

# Norwalk High School

## Program of Studies ... 2022-2023



Norwalk High School  
350 Shady Lane Dr.  
Norwalk, OH 44857

Office Phone:	(419) 660-6500
Principal:	Mr. Patrick Kania
Asst. Principal:	Mr. Nick Kish

Counselor (A-L):	Mr. Todd Fox (419) 660-6506
Counselor (M-Z):	Mrs. Michelle Sandor (419) 660-6509
Student Success Counselor	Ms. Sandi Stewart (419) 660-6508

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## INTRODUCTION

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The Program of Studies is provided as a tool for students and parents to assist them in planning a course of study that best meets each student's needs. This document contains a description of all courses offered at Norwalk High School. It also provides answers for many of the common questions students and families have regarding scheduling.

Some important concerns for students and their families to consider when designing a course of study include:

- Does the course of study meet all local and state requirements to advance to the next grade level and to prepare for graduation?
- Is the course of study challenging enough to prepare the student for his/her individual goals?
- Will a college entrance board look favorably upon this course of study?
- Will the student have adequate credits to participate on an athletic team?
- Will the student be prepared to obtain gainful employment?

Norwalk High School uses registration information to determine course offerings, teacher assignments, and the master schedule.

## REGISTRATION INSTRUCTIONS

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Each student will meet individually with his/her school counselor to select the courses necessary to meet the student's educational goals. During registration, the following guidelines will be observed:

- Each student is required to register for a minimum of six courses each semester.
- Prerequisites will be strictly followed.
- Each student will be required to choose at least two alternate electives. The student may be scheduled for these alternate courses if conflicts exist that prevent enrollment in his/her first-choice selections.
- Parent/guardian signatures are required on all registration forms.

## CLASS FEES

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All class fees will be assessed to each student per the adopted Norwalk City School Board of Education fee schedule.

## SCHEDULE CHANGES

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Students are urged to take the course registration process very seriously. A student's schedule will be created based on the courses chosen during the registration process. **Schedule changes will only be made due to scheduling conflicts and errors.**

A student withdrawing from a course after the first interim report has been issued will receive the grade of "WF" (Withdraw-Fail) and will receive no credit for the course. Exceptions to this must have the building principal's approval.

## GRADUATION REQUIREMENTS

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To graduate from Norwalk High School, a student must meet all requirements established by both the Norwalk Board of Education and the State of Ohio Department of Education.

Graduation requirements consist of three key components:

1. Course completion
2. Competency demonstration
3. Readiness Demonstration

### Course Completion

English.....	4 credits
Mathematics.....	4 credits (must include one credit of Algebra II or equivalent)
Science.....	3 credits (must include one credit each of a physical and life science)
Social Studies.....	4 credits (3 for EHOVE students)
Physical Education* .....	½ credit
Health .....	½ credit
Fine Arts.....	1 credit
Electives**.....	5 credits
	<b>22 total credits</b>

\* Students that meet the Physical Education graduation requirement through a PE Waiver must complete 5 ½ elective credits to earn the minimum 22 credits required for graduation.

\*\* Elective units must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, English language arts, math, science, or social studies that are otherwise not required.

Social Studies requirement must include:

- World History or Honors World History
- American History or AP U.S. History
- U.S. Government or AP American Government
- Senior Social Studies or AP Microeconomics

### Competency Demonstration

Students will demonstrate competency in the foundational areas of English language arts and mathematics or through alternative demonstrations.

### Readiness Demonstration

Students will demonstrate readiness for their post-high school paths by earning two seals, with at least one of the seals being a state-designed seal.

Ohio Designed Seals – military enlistment, industry-recognized credentials, citizenship, Ohio Means Jobs Readiness, Biliteracy, college-readiness, science, honors diploma

Local Designed Seals – community service, student engagement, fine and performing arts

For additional information, please visit the following website:

<https://www.norwalktruckers.net/GraduationRequirements.aspx>

## COLLEGE BOUND STUDENTS

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Many state assisted Ohio colleges have instituted new entrance requirements for student acceptance. A student meeting these new requirements will have a significantly better chance of being accepted to the college of his or her choice without having to make up deficiencies in his or her preparation. While some of the requirements may vary from college to college, we urge students planning to enter college after high school to successfully complete at least the following requirements:

English .....	4 credits
Mathematics .....	4 credits
Science .....	4 credits
Social Studies .....	4 credits
Foreign Language .....	2 credits (three credits highly recommended)
Fine Arts .....	1 credit

## DIPLOMA WITH HONORS

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Students may earn a Diploma with Honors by meeting all but one of the following criteria:

- Earn four units of mathematics including at least Algebra I, Algebra II, Geometry, and another higher-level course
- Earn four units of science including two advanced sciences
- Earn four units of social studies
- Earn three units of one foreign language, including at least two units in each language studied
- Earn one unit of fine arts
- Maintain an overall high school grade point average of at least 3.5 on an unweighted, four-point scale through seven semesters
- Obtain a composite score of 27 on the ACT or 1280 on the SAT

Students may earn a Career-Technical Diploma with Honors by meeting all but one of the following criteria:

- Earn four units of mathematics
- Earn four units of science including two advanced sciences
- Earn four units of social studies
- Earn two units of one world language
- Earn four units of Career-Technical elective
- Maintain an overall high school grade point average of at least 3.5 on an unweighted, four-point scale through seven semesters
- Obtain a composite score of 27 on the ACT, 1280 on the SAT, or 6 or higher on WorkKeys – Reading for Information AND Applied Mathematics
- Complete a field experience specific to the student’s area of focus
- Develop a comprehensive portfolio of work based on the student’s field experience
- Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent

## GENERAL PROMOTION POLICY

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Promotion from year to year is based upon the number of credits earned and not upon the number of years spent in school. The following is policy at Norwalk High School:

<u>Class Status</u>	<u>Credits Needed:</u>
To become a sophomore	5
To become a junior	10
To become a senior	15
To graduate	22

## ATHLETIC ELIGIBILITY

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The Academic Eligibility Requirements established by the Ohio High School Athletic Association and the Norwalk Board of Education are required of all athletes to maintain their eligibility.

- Pass at least five credits (not including physical education courses) during the grading period prior to his/her participation with at least a 1.5 grade point average.
- Any participant receiving two or more failing grades on the weekly eligibility list is automatically ineligible Monday through Sunday of the following week.

## GRADING SCALE

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A+	100-97%	4.0
A	96.00-93%	4.0
A-	92.99-90%	4.0
B+	89.99-87%	3.0
B	86.99-83%	3.0
B-	82.99-80%	3.0
C+	79.99-77%	2.0
C	76.99-73%	2.0
C-	72.99-70%	2.0
D+	69.99-67%	1.0
D	66.99-63%	1.0
D-	62.99-60%	1.0
F	59.99-0	0.0

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## COLLEGE CREDIT PLUS

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Students of the Norwalk City School District (Grades 7-12) will have the option of taking college courses for both high school and college credit. The cost of courses at public colleges will be paid for through the Norwalk City Schools' state foundation money. Parents/Students may be responsible for the cost of courses taken at private colleges.

**Pre-approval of course selections by an administrator is required to be sure that graduation requirements are met.**

Norwalk High School students will have the opportunity to enroll in the College Credit Plus program as long as they meet the requirements set forth by the participating colleges as well as the requirements set forth to comply with Norwalk High School's graduation requirements. No student may participate in the program without the written consent of parents and participation in counseling services offered in relation to this educational program. Parents must be notified no later than March 1st about this program. Parents, in turn, must notify the school no later than March 30th if they intend to have their child participate in this program.

### Possible 15 credit hour pathway

WRIT 1110 (3) – BGSU\*  
WRIT 1120 (3) – BGSU\*  
PHYS 2010 (5) – BGSU\*  
MATH 1110 (4) – North Central\*

### Possible 30 credit hour pathway

MUCT 1010 (3) – BGSU\*  
WRIT 1110 (3) – BGSU\*  
WRIT 1120 (3) – BGSU\*  
PHYS 2010 (5) – BGSU\*  
MATH 1110 (4) – North Central\*  
MATH 1130 (4) – North Central\*  
MATH 1150 (5) – North Central\*  
STAT 1010 (3) – North Central\*

\*Course taught at Norwalk High School by NHS faculty

## ADVANCED PLACEMENT PROGRAM

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The Advanced Placement Program is a cooperative educational endeavor to give students the opportunity to take college level studies while still enrolled in high school. Students enrolled in courses designated as Advanced Placement (AP) will be expected to do college level work as well as take the Advanced Placement examination in May. (The fee for this examination is currently \$94.00). Colleges have the option to award college credits to the students based upon their performance on the May examination.

Each of the designated Advanced Placement courses has prerequisites that must be met in order for the student to enroll in the course.

## ADD-ON FACTOR

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Grades in the following courses are figured on a four (4) point scale with an add-on factor of 0.0125 per semester because of course difficulty:

English I – Honors	Geometry – Honors
English II - Honors	Algebra II – Honors
English III – Honors	AP Calculus BC
AP English Lit & Comp	
	Spanish IV
World History - Honors	Spanish V
AP U.S. History	French IV
AP American Government	French V
AP Microeconomics	
	CCP courses offered
Physics	in English, Math,
AP Biology	Science, Social
AP Chemistry	Studies, World
	Languages and
AP Computer Science A	Computer Science

## GUIDELINES FOR EARLY GRADUATION

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It is sometimes desirable for a student to complete his/her high school education in less than the conventional four years. Graduation in three years is not encouraged and is viewed as the exception to the rule, granted only in very unusual circumstances. A student who wishes to graduate in three years needs to be aware of the following guidelines:

1. The student's parent or guardian must request permission for the student to graduate early (that is, at the end of the third year of high school) by April 1st of the year before graduation. This request should take the form of a letter to the high school principal and should include the reasons that early graduation is desired.
2. After the high school principal has approved this request, the student and his/her family will consult with school officials concerning the scheduling of classes that will meet all graduation requirements.
3. All graduation requirements must be met.
4. Early graduates relinquish all rights and privileges to academic honors, local scholarships, and awards.

# BUSINESS

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## **Accounting**

½ credit

Grade: 9, 10, 11, 12

Students will learn how to plan, record, analyze, and interpret financial information using basic accounting principles. Students will be able to define and journalize assets, liabilities, and owner's equity and prepare basic financial statements. Students will learn to account for a sole proprietorship and a partnership using double-entry accounting.

## **Finance**

½ credit

Grade: 9, 10, 11, 12

Students will be guided through the process of developing a sound financial plan – from how to set goals and manage risks to how to earn, spend, save, invest, and give. Students will be challenged to employ strategies in various financial situations, such as weighing wants versus needs, identifying income and expenses, and planning for the unexpected. Students will be successful financial managers of their own lives, and it all starts by crafting an organized and complete plan. Topics include how to plan, earn, manage, save and spend, invest, and protect one's finances.

## **Intro to Business**

½ credit

Grade: 9, 10, 11, 12

Students will be led to an understanding of what a business is, how it operates, and why it is important to society. Students will learn how a business is organized and develop an understanding of basic economics and the effects companies have on local, national, and global economic environments. Topics include business and economics, leadership and management, marketing and selling, business financial management, personal financial management, and careers and employment.

## **Marketing**

½ credit

Grade: 9, 10, 11, 12

Students will be introduced to foundational marketing and business skills relevant to today's global economy. From performing a marketing analysis to understanding ongoing technology developments, students will analyze real-world campaigns and develop the tools necessary to maintain effective marketing operations in an evolving technological world. Students will be guided in developing elements of a marketing plan that builds to a cumulative portfolio project reflecting actionable, real-world processes.

### **Business Media Applications**

½ credit

Grade: 9,10,11,12

Students will be guided through the process of professional communication with an emphasis on digital business applications as they prepare professional documents and presentations. Students will be introduced to the basics of Google's productivity apps: Gmail, Docs, Sheets, Slides, Forms, Drawings, and Sites. Students will use application skills and tools to complete hands-on lessons that instantly engage them in today's interactive, visual world. Employing appropriate technology in varying communication contexts will assist students in communicating clear, concise messages with an established audience and purpose. Topics will include video production, photo editing, and web design.

### **Business Ownership**

½ credit

Grade: 10, 11, 12

Prerequisites: Completion of at least two other business courses

Students will be led to an understanding of how to start, operate, and maintain a business, as well as why an entrepreneurial mindset is important to society. Students will learn how an entrepreneur structures a start-up, from sourcing funding to bringing a new product to market, and students will gain an understanding of the broader business environment. Students will be challenged to think like an entrepreneur as they consider financial, marketing, and structural components of a start-up to compile a business plan for an entrepreneurial venture. Topics include preparing, planning, leading, managing, marketing, and growing a start-up business venture.

# ENGINEERING/TECHNOLOGY

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## **Introduction to Engineering Design**

½ credit per semester

Grade 9, 10, 11, 12

Prerequisite: Algebra I or currently enrolled in Algebra I

Introduction to Engineering Design teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design and software.

## **Digital Electronics**

½ credit per semester

Grade 9, 10, 11, 12

Prerequisite: Geometry or currently enrolled in Geometry

Digital Electronics is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

## **Computer Integrated Manufacturing**

½ credit per semester

Grade 10, 11, 12

Prerequisite: Introduction to Engineering Design or Digital Electronics

Computer Integrated Manufacturing is a course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts and robotics used in automated manufacturing, and design analysis are included.

## **Engineering Design and Development**

½ credit per semester

Grade 12

Prerequisite: Computer Integrated Manufacturing

Engineering design and development is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. Students must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.

## **Makerspace**

½ credit

Grade: 9, 10, 11, 12

Makerspace focuses on developing and fostering a creative community of hands-on individuals and providing the tools they need to succeed in multiple problem-solving areas. Makerspace has equipment for Rapid Prototyping – 3D printing, laser cutting and engraving, electronics, programming, and more. NHS's Makerspace will provide hands-on, creative ways to encourage students to design, experiment, build and invent as they deeply engage in science, technology, engineering, and mathematics.



## **Robotics I**

½ credit

Grade: 9, 10, 11, 12

This course focuses on mechanical concepts such as structural design, weight distribution, drivetrains, fastening, the relationship between speed and torque, and alternate methods of transferring motion such as linear slides and belts and pulleys. This curriculum familiarizes students with the foundational skills needed to understand how components come together and use different cases for creating motion. Mechanical Foundations uses the VEX V5 hardware and Vexcode blocks-based programming software.

## **Robotics II**

½ credit

Grade: 9, 10, 11, 12

Prerequisite: Successful completion of Robotics I

This course provides a structured sequence of programming activities in real-world project-based contexts. The projects are designed to get students thinking about the patterns and structure of not just robotics, but also programming and problem solving more generally. Computational Thinking using the VEX V5 hardware and VEXcode Pro programming software.

## **Advanced Robotics**

½ credit

Grade: 10, 11, 12

Prerequisite: Successful completion of Robotics I & II or 2 years of Robotics Club participation

Students will be presented with an engineering challenge; they will need to build a robot to play the VEX Robotics Competition game. Students will document the design of their robot while being presented with relevant STEM and Robotics principles. Students are required to compete in the VEX Robotics Competition Team.

## **Industrial Education I**

½ credit

Grade: 9, 10, 11, 12

Industrial Education I focuses on the basic processes in woodworking using hand and small power tools. The basic processes of woodworking include, but are not be limited to, planning, design, measuring, assembling and finishing of projects. Students may also complete design-build projects not associated with wood.

## **Industrial Education II**

½ credit

Grade 9, 10, 11, 12

Prerequisite: A "C" or higher in IE I and/or permission of the instructor

Industrial Education II focuses on the identification and safe use of woodworking machines and their use in project development. Students may also complete design-build projects not associated with wood.

## **Advanced Woodworking**

½ credit

Grade 10, 11, 12

Prerequisite: A "C" or higher in IE II and/or permission of the instructor

The class focuses on a continuation and emphasis of woodworking tools and machines in the area of furniture construction. Students may also complete design-build projects not associated with wood. This class may be repeated for credit.

# ENGLISH LANGUAGE ARTS

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## **English I**

½ credit per semester

Grade: 9

In this course students read and respond to a variety of literature including short stories, novels, poetry, drama, and nonfiction articles and selections. Writing instruction will focus on expository, multi-paragraph essays responding to a prompt with appropriate tone and word choice. Students will complete research assignments of various lengths over a variety of topics in order to synthesize and analyze material. Students use MLA citation to document sources and provide evidence from the text in their work. Text annotation and media skills are used throughout the course.

## **English I - Honors**

½ credit per semester

Grade: 9

Prerequisite: 8<sup>th</sup> Grade English grade, teacher recommendation, NHS staff created English test and essay scored by high school teachers

This course is recommended for college-bound students with a love of literature and a desire to succeed. It is the first in a series of courses designed to foster literary analysis and critical and creative thinking skills. The writing emphasis will be on multi-paragraph expository essays. Students will complete research assignments, annotate poems, and respond and reflect on literary selections from a variety of genres. Students will use MLA citation to document sources and provide evidence from the text in their work. Text annotation and media skills are used throughout the course.

## **English II**

½ credit per semester

Grade: 10

Prerequisite: Successful completion of English I

The content of this course will include a wide variety of fiction and nonfiction from around the world. For both semesters, students will also prepare for the Ohio State Tests and will write all types of essays (persuasive, descriptive, expository). Students will also participate in a variety of public speaking activities. The first semester will focus on short stories and basic literary terms. During the second semester, students will complete a project requiring both a research paper and oral presentation. Emphasis for second semester will be over novels, poetry, drama, and application of literary terms. Grammar and vocabulary development will be stressed throughout the year.

## **English II - Honors**

½ credit per semester

Grade: 10

Prerequisite: Successful completion of English I - Honors or permission of the instructor

This course is a continuation of Honors English I. Students will explore a variety of genres from authors around the world. Students will be expected to do independent research and analysis of readings, as well as write a variety of essays demonstrating their ability to organize thoughts and think critically.

## **English III**

½ credit per semester

Grade: 11

Prerequisite: Successful completion of English II

With a solid foundation in multi-paragraph writing, reading fiction and nonfiction, students will continue to increase their confidence and skill level in writing, reading, and communication. This course will focus on reading a wide variety of American novels, short stories, and drama, as well as informational and nonfiction texts in the form of current news articles. There will be an emphasis on a review of grammar, critical reading and writing skills. Students will also complete an extensive research assignment. This course will cover Ohio's Learning Standards in English Language Arts, while also focusing on ACT prep.

### **English III - Honors**

½ credit per semester

Grade: 11

Prerequisite: Successful completion of English II - Honors or permission of the instructor

Motivated students considering college, or students who are desiring to sharpen their essay skills and looking for a more in-depth study of novels, poetry, and drama should consider the Honors course! Ultimately designed to prepare juniors for the rigors of AP, this honors course can elevate the skills of anyone who is up for the challenge. With a concentration in American literature, students in this course will be expected to complete various reading assignments from different genres and time periods. We look at novels through a critical eye and sharpen our essay-writing skills. Students will also complete a research project designed to model the type of essays written at the college level.

### **Advanced Placement English Literature & Composition**

½ credit per semester

Grade: 12

Prerequisite: Minimum of three English credits and the permission of the instructor to enroll

Advanced Placement Literature and Composition is for any student a) interested in getting college credit (with a successful score on the AP exam in May), b) wanting a challenge c) who loves to study literature from classic to contemporary. This course focuses on novels, dramas, and plays from a wide variety of time periods and styles. Additional time is spent sharpening analytical and writing skills. Furthermore, we have several workshops in which we go over practice tests so that students are confident and prepared when they face the AP exam in the spring.

### **The Modern Novel**

½ credit

Grade: 11, 12

This one-semester course is designed to take a closer look at modern literature through the 21<sup>st</sup> century. Through analysis and interpretation of modern literature, students will develop their critical reading and writing skills. The chosen literature and instructional practices will incorporate the integration of diversity awareness, including appreciation of all cultures. The interaction with various novels will allow students to engage in lessons about ideals about basic human experiences. The appropriate use of technology will also be incorporated into this course.

### **Creative Writing**

½ credit

Grade: 11, 12

Creative Writing is designed for students to create original forms of descriptive writing, poetry, drama and fiction. This is a writing workshop class where students will be expected to seek and explore their own personal writing voices through daily practice and peer response. Vocabulary development, creative writing techniques, and skills are explored. Writing skills will be developed through pre-writing, editing, re-writing, and critiquing. Computers and word processing are used for composition. Writings are presented orally and in written form.

### **Media Literacy**

½ credit

Grade: 11, 12

Media Literacy is an exploration of the ever-expanding world of media and its impact on both society as a whole and the individual. This course will strengthen your critical thinking skills by examining various forms of media to learn how to correctly interpret media messages, recognize the audience, and determine what response is expected. Units of study include: movies, film, and television; advertising and propaganda; how to use persuasive techniques while avoiding fallacies; identifying fake news; censorship and bias; the role of social media in our lives; and current issues as they relate to all forms of media.

### **Speech and Debate**

½ credit

Grade: 11, 12

This class is focused on the concepts of constructive, positive interpersonal communication on both individual and group levels. We will examine the criteria that make communication effective as well as the shortcomings and obstacles that we all experience on our quest to understand and be understood. There is a strong presentational element to the class as we put these concepts into practice with short, impromptu speeches as well as more involved presentations, including a debate unit during which you will learn the formal process of debate and how to research, organize, speak, listen, and rebut in a debate setting.

### **Crime in Literature**

½ credit

Grade: 11, 12

In recent years, there has been a growing fascination with studying crimes and the people who commit them. But, this is not a new fascination; authors have been writing stories about criminals and their crimes since the beginning of man. This class will encompass detective fiction, mysteries, suspense, and police procedurals. Together we will comb through classic and modern texts, analyze motives behind crimes, and utilize podcasts to address both past and current issues in the criminal justice system.

### **Literature in Film**

½ credit

Grade: 11, 12

Stories have entertained us, taught us, and brought us together for thousands of years. This class will examine some of the stories that have transcended time, genre, and media. Tales new and old that have been shared on written pages for generations are finding new fans and new interpretations as films. We will cover short stories, novels, graphic novels, and epic poems that have been popular on the page in the past and are now making names for themselves in the world of cinema. We will focus on literary and cinematic analysis, critique, comparison/contrast, themes, and lessons of meta-narrative throughout this course.

### **WRIT 1110 Seminar in Academic Writing**

1 credit (NHS) 3 credit hours (BGSU Firelands)

Grade: 9, 10, 11, 12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

This workshop-based course explores diverse intellectual practices associated with effective writing, including analyzing and producing genres, investigating individual writing processes, and reflecting on one's learning with an eye toward transferring writing knowledge to new situations. Students explore and experience how writing works in worlds they inhabit by composing digital, visual, and narrative expository arguments.

### **WRIT 1120 Seminar in Research Writing**

1 credit (NHS) 3 credit hours (BGSU Firelands)

Grade: 9, 10, 11, 12

Prerequisite: Successful completion of WRIT 1110

By engaging a range of writing tasks, both informal and formal, students pursue person- and library-based research writing that has meaning to them personally. Students also continue to build confidence as readers, writers, and critical thinkers, adding their voices to ongoing conversations. Using a workshop approach, students practice strategies for representing, through reflective writing, their research and composing processes to a range of audiences.

### **Basic English Language**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: OELPA score of Emerging or Progressing

This course is offered to emerging bilingual students as their English class, regardless of grade level. Emphasis is on building basic conversational English skills as well as reading and writing development necessary to succeed in other classes.

**\*\*\*The following course is offered as elective credit and does not count as English credit for graduation requirements\*\*\***

**Broadcast Media**

½ credit per semester (elective)

Grade: 10, 11, 12

Broadcast Media is a course designed to give students a full experience and understanding in production, direction, and delivering of content in the form of school announcements, a class news program, and class website. Students will learn how to operate recording and editing equipment, as well as learn and build on interview skills and writing skills appropriate for the course. Other components of the class will include creating and updating a class website, finding and reporting on both school and city-wide events, and actively participating in all course-related activities. This includes, but is not limited to, interviewing students and adults in the school and community, creating and delivering announcements and other content, listening to, reading and critiquing a variety of news media, culminating in developing and delivering a final project – podcast, news magazine, or news show. Students in this course should be willing to collaborate and/or work independently as dictated by the assignment.

# FAMILY AND CONSUMER SCIENCES

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## **Nutrition and Wellness**

½ credit

Grade: 9, 10, 11, 12

Like to eat, feel mentally balanced and be physically active? This is the course for you! Content will include food choices that promote wellness and information to help you understand how specific decisions affect your state of wellness throughout the various stages of life.

## **Independent Living**

½ credit

Grade: 9, 10, 11, 12

This course will help prepare you for the real world as you meet the demands of living on your own, college dorm or apartment living. Topics include financial responsibilities, meal preparation, laundry, comparison-shopping, clothing care and home maintenance.

## **Family Dynamics**

½ credit

Grade: 9, 10, 11, 12

Students will explore human development through the life span; building and maintaining healthy family relationships and stress management. The responsibilities and readiness for parenthood will be addressed while building positive parent-child relationships. Issues that impact the role of parenting in our society will be explored.

## **Foods**

½ credit

Grade: 10, 11, 12

If you love food, Foods is the class for you. You will learn about the amazing world of food and how it relates to you. This class provides the opportunity to learn about food origin, nutrition and, of course, preparation. Whether you are an expert in the kitchen or a true novice, you will learn skills in this class that will enrich your life.

# HEALTH AND PHYSICAL EDUCATION

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## ***Physical Education Graduation Requirement Waiver***

*A PE Waiver will allow students to meet the PE graduation requirement without taking PE courses during high school. To qualify for the waiver, a student must complete two seasons of a high school interscholastic sport, cheerleading, or marching band. Credit is not granted for a PE Waiver.*

## **Health**

½ credit

Grade: 10

A major goal of health education is to motivate students toward desirable attitudes for the maintenance of their own health and that of the family and community. This course is designed to acquaint the students with the various problems and alternatives associated with the following units: making healthy choices, sexually transmitted infections and AIDS, wellness, alcohol/tobacco/vaping, preventing drug abuse, human growth and development, mental health/mental health disorders, and suicide prevention.

## **Physical Education**

¼ credit

Grade: 9, 10, 11, 12

The program is designed to provide each student with an opportunity to develop skills and understanding in a variety of sports activities that will serve the student throughout life. The objectives are increased physical fitness movement. The course may offer the following activities: flag football, soccer, basketball, volleyball, gymnastics, track, softball, badminton, golf, and aerobic exercises, and other activities. Students have a required uniform that consists of a T-shirt, tennis shoes, socks and shorts/sweat pants.

## **Weightlifting** (Alternative to PE)

¼ credit

Grades: 9, 10, 11, 12

This class is designed to meet the needs of students who are interested in learning how the human body, from a functional standpoint, responds, adjusts, and adapts to exercise. This course will also provide each student with an opportunity to develop skills in various lifetime and leisure activities. The course objectives include strength and endurance improvement, an increase in motor skill performance, and the development of a desirable character that successfully adjusts in our society. The application of classroom material learned each week will be revisited in an ongoing strength and conditioning program held throughout the semester. Students have a required uniform that consists of a T-shirt, tennis shoes, socks, and shorts or sweat pants.

# MATHEMATICS

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## **Algebra I a/b**

½ credit per semester

Grade: 9

Algebra I a/b is a first course in modern algebra. The material in the course will cover the first two-thirds of Algebra I, which will allow the material to be presented at a more relaxed pace.

1<sup>st</sup> semester topics: real number system, solving equations, solving inequalities, and linear equations

2<sup>nd</sup> semester topics: linear functions, systems of equations, exponents, and exponential equations

## **Algebra I c/Algebra II a**

½ credit per semester

Grade: 10, 11

Prerequisite: Algebra I a/b

Algebra I c/Algebra II a covers topics in plane and solid geometry with emphasis on the application of geometric principles to a variety of problems.

1<sup>st</sup> semester topics: Exponents and Exponential Functions, Quadratic Expressions/Functions and Equations, Radical Functions and Geometry

2<sup>nd</sup> semester topics: Equations and Inequalities, Linear Relations and Functions, Systems of Equations

## **Algebra II b/c**

½ credit per semester

Grade: 11, 12

Prerequisite: Algebra I c/Algebra II a

Algebra II b/c is a third course in modern algebra. The material in the course will cover the last two-thirds of Algebra II. This course covers material at a pace that is suitable for those completing Algebra I c/Algebra II a.

1<sup>st</sup> semester topics: The Complex Number System, Seeing Structure in Expressions, Arithmetic with Polynomial and Rational Expressions, and Creating Equations

2<sup>nd</sup> semester topics: Trigonometric Functions, Interpreting Data, Justifying Conclusions, and Using Probability to Make Decisions

## **Algebra I**

½ credit per semester

Grade: 9, 10

Prerequisite: 8<sup>th</sup> grade Pre-Algebra

Algebra I is a course in modern algebra that is the first course in the sequence of high school math courses. Algebra I is the recommended course for any freshman student considering a four-year college.

1<sup>st</sup> semester topics: solving equations and inequalities, linear equations, linear functions, systems of equations, and exponents and exponential functions

2<sup>nd</sup> semester topics: polynomials and factoring, quadratic functions, solving quadratic functions, statistics, working with functions, and piecewise functions



### **Geometry**

½ credit per semester

Grade: 9, 10, 11

Prerequisite: Algebra I

Geometry is intended to instill in the student methods of clear, logical and impartial critical evaluation and intelligent generalization. Geometry covers topics in plane and solid geometry with emphasis on the application of geometric principles to a variety of problems and proofs. The first semester of this course will cover congruence, expressing geometric properties with equations, geometric measurement and dimensions, similarity, right triangles and modeling with geometry. The second semester of this course will cover similarity, trigonometry, volume and surface area, modeling three-dimensional objects, circles and probability.

### **Geometry - Honors**

½ credit per semester

Grade: 9, 10

Prerequisite: A "B" or higher in Algebra I OR permission of the instructor

This course is intended for college-bound students with a high aptitude in mathematics who intend to pursue their math education through at least Pre-Calculus and possibly AP Calculus. It covers the same material as regular geometry, but to a much greater depth and with emphasis on algebraic skills. The students are expected to demonstrate a high degree of competence and understanding on homework and tests.

### **Algebra II**

½ credit per semester

Grade: 10, 11, 12

Prerequisite: Algebra I and Geometry

Algebra II is a second course in modern algebra that will expand on the mathematics covered in both Algebra I and Geometry. This course will be very important in the ACT and/or SAT preparation of each student.

The first semester of this course will cover properties of numbers, equations, inequalities, functions, graphing, solving systems, quadratics, factoring, polynomials, and roots. The second semester of this course will focus on inverses, radical expressions, rational exponents, logarithms, base e, rational expressions, graphing, conics, sequences, and trigonometric functions.

### **Algebra II - Honors**

½ credit per semester

Grade: 10, 11

Prerequisite: A "B-" or higher in Geometry - Honors OR permission of the instructor

This course is intended for college-bound students with a high aptitude in mathematics, who intend to pursue their math education through at least Trigonometry and possibly Calculus. The concepts covered are essentially the same as the regular Algebra II. However, the concepts will be covered at a more rapid rate, and the considerations of these concepts will be in more depth.

### **Trigonometry**

½ credit

Grade: 11, 12

Prerequisite: Algebra II

Trigonometry is a semester-long course that is a continuation of topics studied in Algebra II. The course is introduced by a review of algebra and focuses on functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and analytic trigonometry. This course will cover essential topics that are tested on the ACT and SAT. When combined with Statistics, both semester-long courses complement each other as a year-long math course.

### **Statistics**

½ credit

Grade: 11, 12

Prerequisite: Algebra II

This course is designed to match the requirements of an introductory college course in statistics. The major conceptual themes that will be studied are data analysis, strategies in planning a study, statistical inference, probability, and applications of the normal distribution. An introductory statistics course is typically required for majors such as social sciences, health sciences, business, engineering, sciences, and mathematics. Statistical methods are applied with a focus on understanding both the suitability of the method and the meaning of the result. Technology, self-motivated learning, and cooperative group problem solving are all integral parts of this course. When combined with Trigonometry, both semester-long courses complement each other as a year-long math course.

### **STAT 1010 Probability and Statistics**

1 credit (NHS) 3 credit hours (NC State)

Grade: 9, 10, 11, 12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

This course provides the student with an overview of probability and statistics. Probability terminology, concepts and rules are emphasized in solving probability problems. Descriptive statistics, including measures of central tendency and dispersion, charts, tables and diagrams are used to summarize data. The student is introduced to the binomial, Poisson, hyper-geometric, normal and t-distributions. Confidence intervals, hypothesis testing, correlation, and linear regression are used to make conclusions concerning population parameters from sample data.

### **MATH 1110 College Algebra**

1 credit (NHS) 4 credit hours (NC State)

Grade: 11, 12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

A study of 1) polynomial operations, rational expressions, exponents, radicals 2) linear and quadratic equations, inequalities, absolute value applications and their graphs 3) graphs of elementary functions and non-functions including inverse functions, combining functions, and translating and transforming functions 4) study of polynomial functions including the Fundamental Theorem of Algebra, zeroes of polynomials, rational functions, partial fractions 5) exponential and logarithmic functions including graphs and applications 6) Gauss-Jordan elimination and Cramer's Rule.

### **MATH 1130 Trigonometry**

1 credit (NHS) 4 credit hours (NC State)

Grade: 11,12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations and inequalities; the use of identities, vectors, and complex numbers; and solutions of polar equations and parametric equations. Students must supply a graphing calculator.

### **MATH 1150 Calculus I**

1 credit (NHS) 5 credit hours (NC State)

Grade: 12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

A study of analytic geometry, limits, continuity, the derivative, basic differentiation rules, rates of change, the product and quotient rules, higher-order derivatives, the chain rule, implicit differentiation, related rates, extrema on an interval, Rolle's Theorem and the Mean Value Theorem. Function analysis includes increasing and decreasing functions and the first derivative test, concavity and the second derivative test, limits at infinity and curve sketching. Concluding topics include anti-derivatives, indefinite and definite integrals, the Fundamental Theorem of Calculus, and integration by substitution. Applications include optimization problems, Newton's method, differentials, and areas of planar regions.

### **AP Calculus BC**

½ credit

Grade: 12

Prerequisite: Successful completion of Calculus I

This semester-long course is designed to be the equivalent of a Calculus II semester course at the college level. Students signing up for this course should expect a rapid and rigorous pace. The main topics include the graphical, numerical, and analytical study of limits, differentiation, integration, and series. An emphasis on self-motivation and the use of technology will be major themes of the course. Enrollees will be required to take the comprehensive Advanced Placement exam in May. Students are required to pay the AP exam fee. Advanced Placement and/or credit in college may be granted by the college to those who score sufficiently well on the examination.

### **Computer Science Principles**

½ credit

Grade: 9, 10, 11, 12

Prerequisite: C- or higher in Algebra I

Using the Python programming language, this course is intended to give students an introductory exposure to writing code and problem solving using computer science principles. As technology continues to expand exponentially, knowledge of coding and computer science is important for future employment in many careers. Fundamental programming concepts such as variables, functions, and data structures will be covered along with the history of computing and digital citizenship. This course addresses high school mathematics standards by emphasizing the use of algorithms and problem solving.

### **AP Computer Science A**

½ credit per semester

Grade: 10, 11, 12

Prerequisite: C- or higher in Geometry AND C- or higher in Computer Science Principles, C- or higher in Algebra II, or permission of the instructor

This course covers the material of a beginning college-level course in computer science using the JAVA programming language. Heavy emphasis will be placed on logical problem solving and program development. Students who are successful in this course will find that they are well prepared for other college-level programming courses using other programming languages. This course addresses high school mathematics standards by emphasizing the use of algorithms and problem solving. Students may be required to purchase additional AP examination material at the request of the teacher. Students are required to take the AP Computer Science A exam (paid for by the student) to get course credit.

### **Computer Science Projects**

½ credit per semester – students may enroll in a single semester or a full year

Grade: 10, 11, 12

Prerequisite: permission of the instructor – students must be able to show general knowledge of programming concepts

This course is for students who have taken at least two semester of computer science, engineering, robotics, or have prerequisite programming knowledge and would like to continue working on coding/technology projects. The class provides a workshop/lab environment for students to work independently on individual or group projects, to improve their coding skills, and to explore and tinker with new technologies. Students have freedom to pick their own projects and are encouraged to try things they have never done before. Students may choose any area of computer science, including, but not limited to: computer graphics, video games, mini-computers/microcontrollers (e.g. Raspberry Pi, Arduino), physical/wearable computing, interactive art, simulation, data analysis, scientific applications, programming languages, web development, mobile development. Students may enroll in this class multiple times for credit.

# MUSIC

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## **Concert Choir**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: A student must have been in chorus, band, or orchestra for a year at Norwalk Middle School or have permission of instructor to enroll.

Concert Choir is open to all qualified students in grades 9 through 12. Music is studied and performed from all periods of music history. Members learn to apply various choral techniques such as diction, phrasing, tone production and fundamental singing skills. Students will be required to take two singing tests per nine weeks. The choir will perform at the Christmas and Spring concerts. Practice time beyond normal school hours may be required.

## **Select Choir**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: Permission of instructor to enroll. Vocal audition required

Select Choir is open to all qualified students in grades 9 through 12. Music is studied and performed from all periods of music history. Members will continue to learn various choral techniques such as diction, phrasing, tone production, and advanced singing skills. Students will be required to take two singing tests per nine weeks. The Select Choir will perform at the Christmas and Spring concerts. They will also perform at numerous community events. Practice time beyond normal school hours is required.

## **Band**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: Permission of the instructor to enroll

Band is open to all students in grades 9-12 who have played wind or percussion instruments in the middle school band. Students will work to enhance skills and add advanced musical knowledge while participating in numerous performances. Required performances will include concerts, community events, parades, football halftime shows, and possible trips. Fall rehearsals will continue until 2:50 p.m. during football season. After the fall concert, we will split into concert band and wind ensemble. Seating between and within the two groups will be determined through required auditions at the conclusion of marching season. Additional rehearsals may be called at the director's discretion. All students will participate in marching band.

## **Music Appreciation**

½ credit

Grade: 9, 10, 11, 12

The intent of Music Appreciation is to provide students with the tools necessary to enjoy not only "classical" music, but music of the world around them. This includes discussions of how the music of today and its issues applies to the past. This class is a combination of lectures, videos, and listening activities.

## **MUCT 1010 Exploring Music**

1 credit (NHS) 3 credit hours (BGSU Firelands)

Grade: 9, 10, 11, 12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

Explores different categories of music (classical, world, popular) and various genres in their social contexts. Topics include, but are not limited to: music and ethnicity, music and gender, music and spirituality, music and love. Directed listening focuses on how musical sounds create meaning in different historical periods and cultures.

### **Orchestra**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: Permission of the instructor to enroll

Orchestra is open to all qualified students in grades 9 through 12 who play orchestral string instruments. Students will be expected to learn the skills of orchestral performance and work toward presenting programs for the public. Performances may include any of the following: concerts at home or in exchange with other schools, solo and ensemble contest, large group contests and the annual Fall, Christmas, Winter and Spring concerts. Practice time beyond normal school hours is required.

### **Independent Study Orchestra**

¼ credit

Grade: 9, 10, 11, 12

Prerequisite: Permission of instructor to enroll

Band students who wish to play in the wind and percussion section of the Orchestra can receive ¼ Independent Study credit for doing so. Students will be chosen based upon the instrumentation requirements of orchestral literature and will need to be recommended by the band instructors and/or audition for admittance. Students will be expected to be capable of learning music independently to be prepared for weekly rehearsals. Practice time beyond school hours is required as is attendance at all orchestra performances.

# SCIENCE

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## **Biology**

½ credit per semester

Grade: 9

Biology is a systematic study of living things through the use of activities such as demonstrations, discussions, visual aids, lectures, and laboratory investigations. Topics will include: the foundations of biology, the cell and its processes, cellular genetics, the structure and function of DNA, genetic mechanisms, modern genetics, evolution, diversity and interdependence of life.

## **Physical Science**

½ credit per semester

Grade: 10

Physical Science is a laboratory-oriented course designed to give the student a strong background in Chemistry and Physics without extensive use of higher mathematics. Basic Chemistry will be covered with emphasis on the periodic table and its use. This course shall not be taken after Chemistry or Physics.

## **Life Science I**

½ credit per semester

Grade: 9

In Life Science I, students will be provided with a multi-sensory approach to Life Science instruction, giving them the tools and resources necessary to be successful in the classroom setting. Students will be provided with hands-on and activity-based learning to develop critical thinking and problem solving skills. Life Science I will cover the following topics in Biology: the scientific method, characteristics of life, biomolecules, cell structure and energy, cell cycle, cell reproduction, Mendelian and non-Mendelian genetics, DNA replication, protein synthesis, human genome, and genetic engineering.

## **Life Science II**

½ credit per semester

Grade: 10

In Life Science II, students will be provided with a multi-sensory approach to Life Science instruction, giving them the tools and resources necessary to be successful in the classroom setting. Students will be provided with hands-on and activity-based learning to develop critical thinking and problem solving skills. Life Science II will be a continuation of Life Science I and cover the remaining topics in Biology: the biosphere, ecosystems, communities, populations, human interactions, Darwin's theory of evolution, evolution of populations, classification and the history of life. Additionally, students will spend time reviewing and preparing for the end of course exam and receive an introduction to Physical Science which they will take as juniors.

## **Chemistry**

½ credit per semester

Grade: 11, 12

Prerequisite: Satisfactory completion of two credits in science; "C" or higher in Algebra I; or permission of instructor

This course will cover all the basics of Chemistry. The student will study both organic and inorganic chemistry with an emphasis on problem solving. The students will perform hands on experiments and will be expected to pay for any broken equipment. In addition, there is a fee to cover the cost of the lab book and some of the consumable supplies. Goggles will be supplied and must be worn when working in the lab.

### **Anatomy and Physiology**

½ credit per semester

Grade: 11, 12

Prerequisite: A "C" or higher in Biology

This course provides an in-depth look at the internal and external structure of the nine body systems. The principles and concepts of these systems are reinforced in the laboratory through laboratory activities and the dissection of cats for comparison to human anatomy. Pathophysiology, or dysfunction of the body systems, is also covered. A lab fee will be charged to cover the cost of the dissection specimen, a lab book and some consumable supplies.

### **Environmental Science**

½ credit per semester

Grade: 11, 12

Prerequisite: Successful completion of Physical Science and Biology

This is an integrated science course, which develops the student's fundamental problem-solving abilities and reinforces concepts to enable students to make informed decisions concerning real-world issues. Life science content covered includes interdependence of organisms, energy and matter flow in living systems, population growth and sustainable agriculture. Physical science content covered includes units on conservation of energy, properties of matter, weather, climate, earth, and space science. Topics of interest may include strategies for land, water, and air management as well as strategies for resource and energy use.

### **Physics**

½ credit per semester

Grade: 11, 12

Prerequisite: Satisfactory completion of two credits in science; "C" average or higher in Geometry; or permission of the instructor

Physics is the physical science which deals with matter, energy and their interactions. The class consists of lecture, discussion, teacher-directed study, and laboratory work in the areas of mechanics, Newton's Laws of Motion, and other related areas of study. In addition, there may be a fee to cover the cost of the lab book and some of the consumable supplies.

### **PHYS 2010 College Physics I**

1 credit (NHS) 5 credit hours (BGSU Firelands)

Grade: 9, 10, 11, 12

Prerequisite: Must complete required College Credit Plus paperwork and meet college's requirements

First term of an introductory physics sequence using algebra and trigonometry, but not calculus. Topics include motion, forces, energy, fluids, heat and simple harmonic motion.

### **Advanced Placement Biology**

½ credit per semester

Grade: 11, 12

Prerequisite: Successful completion of Biology and Chemistry with at least a "B" average or instructor approval

The AP Biology course is designed to be the equivalent of a college introductory biology course taken by biology majors during their first year. The textbook and labs are of college level. Content includes topics from areas of molecular & cellular biology, and plant and animal anatomy and physiology. Students enrolled in this course should be willing to do extensive additional work on their own. A summer assignment must be completed, and all students will be required to pay for and take the AP Biology exam in May.

### **Advanced Placement Chemistry**

½ credit per semester

Grade: 11, 12

Prerequisite: Successful completion of Chemistry and Algebra II or instructor approval

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. A summer assignment must be completed, and all students will be required to pay for and take the AP Chemistry exam in May.

# SOCIAL STUDIES

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## **World History**

½ credit per semester

Grade: 9

This course is a study of the world emphasizing political, economic, religious, and social events primarily involving Western Europe. The first semester of this course will begin with the French Revolution and end with the events of World War I. Second semester will begin with Western Europe between the World Wars and end with present day.

## **World History - Honors**

½ credit per semester

Grade: 9

Prerequisite: 8<sup>th</sup> Grade English and social studies grades, teacher recommendation, test and essay scored by NHS staff

Students examine the political, social, economic, and military events that occurred in world history from the Enlightenment to contemporary times (1600's to today). This course fosters an understanding of the interrelation of events from the past and their impact on modern society. To accomplish this task, students develop the skills of historical analysis by examining numerous primary and secondary sources. Additionally, the course promotes the development of critical thinking, historical writing and reading skills through the use of essays, research papers, and oral presentations. Assessments in the course will be designed to promote the development of critical thinking and writing skills that are necessary to succeed in higher level social studies courses offered at Norwalk High School; these include, but are not limited to, essay tests, document analysis, research papers, oral presentations, reading quizzes, and higher-level objective tests.

## **American History**

½ credit per semester

Grade: 10

This course will emphasize the interrelationship of the political, economic, and social forces of each age of American History and how they shape the present age, and in turn, are shaped by preceding ages. The first semester of this course will begin with the Reconstruction Era and the building of a new nation, and it will end with the New Deal. Second semester will begin with World War II and end with the present day.

## **AP U.S. History**

½ credit per semester

Grade: 10

Prerequisites: Completion of Honors English I and Honors World History with recommendation of current instructors; permission of AP instructor to enroll and co-enrollment in Honors English II.

This course is designed to provide students with analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. Students will learn to assess historical materials and weigh interpretations presented in historical scholarship. There will be an emphasis on writing clearly in essay format. This course will be for college bound students. Students are required to take the Advanced Placement U.S. History Exam in May. There will be a summer assignment required for all students taking this course.

## **U.S. Government**

½ credit per semester

Grade: 11

Prerequisite: Completion of World History and American History

The first semester will focus on the development and structure of the U.S. political system, including English heritage, colonial charters, and a review of various primary documents. The powers and functions of the three branches of government will be supplemented with an analysis of historical and current events, as well as the individuals and organizations that shape our system of law today.

Second semester topics will be concentrated on the rights and responsibilities of citizenship, including a strong emphasis on the Bill of Rights and civic involvement through the exploration of community issues. The skills and resources needed to participate in our democracy and handle conflicts will be a constant theme throughout the course as well.



### **AP American Government and Politics**

½ credit per semester

Grade: 11, 12

Prerequisite: Permission of the instructor to enroll

The Advanced Placement American Government and Politics is designed to provide students with a critical perspective on government and politics in the United States and the ability to compare the American government to other world governmental forms. The course will prepare students for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. There will be essay examinations and term paper assignments. The course will be for college bound seniors who meet the following requirements: make application in the Guidance Office; achieve a minimum 40 PSAT score, or comparable PLAN, receive a Social Studies teacher's recommendation; and be interviewed by the instructor for approval. All students will be required to pay for and take the Advanced Placement American Government and Politics test in May.

### **Senior Social Studies**

½ credit per semester

Grade: 12

Prerequisite: U.S. Government

As the capstone course in the social studies curriculum, Senior Social Studies requires students to utilize, refine and broaden the skills and knowledge developed in previous courses. During the first semester, students examine the institutions of our governmental systems, current events, various economic issues, as well as the role of the citizen in our representative democracy.

During the second semester, students examine contemporary American and World history, current events, and various social issues, both domestic and foreign. With these objectives in mind, students develop and complete a Senior Project as a requirement of this course. Encouraging students to actively participate in government and in our community are goals of the course.

### **AP Microeconomics**

½ credit per semester

Grade: 12

Prerequisite: Minimum of three (3) Social Studies credits; completion of either AP American History or AP American Government and instructor approval

This course is designed to provide students with a college-level introduction to the field of economics. Students will study the principles of economics that apply to the behavior of individuals within an economic system by using graphs, charts, and data to analyze, describe, and explain economic concepts. The units that will be covered include: Basic Economic Concepts; Supply and Demand; Production, Cost, and the Perfect Competition Model; Imperfect Competition; Factor Markets; and Market Failure and the Role of Government. Students are required to pay for and take the Advanced Placement Microeconomics exam in May.

**\*\*\*The following courses are offered as elective credit and do not count as social studies credit for graduation requirements\*\*\***

**Sociology**

½ credit (elective)

Grade: 11, 12

Prerequisite: Successful completion of previous Social Studies credits

Sociology deals with man in his relationship to others. It has much to offer those on the threshold of adulthood who are going out in the world today in which the struggle to win better human relations has scarcely begun. Sociology and social problems are best understood by being illustrated in terms of teenage experiences. This course can help our young people to become less ego-centered and more society-centered, which is the essence of moral maturity.

**Psychology**

½ credit (elective)

Grade: 11, 12

Prerequisite: Successful completion of previous Social Studies credits

This course will consider problems of social groups, intelligence and ability, learning and perception and animal behavior. The student should therefore be prepared to study a subject of considerable breadth, touching a wide variety of problems. The scientific method and its importance to the science of behavior will be stressed.

**Teen Leadership Corps**

½ credit per semester (elective)

Grade: 11, 12

Prerequisite: Completion of an application, student contract, and personal interview

This course is designed to engage students in a meaningful set of community service activities and to develop leadership and problem-solving skills. Students will be responsible for planning and participating in events that benefit others (planning a senior citizen community dance/mentoring an elementary student, etc.) and writing reflections on their experiences.

# VISUAL ARTS

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## Drawing

½ credit

Grade: 9, 10, 11, 12

Drawing is an introductory course with the emphasis on the fundamentals of drawing and composition. Experimentation in a variety of drawing media techniques will be included. **This course is a prerequisite for all advanced art courses except Sculpture.**

## Design

½ credit

Grade: 9, 10, 11, 12

Design is an introductory art course with the emphasis on the elements and principles of design. Experimentation in a variety of two-dimensional and three-dimensional media techniques will be explored. **Design is a prerequisite for all advanced level art courses except Advanced Drawing.**

## Advanced Drawing I

½ credit

Grade: 10, 11, 12

Prerequisite: A "C" or higher in Drawing

Advanced Drawing I is an advanced level course with the emphasis on advanced drawing techniques, media, and composition. Experimentation in a variety of drawing media will be explored.

## Advanced Drawing II

½ credit

Grade: 11, 12

Prerequisite: A "C" or higher in Advanced Drawing I

Advanced Drawing II is an advanced level course which builds upon the drawing techniques used in Advanced Drawing I. Additional advanced drawing techniques will be introduced.

## Advanced Drawing III

½ credit

Grade: 12

Prerequisite: A "C" or higher in Advanced Drawing II

Advanced Drawing III is an advanced level course which builds upon the drawing techniques used in Advanced Drawing II. Additional advanced drawing techniques will be introduced.

## Painting I

½ credit

Grade: 10, 11, 12

Prerequisite: A "C" or higher in Drawing and Design

Painting I is an advanced level course with the emphasis on the elements and principles of design and the fundamentals of drawing composition. Experimentation in a variety of painting media techniques will be explored.

### **Painting II**

½ credit

Grade: 11, 12

Prerequisite: A "C" or higher in Painting I

Painting II is an advanced level course which builds upon the media techniques used in Painting I. Additional advanced painting techniques will be introduced.

### **Painting III**

½ credit

Grade: 12

Prerequisite: A "C" or higher in Painting II

Painting III is an advanced level course which builds upon the media techniques used in Advanced Painting I and II. Additional advanced painting techniques will be introduced.

### **Sculpture I**

½ credit

Grade: 10, 11, 12

Prerequisite: A "C" or higher in Design

Sculpture I is an advanced level course with the emphasis on the design and creation of three-dimensional objects in a variety of media with clay being the dominate media explored.

### **Sculpture II**

½ credit

Grade: 11, 12

Prerequisite: A "C" or higher in Sculpture I

Sculpture II is an advanced level course which builds upon the media techniques used in Sculpture I. Additional advanced techniques will be introduced.

### **Sculpture III**

½ credit

Grade: 12

Prerequisite: A "C" or higher in Sculpture II

Sculpture III is an advanced level course which builds upon the media techniques used in Sculpture II. Additional advanced techniques will be introduced.

### **Fibers and Glass I**

½ credit

Grade: 10, 11, 12

Prerequisite: A "C" or higher in Drawing and Design

Fibers and Glass is an advanced level course with the emphasis on the design and creation of copper enameling, fused glass and fiber art. Basic metal work and jewelry techniques will also be explored.

### **Fibers and Glass II**

½ credit

Grade: 11, 12

Prerequisite: A "C" or higher in Fibers and Glass I

Fibers and Glass II is an advanced level class which builds upon the emphasis of Fibers and Glass I. Additional advanced techniques will be introduced.

### **Fibers and Glass III**

½ credit

Grade: 12

Prerequisite: A "C" or higher in Fibers and Glass II

Fibers and Glass III is an advanced level class which builds upon the emphasis of Fibers and Glass II. Additional advanced techniques will be introduced.

### **Prints I**

½ credit

Grade: 10, 11, 12

Prerequisite: A "C" or higher in Drawing and Design

Prints I is an advanced level course with the emphasis on the elements and principles of design and drawing composition. Experimentation in a variety of printing media and printing techniques and media will be explored.

### **Prints II**

½ credit

Grade: 11, 12

Prerequisite: A "C" or higher in Prints I

Prints II is an advanced level course which builds upon the media techniques used in Prints I. Additional advanced printing techniques and media will be introduced.

### **Prints III**

½ credit

Grade: 12

Prerequisite: A "C" or higher in Prints II

Prints III is an advanced level course which builds upon the media techniques used in Prints II. Additional advanced printing techniques and media will be introduced.

### **Art Appreciation**

½ credit

Grade: 10, 11, 12

Art appreciation will educate students to the cultural importance and influence of art throughout history. Periods of art to be studied may include: Western Art, Romanesque and Gothic, and the Renaissance through 20th Century Architecture. Two and three-dimensional art projects will be explored.

**Digital Art I**

½ credit

Grade: 10, 11, 12

Prerequisite: Drawing, Design, and 8th grade computer class

Digital Art I provides students with a broad set of skills (in a variety of digital media) while maintaining a fine arts approach and focus. Basic digital software technologies will be introduced while emphasizing individual creativity. Formal design standards and principles will be emphasized with experimentation and personal expression.

**Digital Arts II**

½ credit

Grade: 11, 12

Prerequisite: A "C" or higher in Digital Art I

Digital Arts II is a continuation of the theory and methods of digital photography and art making that students learned in Digital Arts I. Intensive study will focus on advanced image manipulation, 3D modeling, and basic animation.

# WORLD LANGUAGE

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## **French I**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: A "C" or higher in English and/or permission of the instructor to enroll

Students will begin to develop basic vocabulary and communication skills (listening, reading, writing, speaking) in the target language. Students will also have an introduction to the culture and traditions of francophone countries.

## **French II**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: A "C" or higher in French I and/or permission of the instructor to enroll

Students continue the development of the four communication skills (listening, reading, writing, speaking) with new structures and increased vocabulary throughout the year. Students gain more of an understanding of the language, culture, and customs of France and francophone countries.

## **French III**

½ credit per semester

Grade: 10, 11, 12

Prerequisite: A "C" or higher in French II and/or permission of the instructor to enroll

This course helps students expand their base from the previous two years of French studies and to continue to develop in the four communication skills. Situational dialogues and projects will aid in the acquisition of a more sophisticated vocabulary and grammar.

## **French IV**

½ credit per semester

Grade: 11, 12

Prerequisite: A "B" or higher in French III and/or permission of the instructor to enroll

This course is devised to help students master the skills needed to further and deepen their French study. This course will allow students to make connections through discussion of interdisciplinary topics in order to attempt to explore and comment on real-world problems so that they will be able to use the target language in "real life" situations. Students will be exposed to an extensive vocabulary and grammar review as well as to some excerpts of French or francophone literature. Students will develop proficiency through contextualized activities and communicative activities in pairs and groups. Students will be able to develop proficiency in interpersonal, presentational, and interpretive communication through reading, writing, speaking, and listening. Students will be able to assess comparisons between their own culture, their life experiences, and those of the francophone world.

## **French V**

½ credit per semester

Grade: 12

Prerequisite: Permission of the instructor to enroll.

Students have the option of taking the AP French Language exam.

This is an advanced French course. This course emphasizes advanced communication, listening, and reading skills. Writing skills will be perfected as grammar is reviewed and studied more in depth. Vocabulary will be enhanced and students will be able to communicate in multiple situations. This course emphasizes global interdependence and cultural awareness within the francophone world.

### **Spanish I**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: A "C" or higher in English and/or permission of the instructor to enroll

Spanish I students learn basic rules of Spanish grammar, pronunciation and verbs. In addition to a firm foundation in elementary syntax, the student of first year Spanish is encouraged to employ skills in reading, writing, listening and speaking.

### **Spanish II**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: A "C" or higher in Spanish I and/or permission of the instructor to enroll

Spanish II students are encouraged to develop ability in both the spoken and written aspects of the language. After a concise review of Spanish I and the present tense, students study additional verb forms and other aspects of grammar in order to provide them with the tools essential for intermediate reading and speaking. Vocabulary enrichment is also stressed through further readings and skits involving everyday expressions.

### **Spanish III**

½ credit per semester

Grade: 10, 11, 12

Prerequisite: A "C" or higher in Spanish II and/or permission of the instructor to enroll

Spanish III students work on oral expression and take a more in depth look at reading and writing. Close attention is paid to word meanings, synonyms, idioms and the remaining tenses. A more profound study of Hispanic and Spanish American culture is emphasized and intensive grammar review is also covered with an enlargement of previous work.

### **Spanish IV**

½ credit per semester

Grade: 11, 12

Prerequisite: A "B" or higher in Spanish III and/or permission of the instructor to enroll

Spanish IV students continue development of skills in speaking, aural comprehension and writing. At this level emphasis is placed upon all levels of Spanish art, literature and history. A term paper in Spanish on a selected topic comprises one of the major assignments for the year. Seniors enrolled in Spanish IV will have the option of taking the AP exam. Course will be conducted in the target language.

### **Spanish V**

½ credit per semester

Grade: 12

Prerequisite: Permission of the instructor to enroll

Students will refine skills in reading, writing, listening, and speaking. Emphasis will be placed on perfecting grammar and conversation skills. Each student will be expected to write a term paper in Spanish. Students have the option of taking the AP Spanish Language Exam in May for an additional fee of approximately \$94. Course will be conducted in the target language.



### **Spanish for Heritage Speakers**

½ credit per semester

Grade: 9, 10, 11, 12

Prerequisite: Teacher recommendation

Designed for heritage speakers of the Spanish language who already have some oral language proficiency. This course can accommodate students from a wide range of linguistic backgrounds. Students will build upon their current language skills to develop language and cultural literacy, as well as their own creative expression. This course will guide students to develop a deeper love for their own cultural history and heritage while recognizing that there are many ways to be Latinx.

During this course, students will gain confidence using Spanish to express their own thoughts on social and academic themes, interact with other speakers of the language, understand oral and written messages, make oral and written presentations, reflect on language variations, and critically view and evaluate media resources and websites. Students will be able to understand material presented on a variety of topics related to contemporary events and issues in Latinx communities.

### **Bilingual Support**

no credit

Grade: 9, 10, 11, 12

Prerequisite: OELPA score of Emerging or Progressing

This course is offered for bilingual students to provide support for academic classes.

# SPECIAL EDUCATION RESOURCE ROOM

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## **Resource Room**

Modified instruction is provided for students who are identified as being learning disabled, cognitively disabled, or severe emotionally disturbed. These teachers also occasionally teach students with other disabilities. Courses for credit may be available in the core areas. The course work is individualized to meet the instructional needs of the student with an emphasis on meeting the academic content standards.

## **Work-Study Services**

Students enrolled in a special education program are eligible to receive credit for on-the-job experience. If they are of junior or senior rank or have special permission of the principal, they may be eligible for early release privileges. Employment is typically part-time but may be full-time for seniors under certain circumstances. Services in the work-study program are provided in accordance with a student's I.E.P. and there are specific requirements in order for a student to earn Work-Study credit.

## **Inclusion**

Based on the students' needs, a required class may be in an inclusion setting. This allows students to be in a general education class along with their special education teacher. This situation allows assignments to be modified. It also provides extra support and increases the likelihood of the students' being successful in a general education classroom.

## **Transition**

½ credit

Grade: 9, 10, 11, 12

Transition class is designed as a way to allow students to make choices about their post-secondary career path. Students will learn skills critical to preparing to enter the workforce such as resume writing, interviewing skills, and communication skills. Students will work in our coffee shop, Stomping Grounds, where they will have the opportunity to learn hands-on job skills. Students who express an interest in furthering their education after high school will learn the steps to applying to attend the educational institution of their choosing. Students will also learn time management and organization skills that will help them be successful in their adult lives.