathways (Math Emphasis)		College Credit Pathway	Career & College Readiness
Senior	College Credit Plus	College Credit Plus	College Credit Plus	Financial Algebra
	AP Calculus / Stats	AP Calculus / Stats	Pre-Calculus	
	Calculus	Calculus	College Algebra	
Junior	↑	↑	↑	↑
	Pre-Calculus	Pre-Calculus	Honors Algebra 2	Algebra 2
	College Credit Plus	College Credit Plus		
Sophomore	↑	↑	↑	↑
	Honors Algebra 2	Geometry & Algebra 2 <small>Students will take both courses during sophomore year</small>	Geometry	Geometry
	↑	↑	↑	↑
Freshman	Honors Geometry	Algebra 1	Algebra 1	Algebra 1

110301 Algebra 1 This course addresses the grades 9-12 portion of Ohio's Learning Standards for mathematics using an integrated approach. This course will identify and justify mathematical properties with fluency in computation using real numbers. Focus will be on coordinate planes, linear and quadratic equations, inequalities, monomials, polynomials, data analysis, and probability. 1 Credit (Grade 9) **(0210)** *This course requires the completion of an end of course state assessment, on which a qualifying score must be earned for student to satisfy graduation requirements set forth by the State of Ohio.*

111200 Honors Geometry 9 This advanced course focuses on skills needed for solving problems using geometry. The course is specifically designed to provide the foundation for the AP Math sequence (students must have passed Algebra I in 8th grade and should have a teacher recommendation to enroll in this course. 1 Credit (Grade 9) **(0215)** *This course requires the completion of an end of course state assessment, set forth by the State of Ohio.*

111200 Geometry In this course students will justify geometric relationships and properties of geometric figures. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships. It is intended that students will use the traditional tools of compass and straightedge as well as dynamic geometry software that models these tools more efficiently and accurately, to assist in these investigations. 1 Credit (Grade 10) **(0220)** *This course requires the completion of an end of course state assessment, set forth by the State of Ohio.*

110302 Honors Algebra 2 This is an advanced course designed for sophomores on a pathway for advanced math course offerings. Using Ohio's Learning Standards as a basis for instruction, students will develop a further understanding of algebraic concepts such as polynomial functions, rational functions, logarithmic functions, exponential functions, and radicals, among others. As an advanced course, this class will explore mathematical ideas beyond the requirements of the learning standards. 1 Credit (Grade 10 or 11 w/ recommendation) **(0225)**

110302 Algebra 2 This course expands the study of algebra. The study of algebra and processes such as polynomial functions, rational functions, logarithmic functions, exponential functions, and radicals will be included. 1 Credit (Grade 11) **(0230)**

110500 Financial Algebra This course extends the understanding of mathematics drawn from such topics as algebra, geometry, data analysis, probability, and/or discrete mathematics and uses these skills in an application-based format. The students will study a variety of real-world problems related mainly to the handling of finances. Topics include, but are not limited to banking services, consumer credit, automobile ownership, income taxes, and planning for retirement. This fourth year course is designed for students who do not desire to enroll in other advanced math courses in future academic and career pursuits. 1 Credit (Grade 11 or 12) **(0240)**

110099 Pre-Calculus (EGCC College Credit Plus option) 4.5 or 5.0 Scale This course addresses advanced content in algebra, geometry, data analysis, probability, discrete mathematics, and/or conceptual underpinnings of calculus. This course may also include such topics as trigonometric identities, sequences and series, limits, complex numbers, and introduction to conics. This content is based upon Ohio's Learning Standards (successful completion of Algebra I, Geometry, and Algebra II is required to enroll in this course). 1 Credit (Grade 11 or 12) **(0250) (CCP 9251/9252)**

110099 CCP College Algebra/Trigonometry (EGCC College Credit Plus option) 5.0 Scale This course is targeted towards College Credit Plus qualifying students, although non-CCP students seeking a college level algebra course may consider selection. Topics include real numbers, equations, and inequalities, linear, quadratic, polynomial, exponential, and logarithmic functions, graphing techniques, systems of equations, and applications. Qualification for CCP math pathways or successful completion of Algebra II is required to enroll in this course. 2 Credits (Grade 11 or 12) *EGCC Course Option College Algebra students will be required to take the EGCC College Algebra final exam to receive credit. EGCC admission requirements and a B average in Algebra II must be met prior to taking this course. EGCC admission requirements must be met prior to taking this course.*

119550 AP Statistics; EGCC Statistics (College Credit Plus option) 5.0 Scale This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment of the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. 1 Credit (Grade 11 or 12) **(CCP 9258)**

110600 Calculus (EGCC College Credit Plus) 4.5 or 5.0 Scale This course is a formal study of topics from calculus that are not associated with the AP Program. Included is the study of functions, graphs, limits, differentiation, and integration. Successful completion of Algebra I, Geometry, Algebra II, Pre-Calculus, or the equivalent is required to enroll in this course. 1 Credit (Grade 12) **(0260) (CCP 9260)** *EGCC Course Option Calculus students will be required to take the EGCC Calculus final exam to receive credit. Four credit hours can be earned upon completion of the course requirements. EGCC admission requirements must be met prior to taking this course.*

119930 AP Calculus AB 5.0 Scale This course is devoted to college level mathematics for which most colleges grant advanced placement and/or credit. College credit may be granted upon successfully passing the Calculus AB exam. While some time may be allowed for the review of elementary functions, most of the year will be spent on topics in differential and integral Calculus in preparation for the Calculus AB exam. The main ideas to be presented over the course of the year are as follows: Functions, Graphs, and Limits; Derivatives; Integrals. Successful completion of Algebra I, Geometry, Algebra II, Advanced Math/Pre-Calculus, or the equivalent is required to enroll in this course. 1 Credit (Grade 12) **(9220)**

MATHEMATICS ELECTIVE

300030 Advancing Math / Math Skills This course is designed to provide support and coincide with the 9th grade Algebra I course. Students will be introduced to strategies to improve learning and develop math-related study skills and improve test performance. The course is designed to provide immediate support and reinforcement for freshmen students enrolled in Algebra I to help ensure achievement in the course. Student placement is determined by 7th & 8th Ohio State Grade Level Tests math scores and is by permission only. 1 Credit (Grade 9) **(0261)**

SCIENCE CORE COURSES

Students should identify the desired pathway after considering high school and post-secondary goals. One course each year will be selected from those available in the desired path. Students are not locked into a given pathway, and may have an opportunity to change their pathway as they progress through WGH.

Year	College Credit Pathway (Science Emphasis)	College Credit Pathway	Career and College Readiness	
Senior	College Credit Plus	College Credit Plus	Science Electives	4 th year not required
	AP Biology	AP Chemistry	Chemistry	
	AP Physics 1 or 2	AP Physics 1	Physiology & Anatomy	
	Forensics 1 and 2	Forensics 1 and 2	Forensics 1 and 2	
Junior	↑	↑	↑	↑
	College Credit Plus	Chemistry	Chemistry	Science Electives
	AP Physics 1	Physics	Biology 2	Environmental Science
	AP Chemistry	Forensics 1 and 2	Physiology & Anatomy	Biology 2
	Physics		Environmental Science	
Sophomore	Forensics 1 and 2			
	↑	↑	↑	↑
	Chemistry	Physical Science	Physical Science	Physical Science
Freshman	↑	↑	↑	↑
	Biology	Biology	Biology	Biology

132230 Biology I This course meets the requirements of Ohio's Learning Standards in the Life Sciences and develops standards-based knowledge and skills. Course study includes cells, concepts in chemistry and biochemistry, genetics and DNA, diversity of life, ecology, biological evolution, historical perspectives, and emerging issues; scientific advances and emerging technologies; nature of science inquiry, ethics in science, science and careers, and modeling investigations. 1 Credit (Grade 9) **(0410)** *This course requires the completion of an end of course state assessment. A proficient score on the assessment will earn students a Department of Education Science Seal which can be used to satisfy state graduation requirements.*

132220 Physical Science This course is based on Ohio's Learning Standards for Physical Science. Content covered in this course will build on the students' middle school knowledge and understanding of basic principles in Physics, Chemistry and Earth/Space Sciences. Topics covered will include forces and motion, electricity, energy and waves, classification of matter, atomic structure, chemical bonding and reactions, as well as the formation of the universe, galaxies and stars. Scientific skills, inquiry and application will be incorporated throughout the course. 1 Credit (Grade 10) **(0420)**

132230 Biology 2 This course is designed to teach the fundamental characteristics of organisms from the kingdoms Monera, Protista, Fungi, and Animalia so that students will have a better understanding of the world around them and their place in it. Course study includes the analysis and comparison of a diverse set of organisms through research and hands on activities. Students will also develop soft skills in the areas of communication, organization, and critical thinking (successful completion of Biology I with a grade of C or higher is strongly recommended to enroll in this course). 1 Credit (Grade 11 or 12) **(0450)**

130301 Chemistry 4.5 Scale This course is the scientific study of how atoms combine to form materials of what things are made of and why they behave as they do. Students will study the composition, structure, properties of, and changes in matter, including the accompanying energy phenomena. This course serves preparation for the Advanced Placement and CCP Chemistry offerings. 1 Credit (Grade 10, 11, or 12) **(0425/0435)**

132350 Environmental Sciences This course will help students to develop standards-based knowledge and skills. Content includes interactions between humans and the Earth, ecosystems, environmental factors, biological evolution, populations, diversity, matter and energy, relationships, human interactions with science and technology, understanding technology, research, science and society, application of science processes, and techniques and research. 1 Credit (Grade 11 or 12) **(0430)**

132220 Conceptual Physics This science course is geared toward the college-bound student not wishing to pursue a career in math or science. The student will increase understanding of the physical world and the fundamental laws of nature by studying the concepts of physics. Topics include classical mechanics, energy transformations, thermodynamics, fluid mechanics, waves, light, sound, electricity, magnetism and atomic physics. 1 Credit (Grade 11 or 12) **(0460)**

132220 Conceptual Chemistry This science course is geared toward the college-bound student not wishing to pursue a career in math or science. This course is an introduction to the basic chemical concepts. Topics covered include atomic models, metric conversions, elements, molecules, acid bases, organic compounds, electron configuration, bonding, and basic chemical reactions. 1 Credit (Grade 11 or 12) **(0462)**

132230 Physiology & Anatomy 4.5 Scale or 5.0 Scale if CCP An excellent preparatory course for students pursuing a career interested in a health-related career, especially students who plan to study medicine, nursing, physical therapy, or athletic training. Topics include the study of cells, tissues, basic medical terminology, and eleven body systems. A minimum of one laboratory activity for each unit is incorporated for a better understanding of the concepts. This course is based on the National Science Standards. Successful completion of Biology I with a grade of C or higher, or teacher / counselor recommendation is required to enroll in this course. 1 or 2 Credits dependent upon college option (Grade 11 or 12) **(0455)**

139906 AP Chemistry (YSU/EGCC College Credit Plus option) 5.0 Scale This course is based on the current program syllabus for Advanced Placement Chemistry and prepares students for the AP Examination. Successful completion of Chemistry with a grade of B or higher or teacher permission is strongly recommended to enroll in this course. Excellent attendance is critical. 1 or 2 Credits dependent upon college option (Grade 11 or 12) **(9425-GEN (9426 & 9427 HS/9428 & 9429 CCP)** *YSU Course Option: This offering covers the fundamental principles and the more important elements and compounds, and qualitative analysis. This course is intended for majors in the natural sciences and engineering. Three hours lecture and three hours laboratory-discussion. Up to 8 YSU credit hours can be earned, YSU admission requirements must be met prior to taking this course.*

139903 AP Biology (YSU/EGCC College Credit Plus option) 5.0 Scale This course is based on the current program syllabus for Advanced Placement Biology and prepares students for the AP Examination. Excellent attendance is required. Successful completion of Biology I, Chemistry I, and Algebra I with a B or higher in each course or teacher permission is strongly recommended to enroll in this course. 1 or 2 Credits dependent upon college option (Grade 11 or 12) **(9410-GEN) (9411 & 9412HS/9413 & 9414 CCP)** *YSU Course Option: This offering delves into the general concepts of biology-evolution, ecology, cells, and heredity. It is intended for majors in pre-medicine and natural sciences. Up to 8 YSU credit hours can be earned, YSU admission requirements must be met prior to taking this course. Must successfully complete YSU CCP Chemistry to enroll.*

130302 Physics 4.5 Scale This course is an algebra-based study of matter and energy, including the study of phenomena associated with mechanics, wave motion, sound, light, and electricity as described in the Ohio Content Standards. This course is geared toward the college-bound student to increase awareness and understanding of the physical world and fundamental laws of nature. This course is recommended for students pursuing careers in mathematics or science. (Successful completion of Algebra I, Geometry, and Algebra II with grades of C or higher are strongly recommended to enroll in this course). 1 Credit (Grade 11 or 12) **(0465)**

139940 AP Physics 1 (YSU/EGCC College Credit Plus option) 5.0 Scale This course is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course prepares students for the AP examination provided by the College Board. 1 Credit (Grade 11 or 12) **(9465 HS/9466 CCP)** *YSU Course Option AP Physics students will be required to take all the YSU course tests including a Lab exam in order to receive credit. Up to 5 credit hours can be earned upon successful completion, and YSU admission requirements must be met prior to taking this course.*

139905 AP Physics 2 5.0 Scale This course is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course prepares students for the AP examination provided by the College Board (successful completion of Physics with a grade of B or higher or teacher permission is recommended to enroll in this course). 1 Credit (Grade 12) **(9468)**

132230 Botany Introduction to plant biology with an emphasis placed on natural selection and the diversity of the plant kingdom. This diversity will be examined by plant adaptations to various types of environmental conditions (successful completion of Biology 1 is required). 0.5 Credit (Grade 11 or 12) **(0470)**

139999 Oceanography The students will study all aspects of the ocean including currents, weather patterns, chemical compositions, ecological environments, and animal diversity. Students will study the relationship with the ocean and the mutual effect on each other. 0.5 Credit (Grade 11 or 12) **(0472)**

139999 Ecology The students will study the different relationships between living and nonliving organisms. Students will study the different types of environments, biomes, and aquatic environments. Students will also study the human impact on these environments and organisms. 0.5 Credit (Grade 11 or 12) **(0474)**

139999 Astronomy A non-mathematical study of all matter and energy in the universe, emphasizing the concentration of this matter and energy in evolving bodies such as planets, stars, and galaxies. Topics include the sun, solar systems, stars, black holes, supernova, and quasars. 0.5 Credit (Grade 11 or 12) **(0476)**

139999 Forensic Science 1 4.5 Scale Forensics focuses on the skills and concepts behind crime scene investigation and forensic science, which is the application of science for solving crimes. Whether students desire to be crime scene investigators, forensic pathologists, or some other medical scientists, this course will help students hone their investigative skills and review a wide range of science concepts. Forensic science is an upper-level course that applies many disciplines of scientific study such as biology, anatomy, chemistry, and physics to solving crimes. Students will learn to observe, collect, analyze, and evaluate evidence associated with criminal cases. Through scientific reasoning and critical thinking, students will evaluate the use of scientific principles as they apply to criminalistics and other life situations. (Successful completion of Biology I with a grade of C or higher, or teacher / counselor recommendation is required) 0.5 Credit (Grade 11 or 12) **(0480)**

139999 Forensic Science 2 4.5 Scale This class is a continuation of content that students learned in Forensic Science I. Forensics focuses on the skills and concepts behind crime scene investigation and forensic science, which is the application of science for solving crimes. Whether students desire to be crime scene investigators, forensic pathologists, or some other medical scientists, this course will help students hone their investigative skills and review a wide range of science concepts. Forensic science is an upper-level course that applies many disciplines of scientific study such as biology, anatomy, chemistry, and physics to solving crimes. Students will learn to observe, collect, analyze, and evaluate evidence associated with criminal cases. Through scientific reasoning and critical thinking, students will evaluate the use of scientific principles as they apply to criminalistics and other life situations. (Successful completion of Biology I with a grade of C or higher, or teacher / counselor recommendation is required) 0.5 Credit (grade 11 or 12) **(0481)**

SOCIAL STUDIES CORE COURSES

150890 World History This course examines world events from 1600 to the present in connection to the Ohio Learning Standards. 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 independence movements, and the effects of global interdependence. The concepts of historical thinking continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. 1 Credit (Grade 9) **(0310)**

150890 AP Human Geography 5.0 Scale AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alternation of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences and learn about the methods and tools geographers use in their research and application. This course connects to the curricular goals of the College Board's AP Human Geography (2020) and the AP Exam will be offered to students following the completion of the course. Students who score a 3 or higher on the AP Exam have the opportunity to receive college credit through College Board. Enrollment in this course will be determined by various data points including, but not limited to previous standardized test scores (PSAT, SAT/ACT, EOC), teacher recommendations, and past academic performance in social studies. 1 Credit (Grade 9) **(9310)**

150810 U.S. History This course examines the history of the United States of America from 1877 to the present in connection to the Ohio Learning Standards. 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. 1 Credit (Grade 10) **(0320)** *This course requires the completion of an end of course state assessment. A proficient score on the assessment will earn students a Department of Education Citizenship Seal, which can be used to satisfy Ohio graduation requirements.*

150810 Honors U.S. History This course examines the history of the United States of America from 1877 to the present in connection to the Ohio Learning Standards. 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. Enrollment in this course will be determined by various data points including, but not limited to previous standardized test scores (PSAT, SAT/ACT, AIR), teacher recommendations, and past academic performance in social studies. 1 Credit (Grade 10) **(0325)** *This course requires the completion of an end of course state assessment. A proficient score on the assessment will earn students a Department of Education Citizenship Seal, which can be used to satisfy Ohio graduation requirements.*

153001 Financial Literacy This course is a requirement for graduation for students entering 9th grade on or after July 1, 2022. This course prepares students to understand financial literacy concepts including financial responsibility and decision making, planning and money management, investing, credit and debt, risk management and insurance, and the basics of being an informed consumer. 0.5 Credit (Grade 10) **(0328)**

150300 U.S. Government Students examine the Founding Documents, which form the basis for the United States of America and how the American people govern themselves at national, state and local levels of government. This includes the study of institutions and processes through which decisions are made for the United States. This course will also examine how the American people govern themselves at all 3 levels of government as expressed in the Ohio Learning Standards. 1 Credit (Grade 11) **(0330)** *This course requires the completion of an end of course state assessment. A proficient score on the assessment will earn students a Department of Education Citizenship Seal, which can be used to satisfy Ohio graduation requirements.*

150300 Advanced U.S. Government 4.5 Scale Students examine the Founding Documents, which form the basis for the United States of America and how the American people govern themselves at national, state, and local levels of government. This includes the study of institutions and processes through which decisions are made for the United States. This course will also examine how the American people govern themselves at all 3 levels of government as expressed in the Ohio Learning Standards. Enrollment in this course will be determined by various data points including, but not limited to previous standardized test scores (PSAT, SAT/ACT, AIR), teacher recommendations, and past academic performance in social studies. 1 Credit (Grade 11) **(0335)** *This course requires the completion of an end of course state assessment. A proficient score on the assessment will earn students a Department of Education Citizenship Seal, which can be used to satisfy Ohio graduation requirements.*

152600 AP United States History 5.0 Scale 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 and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. This course connects to the curricular goals of the College Board's AP United States History (2020) and the AP Exam will be offered to students following the completion of the course. Students who score a 3 or higher on the AP Exam have the opportunity to receive college credit through College Board. A summer assignment and outside projects are typically required for this course. Enrollment in this course will be determined by various data points including, but not limited to previous standardized test scores (PSAT, SAT/ACT, AIR), teacher recommendations, and past academic performance in social studies. 1 Credit (Grade 10, 11 or 12) **(9320)**

159950 AP Government and Politics 5.0 Scale 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. This course connects to the curricular goals of the College Board's AP Government and Politics Curriculum (2020) and the AP Exam will be offered to students following the completion of the course. Students who score a 3 or higher on the AP Exam have the opportunity to receive college credit through College Board. A summer assignment and outside projects are typically required for this course. Enrollment in this course will be determined by various data points including, but not limited to previous standardized test scores (PSAT, SAT/ACT, EOC), teacher recommendations, and past academic performance in social studies. 1 Credit (Grade 11 or 12) **(9330)**

SOCIAL STUDIES ELECTIVE COURSES

The following elective courses do NOT satisfy the requirements as one of the three Social Studies credits required for graduation.

151311 Sociology This elective course is a study of social relationships, institutions, and group behavior. 0.5 Credit (Grade 11 or 12) **(0352)**

151121 Psychology The study of the human brain and its influence on behavior. 0.5 Credit (Grade 11 or 12) **(0354)**

159999 AP African American Studies 5.0 Scale Drawing from the expertise and experience of college faculty and teachers across the country, the course is designed to offer students an evidence-based introduction to African American studies. This interdisciplinary course reaches into a variety of fields to explore the vital contributions and experiences of African Americans. *This is a Pilot Course for the 2023-2024 school year, students do NOT have the ability to earn College Credit, the course is weighted.* 1 Credit (Grade 10, 11, 12) **(9350)**

159999 African-American History The study of ancient African culture and heritage in America from slavery through the Civil Rights era. Special attention is paid to African American accomplishments. The course concludes with an overview of social issues that affect African Americans in contemporary society. 1 Credit (Grade 11 or 12) **(0350)**

159999 Current Events This elective course provides students an opportunity to analyze contemporary events in the community, state, nation, and world from a variety of sources. 0.5 Credit (Grade 11 or 12) **(0373)**

159999 Real Life Law A This elective class provides knowledge of the basics of law needed for daily living and familiarizing students with their rights and legal procedures. 0.5 Credit (Grade 11 or 12) **(0356)**

159999 Real Life Law B This course provides knowledge of the most important phases of law encountered by citizens. Students will gain an understanding of the Constitution, court system and procedures, and criminal law. 0.5 Credit (Grade 11, or 12) **(0357)**

159999 History Versus Hollywood This course will ask the students to partake in a deeper investigation of the historical events through research, class discussion, lecture, and primary and secondary sources. After the initial investigation takes place, the class will watch a correlating Hollywood production of the same event and the students will be asked to analyze the film with a critical eye, looking for bias, accuracy, hidden agendas, similarities and differences, and to write a film review using proper evidence to support their statements. This course will be focused on writing, critical thinking, analysis, and research. By registering for this course, students and families agree and understand that some topics, films and materials will be mature in nature. 0.5 Credit (Grade 11 or 12) **(0377)**

159999 Contemporary World Geography A This course will build on students' understanding of geography and spatial thinking of Industrialized Nations. Contemporary issues are explored through a geographical lens to examine their impact on the inhabitants of a region and the world. In addition to understanding where and why physical and cultural features are located, students examine the implications of these spatial arrangements. 0.5 Credit (Grade 11 or 12) **(0368)**

159999 Contemporary World Geography B This course will build on students' understanding of geography and spatial thinking of Non-Industrialized Nations. Contemporary issues are explored through a geographical lens to examine their impact on the inhabitants of a region and the world. In addition to understanding where and why physical and cultural features are located, students examine the implications of these spatial arrangements. 0.5 Credit (Grade 11 or 12) **(0369)**

159999 Evolution of Music A (Origins-1960s) This course examines the early pioneers of music and genres such as Gospel, Blues, Country, Jazz, and R&B. In bringing together these musical bloodlines, Rock and Roll also brought people together from across regions, race and class lines, and finally, across oceans. This section studies the birth of rock and roll through the British Invasion, 1940s-1960s. 0.5 Credit (Grade 11 or 12) **(0370)**

159999 Evolution of Music B (1960s-Present) This course continues to examine music's evolution. Rock and Roll had begun to transform into many sub-genres of music and this music became a platform for social change. This section studies the cultural significance of music and the many genres that came from the 1960s through the music of today. 0.5 Credit (Grade 11 or 12) **(0371)**

031500 Economics & Financial Literacy This course is the study of economics and financial literacy. Students will study the societal economics as well as gain skills in making personal economic decisions and planning for the future. This course does NOT meet the Financial Literacy Graduation requirement for students in the class of 2026 and beyond. 0.5 Credit (Grade 11 or 12) **(0375)**

ENGINEERING & ROBOTICS

100300 Introduction to Engineering and 3D Printing This course introduces students to various tools and problem-solving skills common to most fields of engineering and technology. The course will emphasize developing both individual critical thinking, and collaborative problem-solving skills, essential in today's world of technology. Students will learn the basics of the engineering design process of product design, testing, and evaluation. Students will use industry standard 3D modeling software (AutoCAD, OnShape, SolidWorks, Inventor) to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. 1 Credit (Grade 9, 10, 11, or 12) **(0690)**

100300 Engineering Design and Development This course will be a continuation of Introduction to Engineering and 3D Printing. Students will explore and focus on the different fields of engineering including Mechanical Engineering, Civil Engineering, Electrical Engineering, Aerospace Engineering, etc. Students will build upon the concepts learned through the various 3D modeling programs to solve more complex problems and drawings. Students will work alone and in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students must successfully complete Introduction to Engineering and 3D Printing to enroll in this course. 1 Credit (Grade 10, 11, or 12) **(0691)**

101350 Robotics 1 This course is designed as an introduction into the world of robotics. Students will be instructed in the application of processes and knowledge in the design, development, and use of systems to manage and control devices. 1 Credit (Grade 9, 10, 11, or 12) **(0680)**

101350 Robotics 2 This course is designed as a continuation into the world of robotics. Students will become proficient in the application of processes and knowledge in the design, development, and use of systems to manage and control devices. This class is designed for but not limited to, students who have an interest in continuing study of Engineering courses. 1 Credit (Grade 10, 11, or 12) **(0682)**

MANUFACTURING SYSTEMS WOODS COURSES

100200 Foundations of Manufacturing (Level 1) This course is designed to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the manufacturing career cluster. This course provides students with opportunities to become familiar with related careers and to develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing. The course provides an overview of the safe use of tools and equipment used in the industry. Introduction and skills in manufacturing using woods and emerging experiences with welding and metals. 0.5 Credit (Grade 9, 10, 11, or 12) **(0650)** *Students will have the opportunity to earn 4 Industry Recognized Credential Points.*

101900 Woodworking 1 (Level 2) This course is designed as a woodworking course that investigates the art of woodworking and related safety strategies. This course will cover both hand and machine woodworking tools to develop skills and techniques for use in the wood shop setting. Students must have completed (0650) Foundations in Manufacturing. 0.5 Credit (Grade 10, 11, or 12) **(0670)** *Students will have the opportunity to earn 4 Industry Recognized Credential Points.*

101900 Advanced Woodworking (Level 3) This course is designed as an advanced woodworking course that investigates the art of woodworking and related safety strategies. This course will thoroughly cover both hand and machine woodworking tools to develop advanced skills and techniques for use in the wood shop setting. Students must have successfully completed Woodworking 1. 0.5 Credit (Grade 10, 11, or 12) **(0671)** *Students will have the opportunity to earn 4 Industry Recognized Credential Points.*

101900 Exterior Carpentry This is an introductory course designed to teach the basics of carpentry. Areas of study include basic safety, orientation to the trade, intro to materials handling, fasteners & adhesives, intro to hand and power tools, construction drawings, specifications, and layout, floor and wall framing systems, ceiling joist and roof framing, roofing materials and methods, cabinetmaking, basic communication skills, basic employability skills, rigging, building envelope systems. Students have the opportunity to receive a 10-hour OSHA card. Students must have completed (0671) Advanced woodworking and must have instructor permission to enroll. 0.5 Credit (Grade 11 or 12) **(0672)** *Students will have the opportunity to earn 4 Industry Recognized Credential Points and fulfill the 12-point Industry Recognized Credential.*

101900 Finish Carpentry This course is designed for students wishing to enter one of the building trades such as carpentry, sheet rocking, formwork, concrete work, painting, or other related trades. The main class project is the construction of a five or six room residence done by the students in as much as building codes permit. Students have the opportunity to receive a 10-hour OSHA card. Students must have completed (0672) Advanced woodworking and must have instructor permission to enroll. 0.5 Credit (Grade 11, or 12) **(0673)** *Students will have the opportunity to earn 4 Industry Recognized Credential Points and fulfill the 12-point Industry Recognized Credential.*

MANUFACTURING SYSTEMS METALS COURSES

101410 Introduction to Welding This course prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study workplace safety and organization, basic manufacturing processes, metals identification, basic interpretation of welding symbols, and oxyfuel gas cutting practices. Students demonstrate learned skills by creating and producing a finished product. This program offers a broad foundation of knowledge and skills to prepare students for 1, 2, and 3 F welding certifications. Students must have completed (0670) Foundations in Manufacturing. 0.5 Credit (Grade 10, 11, or 12) **(0660)** *Students will have the opportunity to earn 4 Industry Recognized Credential points.*

101410 Welding 1 The Welding 1 course prepares students for entry into the welding industry as a basic Shielded Metal Arc Welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study basic shielded metal arc welding (SMAW) which offers a broad foundation of knowledge and skills to prepare students for 1, 2, and 3 F welding certifications, principles, and visual examination skills. Students must have completed (0660) Introduction to Welding. 0.5 Credit (Grade 10, 11, or 12) **(0662)** *Students will have the opportunity to earn 4 Industry Recognized Credential points.*

101410 Fabrication This course is designed to build on the skills and knowledge students learned in Welding 1 for entry into the welding industry as a basic Shielded Metal Arc Welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success in the welding industry. Students study employability and welding careers, intermediate shielded metal arc welding (SMAW), and Gas Metal Arc Welding (GMAW). Students must have completed Welding 1 and must have instructor permission to enroll. 0.5 Credit (Grade 11, or 12) *Students will have the opportunity to earn 4 Industry Recognized Credential Points and fulfill the requirements of the 12-point Pre-Apprenticeship.*

101410 Non-Ferrous The Non-Ferrous course prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes advanced skills key to the success of working in the welding industry. Students study intermediate and advanced Shielded Metal Arc Welding (SMAW), GMAW, pipe fitting fabrication techniques, and advanced Gas Tungsten Arc Welding (GTAW) skills focusing on non-Ferrous metals. Students must have completed Welding 1 and must have instructor permission to enroll. 0.5 Credit (Grade 11, or 12) *Students will have the opportunity to earn 4 Industry recognized Credential points.*

WORLD LANGUAGE

060230 French 1 This course is the first in a sequence of the study of the language and culture of the French-speaking world leading to the ability to communicate and glean meaning from a variety of texts. Students will develop listening, speaking, reading, and writing comprehension skills. Cultural aspects will be integrated into language lessons. Students entering from eighth grade are recommended to have a B or higher in English or teacher permission to enroll. 1 Credit (Grade 9, 10, 11, or 12) **(0710)**

060230 French 2 This course is the second in a sequence of the study of the language and culture of the French-speaking world leading to the ability to communicate in a range of situations and gain meaning from a variety of texts. Students will extend knowledge of the French culture. The focus of this course will be on pronunciation, grammatical structures, vocabulary, reading, and composition. Successful completion of French 1 with a grade of C or higher or teacher permission is required to enroll. 1 Credit (Grade 10, 11, or 12) **(0712)**

060230 French 3 This course is the third in a sequence of the study of the language and culture of the French-speaking world leading to the ability to communicate in a range of situations and gain meaning from a variety of texts. This course builds on prior knowledge, expands grammar, reading, writing skills, with an emphasis on literary analysis. French culture is further explored. Successful completion of French 2 with a grade of C or higher or teacher permission is required to enroll. 1 Credit (Grade 11 or 12) **(0714)**

060230 French 4 This course is the fourth in a sequence of the study of the language and culture of the French-speaking world leading to the ability to communicate in a range of situations. This course places an emphasis on the study of French literature, history, and culture. Students will conduct research, prepare written compositions, and present oral projects. Students must successfully complete French 3 to enroll in this course. 1 Credit (Grade 12) **(0716)**

069914 AP French Language and Culture 5.0 Scale This course follows the Advanced Placement syllabus in preparation for the Advanced Placement exam. Students have the opportunity to receive college credit based on the exam score. Successful completion of French 3 with a grade of B or higher or teacher permission is required to enroll. Excellent attendance is critical. 1 credit (Grade 12) **(9716)**

060265 Spanish 1 This course is the first in a sequence of the study of the language and culture of the Spanish-speaking world leading to the ability to communicate and gain meaning from a variety of texts. Students will develop listening, speaking, reading, and writing comprehension skills. Cultural aspects will be integrated into language lessons. Students entering from eighth grade are recommended to have a B or higher in English or teacher permission to enroll. 1 Credit (Grade 9, 10, 11, or 12) **(0750)**

060265 Spanish 2 This course is the second in a sequence of the study of the language and culture of the Spanish-speaking world leading to the ability to communicate in a range of situations and gain meaning from a variety of texts. Students will expand their ability to read, write, speak, and listen to Spanish. Students will be expected to communicate in Spanish employing principles of grammar. Successful completion of Spanish 1 with a grade of C or higher or teacher permission is required to enroll in this course. 1 Credit (Grade 9, 10, 11, or 12) **(0752)**

060265 Spanish 3 This course is the third in a sequence of the study of the language and culture of the Spanish-speaking world leading to the ability to communicate in a range of situations and read a variety of texts. This course will focus on instruction at the advanced intermediate level. Students will expand their ability to read, write, speak, and listen to Spanish. Successful completion of Spanish 2 with a grade of C or higher or teacher permission is required to enroll. 1 Credit (Grade 10, 11, or 12) **(0754)**

060265 Spanish 4 This course is the fourth in a sequence of the study of the language and culture of the Spanish-speaking world leading to the ability to communicate in a range of situations. This course will focus on instruction at the advanced level. Students will expand their ability to read, write, speak, and listen to Spanish at an advanced level. Students must successfully complete Spanish 3 to enroll. 1 Credit (Grade 12) **(0756)**

060265 AP Spanish Language and Culture 5.0 Scale This course follows the Advanced Placement syllabus in preparation for the Advanced Placement exam. Students have the opportunity to receive college credit based on the exam score. Successful completion of Spanish 3 with a grade of B or higher or teacher permission is required to enroll. Excellent attendance is critical. 1 Credit (Grade 12) **(9756)**

FAMILY CONSUMER SCIENCE

093005 Personal Wellness and Development In this course students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health. 0.5 Credit (Grade 9 or 10) **(0850)**

091410 Career and College Readiness In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills, and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation leadership and entrepreneurship. 0.5 Credit (Grade 11 or 12) **(0858)**

091205 Principals of Foods (Foods 1) In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized. 0.5 Credit (Grade 10, 11, or 12) **(0860)**

091220 Culinary Fundamentals (Foods 2) In this course, students will apply fundamental culinary techniques, such as knife handling, and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on the management of time, ingredients, and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. A grade of "C" or better in Foods I is recommended. 0.5 Credit (Grade 11 or 12) **(0862)**

091501 Textiles and Interior Design In this course, students will explore a range of topics relating to the various aspects and career opportunities available in the field of textiles and design. The emphasis will be given to textiles project development and developing strategies to maintain the home. Additional topics include project collaboration, design techniques and environmental sustainability. 0.5 Credit (Grade 11 or 12) **(0865)**

090191 G.R.A.D.S. (Graduation, Reality, and Dual-Role Skills) This course will allow pregnant and parenting students to remain in school while developing parenting skills. Topics include career readiness, financial management, relationship techniques, human growth and development and parenting styles and responsibilities. Permission only 0.5 Credit **(0867) (0868)**

BUSINESS AND MANAGEMENT

032300 Foundations of Business & Marketing 1 This course serves as an introduction to the Business and Entrepreneurship course of study. Students will obtain knowledge and skills in the fundamentals of business and marketing. Students will acquire knowledge of business processes, economics, business relationships, marketing strategies, market identification techniques and business ethics and law. 0.5 Credit (Grade 9, 10, 11, or 12) **(0601)**

032300 Foundations of Business & Marketing 2 This course serves as continuation to the Business and Entrepreneurship course of study. Students will deepen knowledge and skills in the principals of business and marketing activities. More specifically, they will further develop their knowledge of business processes, economics, business relationships, marketing strategies, market identification techniques and business ethics and law. Successful completion of Foundations I required. 0.5 Credit (Grades 9, 10, 11, and 12) **(0603)** *Students have the opportunity to earn a 3 point Entrepreneurship and Small Business Industry Recognized Credential.*

033450 Entrepreneurship This course serves as the culmination of the Business and Entrepreneurship course of study. Students will develop strategic marketing skills needed to manage a small business. They will create and implement a business plan, supervise employees, and develop a budget using management skills and technology. Students will utilize project management skills to guide decision making. They will be introduced to a broad view of marketing, finance and business that is applicable to all three national career fields within business administration. Students must successfully complete Business Foundations I & II to take this course. 0.5 Credit (Grade 11 or 12) **(0605)** *Students have the opportunity to earn a 3 point Entrepreneurship and Small Business Industry Recognized Credential.*

030100 Automated Accounting 1 This course introduces students to fundamental business and technical skills necessary to become active participants in business and the contemporary global market. Students will explore business content including the fundamental accounting cycle, and will account for depreciation of plant and equipment, uncollectable accounts receivable, inventories, notes payable and receivable, partnerships, and corporations. Automated accounting, business ethics, Microsoft Office, and other related business simulations are fully integrated into the course content. 0.5 Credit (Grade 11 or 12) **(0608)**

030100 Automated Accounting 2 This course is a continuation of accounting principles with an emphasis on partnerships and corporations, computerized accounting, payroll, and income taxes. Students with a business career objective are encouraged to enroll in this course. Successful completion of Automated Accounting 1 with a grade of B or higher or teacher recommendation is required to enroll in this course. 0.5 Credit (Grade 11, or 12) **(0610)**

COMPUTER SCIENCE

290100 Computer Applications 1 This course provides an overview of computer applications including Microsoft Word, PowerPoint, and Excel in order to expose students to practical examples of the computer as a useful tool. Students will learn proper procedures to create, edit, and format documents, presentations, and worksheets. Students will discover the underlying functionality of Microsoft Office so they can become more productive and able to develop an exercise-oriented approach that allows learning by doing. 0.5 Credit (Grade 9, 10, 11, or 12) **(0620)**

036000 Computer Applications 2 This course is intended for a second course on Microsoft Office applications. The objective of this course is to go beyond the fundamentals and offer an in-depth presentation of Microsoft Word and Microsoft PowerPoint to expose students to practical examples of the computer as a useful tool, acquaint students with the proper procedures to create documents and presentations specifically for professional purposes. Students will be expected to prepare for and demonstrate proficiency on Microsoft certification exams in Word and PowerPoint to become credentialed in Microsoft. Successful completion of Computer Applications 1 is required to enroll. 0.5 Credit (Grade 9, 10, 11, or 12) **(0621)** *Students will have the opportunity to earn 3 Industry Recognized Credential Points in Microsoft Word and 3 Industry Recognized Points in Microsoft Power Point.*

290050 Introduction to the Science and Technology of Computers This course is an introduction to the concepts, both mathematical and technological, upon which the design of all computers is based. Students will examine internal and external computer components and devices and gain an understanding of their interdependencies. During this course, the meaning of the specifications of personal computers will be made clear through theoretical discussions and hands-on demonstration of the inner workings of these computers and their peripherals. The successful completion of this course will enable the student to evaluate computer configurations, determine system power and value, and understand the hardware requirements of various computer applications. This course will provide students with a general knowledge about computer hardware, software, networking, languages, and the impact on the modern world. 0.5 Credit (Grade 10, 11, or 12) **(0625)**

290100 Introduction to Computer Networking This course will help students learn and develop a solid understanding of how networks function, the fundamental networking principles, and why we use networks to communicate with each other. Students will obtain hands-on experience for creating, maintaining, and troubleshooting networks. Students will also learn the guidelines for using the Internet, acceptable use policies, and copyright issues. This course will help students develop skills needed to begin a career path in networking and information technology and also provide students with a general knowledge about computer hardware, software, networking, languages, and the impact on the modern world. 1 Credit (Grade 11 or 12) **(0630)**

290100 Programming/Visual Basic This course is an introduction to logic and basic programming structures using Visual Basic (VB). Students will learn the process of writing, testing, and maintaining source code. They will be introduced to the concepts of event driven programming in a windows environment to create computer applications, data management systems, menu driven applications, and nested animations. Students must successfully complete 1 semester of Computer Science prior to enrolling in this course. 1 Credit (Grade 10, 11 or 12) **(0632)**

290160 Web Page Design 1 This course provides students with knowledge of the basics of web page development using text-based or visual editors, current Hyper Text Markup Language (HTML) format, Java Script, e-Commerce, and web site management. Students will produce web pages from scratch as they work toward the development of a major project. Related coverage of digital imagery, graphics development, and site management will be provided to afford students a full background in web page development. The emphasis will be on writing logically structured, well-documented web sites. In-class daily work and completed projects are the critical components of student evaluation. 0.5 Credit (Grade 10, 11, or 12) **(0635)**

290160 Web Page Design 2 This course provides students with knowledge of the basics of web page development using text-based or visual editors, current Hyper Text Markup Language (HTML) format, Java Script, e-Commerce, and web site management. Students will produce web pages from scratch as they work toward the development of a major project. Related coverage of digital imagery, graphics development, and site management will be provided to afford students a full background in web page development. The emphasis will be on writing logically structured, well-documented web sites. Successful completion of Web Page Design 1 is required to take this course. 0.5 Credit (Grade 10, 11, or 12) **(0637)**

(290250) AP Computer Science Principles 5.0 Scale AP Computer Science Principles introduces students to the breadth of the field of computer science. Students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs and will incorporate abstraction into programs and use data to discover new knowledge. Students will explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. This course requires a prerequisite that students have successfully completed a first-year high school algebra course. (Grades 9, 10, 11, or 12) **(9632)**

INSTRUMENTAL MUSIC

120500 Marching Band The high school Marching Band is a performance class comprised of members of Concert Bands 1, 2, and Symphonic Band. Although this organization performs primarily during the football season, there are other functions such as parades and band nights throughout the summer and school year. This organization has mandatory practices for 6-8 weeks in the summer. Students and families must schedule vacation, summer school, sport camps, and work around the band schedule. Once school begins, all the students rehearse prior to the start of the general instructional day. **All performances are mandatory and a part of the final grade.** All band students must perform in marching band unless they are cheerleaders or football players. Transportation is provided to all rehearsals. Students should have good attendance and be in good academic standing. 0.5 Credit (Grade 9, 10, 11, or 12) **(0510)**

120500 Concert Band 2 Concert Band 2 is performing in nature, which includes daily rehearsal, individual practice and studying of an instrument, as well as concerts and contests. All members must be in marching band unless they are football players or cheerleaders. All performances are mandatory and a part of the final course grade. Students should have good attendance and be in good academic standing. Instructor permission is required. 1 Credit (Grade 9) **(0501)**

120500 Concert Band 1 Concert Band 1 is performing in nature, which includes daily rehearsal, individual practice and studying of an instrument, as well as concerts and contests. All members must be in marching band unless they are football players or cheerleaders. All performances are mandatory and a part of the final course grade. Students should have good attendance and be in good academic standing. Concert Band II and instructor permission with audition are required. 1 Credit (Grade 10, 11, or 12) **(0503)**

120500 Symphonic Band Symphonic Band is the premier instrumental concert band. This band performs in concerts, clinics, and contests throughout the state and the nation. The instrumentation is set and enrolls the most proficient instrumentalists. This class includes daily rehearsal, individual practice and studying of an instrument, as well as concerts and contest. All members must be in marching band unless they are football players or cheerleaders. All performances are mandatory and a part of the final course grade. Students should have good attendance and be in good academic standing. Concert Band I or II and instructor permission with audition are required. 1 Credit (Grade 10, 11, or 12) **(0505)**



120500 Jazz Ensemble Jazz Ensemble is a select group of musicians who study and perform the various forms of big band and jazz literature. Emphasis is placed on playing professional arrangements and improvisation is encouraged. There are many performances a year including some basketball games, band concerts and jazz festivals. This class includes daily rehearsal and individual study and practice. All performances and rehearsals are mandatory and a part of the final grade. Students must also be enrolled in a concert band to be eligible for this ensemble. Students should have good attendance and be in good academic standing. Instructor permission with audition is required. 1 Credit (Grade 11 or 12) **(0507)**

120500 Beginning Piano This course is designed for those students who wish to learn basic piano playing skills. Students must have good attendance and be in good academic standing. 0.5 Credit (Grade 9, 10, 11, or 12) **(0540)**

120500 Intermediate Piano This course is designed for those students who wish to build upon the piano playing skills learned in the Beginning Piano course. Students must have good attendance and be in good academic standing. 0.5 Credit (Grades 11 or 12) **(0541)**

VOCAL MUSIC COURSES

120400 Concert Choir This is a choir which prepares vocal students for the A Cappella Choir. Much time will be devoted to technical development of choral singing and basic music training. Private voice instruction will be encouraged. All performances are mandatory and a part of the course grade. 1 Credit (Grade 9 or 10) **(0524)**

120400 A Cappella Choir A formal audition by high school vocal instructor is required for this advanced large ensemble. This group is for serious and talented singers. A Cappella choir performs advanced choral literature from all periods, styles, and languages. All performances are mandatory and part of the final grade. 1 Credit (Grade 10, 11, or 12) **(0526)**

120400 Madrigal Singers Entrance is by audition only. Auditions will consist of a vocal solo and an interview. A grade point average of 2.0 is required for membership and must be maintained throughout the course. This vocal ensemble is designed for the most serious and talented singers in their junior and senior years. Advanced choral literature representing all styles and periods of music will be performed. Performances include concerts, festivals, and solo & ensemble contest. Attending all concerts is mandatory and is a major portion of the final grade. 1 Credit (Grade 11 or 12) **(0528)**

NON-PERFORMANCE MUSIC COURSES

129999 Music Production Students will discover and explore introductory concepts used in music sequencing through various project-based assignments. No prior musical experience is needed, however, having training on an instrument or voice is helpful. Students will create music using Soundtrap, a cloud based digital audio workstation. Students interested in music creation and production should consider taking this course. 0.5 Credit (Grade 9, 10, 11, or 12) **(0545)**

120800 Music Exploration Music exploration is an introduction to music of the 20th and 21st Centuries. Students will study the elements of music and use those elements to study how and why composers create different styles and forms of music. The class involves listening to music, researching, and studying the music and writing of different artists. Students should be comfortable expressing ideas through essays and should enjoy participating in creative projects. 0.5 Credit (Grade 9, 10, 11, or 12) **(0543)**

120300 Music Theory 1 This course is an introductory music class for anyone interested in the mechanics of music, including reading and writing music in all clefs, rhythms, harmony, vocabulary, meter and score reading. Students will gain experience in reading, writing, and identifying scales, intervals, and chords. Students should have music performing experience and will be enrolled with instructor permission only. 0.5 Credit (Grade 11, or 12) **(0546)**

120300 AP Music Theory 5.0 Scale This is an introductory college music theory coursework that covers Advanced Placement designated topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized. 1 Credit (Grade 11 or 12) **(9565)**



FINE ARTS

020012 Art 1 This course covers the fundamentals of the visual arts. Interest in the arts and an eagerness to try are the only requirements for taking this course. Students are introduced to a wide variety of disciplines and materials with an emphasis on dry media to focus on black & white, graphic design, value, and contrast. Criticism, production, and the vocabulary of the visual arts are included in this curriculum sequence. This course is coequal with Art 2 which together serve as prerequisites for all higher level Art courses. 0.5 Credit (Grade 9, 10, 11, or 12) **(0550)**

020012 Art 2 This course covers the fundamentals of the visual arts. Interest in the arts and an eagerness to try are the only requirements for taking this course. Students are introduced to a wide variety of disciplines and materials with an emphasis on wet media to focus on color, tone, tint, hue, non-traditional materials, composition, and surface quality. Introduction to art history, criticism, production, and the vocabulary of the visual arts is included in this sequence. This course is coequal with Art 1, which together serve as prerequisites for all higher level Art courses. 0.5 Credit (Grade 9, 10, 11, or 12) **(0551)**

020242 Ceramics 1 This course allows students to explore the art of working in clay. Students will hand build pottery using the coil and slab construction methods along with the potter's wheel. Uses of clay through history and across cultures will be explored. This course is for students who have developed an interest in three-dimensional design. Students will learn how to use a kiln and apply glazes. Students must successfully complete Art I and Art II or be granted permission to enroll in this course. 0.5 Credit (Grade 11 or 12) **(0560)**

020242 Ceramics 2 This course is an extension of Ceramics 1, which allows students to expand the art of working in clay. Students will hand build sculptures using the coil and slab construction methods. Students will also utilize the potter's wheel. Uses of clay through history and across cultures will be explored. This course is for students who have developed an interest in three-dimensional design. Students will learn how to use a kiln and apply glazes. Students must successfully complete Ceramics 1 to enroll in this course. 0.5 Credit (Grade 11, or 12) **(0561)**

020250 Drawing & Painting This course is for the student who has maintained a high level of achievement in the Art 1 and 2 courses. Technical skill and knowledge in the field of art are developed to a higher level. Students will explore a greater diversity of media. Students must successfully complete Art 1 and Art 2 with grade of an A or B to enroll in this course. 0.5 Credit (Grade 10 with recommendation, 11 or 12) **(0563)**

020270 Digital Photography This course serves as an introduction to the various disciplines of modern photography. The course offers an opportunity to learn and to manipulate the hard skills of modern technologies linked with conceptual skills required to create sound artistic composition. The students will concentrate on the tools of the trade, the anatomy of the camera and proper settings for use, through the survey of Adobe Photoshop CS3 for editing and artistic manipulation. The course will concentrate on the different genres of photography such as portraiture, landscape, urban, commercial, and abstract. Visual composition will be the ongoing theme of the course using the hard skills acquired to achieve an artistic goal. The outcome of the course will be the organization and assimilation of a ten-piece portfolio. Out of class commitment is necessary by the student to complete course requirements. 0.5 Credit (Grade 10, 11, or 12) **(0564)**

020320 Computer Graphics and Animation In this course students will explore aspects of 3D computer graphic design software that is employed by professionals in the field. Students will examine 3D modeling as it applies to such diverse fields as industrial design, the creation of video games, and special effects used by the entertainment industry. Students will learn to create 3D models and use these models to develop a variety of presentations. In the final course project, students will create fully rendered 3D computer animation. Students taking this course should have a working knowledge of personal computers. Previous computer graphics or design experience is helpful, but not required. 1 Credit (Grade 9, 10, 11, or 12) **(0555)**

020320 Computer Graphics and Animation 2 Students who have successfully completed Computer Graphics and Animation will take the skills and concepts learned to the next level. While developing expertise in model creation and scene design, students will use lighting, camera posting, custom materials and texturing, and sound to produce full, rich computer animations. The aspects of video game design will be explored further through the creation and animation of character models and the development of story lines. Students must successfully complete Computer Graphics and Animation. 1 Credit (Grade 10, 11, or 12) **(0557)**

029902 Senior Studio 1 Senior Studio is presented to give students more freedom in their choice of artistic study. Advanced and independent work will be encouraged. Possibilities in art careers will be discussed and explored. Students enrolled in this class learn how to develop a portfolio for submission to college. 0.5 Credit (Grade 12) **(0570)**

029902 Senior Studio 2 Senior Studio is presented to give students more freedom in their choice of artistic study. Advanced and independent work will be encouraged. Possibilities in art careers will be discussed and explored. Students enrolled in this class learn how to develop a portfolio for submission to college. 0.5 Credit (Grade 12) **(0571)**

PHYSICAL EDUCATION & HEALTH

080300 Physical Education 1 Physical Education 1 is an introductory activity class. The course introduces students to a variety of team and individual activities. This includes teaching and practicing specific sport skills, learning the rules for games, and measuring fitness levels. The activities taught include but are not limited to: volleyball, badminton, basketball, table tennis, table soccer, shuffleboard, swimming, and weight training. If the weather permits softball and track and field can be included. The swim unit, taught by American Red Cross Certified Water Safety Instructors, includes Learn-to-swim programs for every level of swimmer. 0.25 Credit (Grade 10) **(0820)**

080300 Physical Education 2 Physical Education II is designed to continue improving the skills learned in Physical Education I and to add new individual skills. Activities included in Physical Education II include those learned in Physical Education 1 plus Archery, Bocce, Frisbee, and Tennis (weather permitting). Sportsmanship in competition is emphasized during many of the round robin tournaments that enable the students to utilize the specific sport skills that are taught. 0.25 Credit (Grade 10) **(0821)**

260101 Health This course of study deals with the structure and functions of the human body. Students will acquire accurate health information and healthful attitudes and behavior patterns. Students will be encouraged to discover other reliable sources of information that they can consult now and in the future. Students will learn the skills necessary to weigh options to make responsible choices and to develop behaviors that promote healthy lifestyles. This course is a requirement for high school graduation. **Students have the opportunity to earn a 1-pt Industry recognized Credential.** 0.5 Credit (Grade 9, 10) **(0810)**

PHYSICAL EDUCATION ELECTIVE COURSES

These elective courses do not qualify as one of the physical education requirements for graduation.

080999 Strength and Conditioning A & B These two courses utilize activities to improve individual physical fitness. An individualized or group program will be performed daily. These activities will include the four components of fitness and nutrition — sport-related and individualized weight training, team sports, physical fitness, and different aerobic movements. Preference will be given to student-athletes and students with plans to enlist in the armed forces following high school. 0.5 Credit (Grade 11 or 12) **(0830 Male SEM 1) (0831 Male SEM 2) (0832 Female SEM 1) (0833 Male SEM 2)**

080999 Life Guarding This course will follow the Red Cross curriculum for lifesaving. Lifesaving and water safety prepares students to pursue water sports, recreation, or work as a lifeguard. Students must be proficient deep water swimmers. Students have the opportunity to earn a 1-pt Industry recognized Credential. 0.5 Credit (Grade 11 or 12) **(0838)**

OTHER ELECTIVE COURSES

159999 Freshman Advisory This course is designed to help students with study, organizational and self-management skills. Students will gain practical experience and develop skills necessary to be successful in high school. 1 Credit (Grade 9) **(2100) Students have the opportunity to earn the Student Leadership Excellence 3 point Industry Credential.**

159999 Student Advisory This course is designed to help students with study, organizational and self-management skills. Students identified with an IEP will be enrolled in this course to provide academic support in connection to the students' IEP goals. 1 Credit (Grade 9, 10, 11, 12) **(3010-I/3020-I/3030-I)**

199000 Senior Elevation Experience & Engagement This course is designed for seniors transitioning from high school to postsecondary activities. Students will learn about available agency services, vocational and training options, and college entrance procedures. Students will have the opportunity to earn a 12-pt Industry Recognized Credential. **(3040-I) (9059 Industry Credential) (9060 College Bound) (Undecided) 1 Credit (Grade 12)**

159999 Raider Day This course is designed for students to establish career pathways, build upon their social emotional skills, receive enrichment and intervention in English and Math. 0.25 Credit (Grade 9,10,11) **(2027) (2026) (2025)**

252525 Career Based Intervention Career Based Intervention program is a Career-Technical Education Program designed for students who have barriers to achieving academic and career success. The program is designed to help students improve academic competence, graduate from high school, develop employability skills, implement a career plan, and participate in a career pathway in preparation for postsecondary education and/or careers. The program is a combination of educational and work-based learning experiences. 3 Credits (Grade 11) **(0380/0382/0384)**

252525 Career Based Intervention Career Based Intervention program is a Career-Technical Education Program designed for students who have barriers to achieving academic and career success. The program is designed to help students improve academic competence, graduate from high school, develop employability skills, implement a career plan and participate in a career pathway in preparation for postsecondary education and/or careers. The program is a combination of educational and work-based learning experiences. 4 Credits (Grade 12) **(0390/0392/0394)**

196980 Life Skills This course is designed to familiarize students with skills needed for successful daily living. Students will become knowledgeable of the resources available to assist them with individual needs. Permission is required to enroll. 1 Credit (Grade 9, 10, 11, or 12) **(1670)**

199000 Employability Skills 9, 10, 11, 12 These courses are designed for students to gain the necessary skills for future employment. The skills to be emphasized are self-help, general work habits, task-related skills, quality and quantity of work, interpersonal relationships, and work attitudes. Courses are adapted to individual needs as the student progresses from freshman to senior year. Permission is required to enroll. 1 Credit (Grade 9, 10, 11, and 12) **(1680)**

199000 Work Study 9, 10, 11, 12 These courses are designed to allow students to earn credit for seeking and performing jobs in the school, community or agency setting. The students are provided an opportunity to practice and apply employability skills while gaining practical, on the job training. Courses are adapted to individual needs as the student progresses from freshman to senior year. Permission is required to enroll. 1 Credit (Grade 9, 10, 11, and 12) **(1685,1686)**