Hastings High School

Program of Studies
2026-2027



Dear Students and Families,

We hope you find the *Program of Studies* booklet helpful as you begin considering the courses you would like to take next year. We encourage you to review the various course offerings with your parents or guardians and begin thinking about how they align with your goals and interests. Please note that some offerings may be subject to change.

Each year, during early spring, you will meet with your school counselor to select courses for the following academic year. These selections will be based on graduation requirements as well as your individual interests and academic needs. It's important to start thinking about a general four-year academic plan for your time at the high school.

This updated booklet includes projected course offerings and current graduation requirements. We encourage you to challenge yourself and create a course of study that is both rigorous and engaging.

Best wishes as you plan for a successful year ahead!

Sincerely,

Ms. Lori Aufiero, Director of School Counseling

Ms. Sharon Quigley, School Counselor

Ms. Randie Shaw, School Counselor

Ms. Wendy White, School Counselor

The Hastings-on-Hudson School District does not discriminate on the basis of age, color, religion, creed, disability, national origin, race, or sexual orientation in the educational programs and activities which it operates.

The Hastings-on-Hudson Board of Education and Administration believe that all students should have access to our most difficult Honors and Advanced Placement courses.

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Portrait of a Hastings Learner

We are a nurturing community of diverse learners who foster a just and compassionate society.

The Hastings Commitment:

- To inspire exploration and experimentation
- To unleash natural enthusiasm for learning and growth
- To invite unconventional and courageous thinking
- To cultivate equal parts confidence and compassion
- In order to expand what one sees as possible for themselves, the community, and society.

Attributes:



Goals:

1. We will nurture a community of diverse thinkers who actively create and participate in a just and compassionate society.
2. We will foster authentic learning experiences that cultivate passion, aspiration, and action.
3. We will honor individuality while respecting our shared humanity.

Action Steps:

1. Enhance authentic learning opportunities, including interdisciplinary lessons/units.
2. Provide an advisory-like opportunity to support Social Emotional Learning (SEL)

and students' sense of belonging.

3. Develop a community charter around behavioral expectations & Restorative practices.

Graduation Requirements

A minimum of 22 credits are needed for graduation; the required credits are listed below.

Students are also required to take and pass a minimum of **5 Regents exams**
(1 English, 1 Social Studies, 1 Science, 1 Math and an additional 1 Regents exam in any of the four core subjects or earn a CDOS Credential)

4 English Credits
English 9
English 10
English 11 or English 11 Honors
1 credit of English: an English SUPA or AP, or .5 credit in English 12 and .5 credit English elective

4 Social Studies Credits
World History 1
World History 2
American History, AP American History, SUPA U.S. History
.5 Economics
.5 Participation in Government

3 Math Credits Students must pass one regents exam and complete three mathematics courses. These requirements can be satisfied in many different ways. Work with your counselor to determine the best sequence of classes for you.

3 Science Credits Students must complete a minimum of one course in physical science and one course in life science, the third credit can be a physical or life science. Generally students will complete Earth Science, Biology and Chemistry but speak to your counselor regarding the sequence that is right for you.

1 Credit of Visual Art, Music and/or Theatre

• 5 Health Credit

1 Credit Language other than English Credits (L.O.T.E.) Students who pass the 8th grade Language Proficiency exam receive one High School credit for L.O.T.E.

2 Physical Education Credits
This is completed by taking .5 credits of Physical Education every year.

3.5 Elective Credits

Hastings HS Students must take a minimum of 6.5 credits per academic year

https://www.nysed.gov/standards-instruction/graduation-requirements

DIPLOMA AND CREDENTIAL OPTIONS

REGENTS DIPLOMA

Assessments: Pass 5 required Regents exams with a score of 65 or higher on each exam, or • Pass 4 required Regents exams (one in each discipline) and either a Pathway Assessment or CDOS Commencement Credential

**** 5 REGENTS exams students MUST pass during their time in High School:

ELA, US History, World History, 1 in ANY Math, 1 in ANY lab Science

Appeal: One Regents exam (score between 60-64) may be appealed at the district level. Eligibility requirements include:

- Regents exam taken 2 times
- Student has taken advantage of school-provided academic intervention
- Have a passing course average in subject under appeal
- Recommendation by teacher or department chairperson

A Regents or Local diploma is proof that a student has met the standards for graduation from high school in New York. Once the student earns a diploma he or she is no longer eligible to attend high school.

LOCAL DIPLOMA

Earn 22 credits: 4 ELA, 4 social studies, 3 science, 3 mathematics, ½ health, 1 arts, 1 language other than English (LOTE), 2 physical education, 3 ½ electives as well as fulfill attendance requirements and any other district requirements.

General Education Students and Students with IEPs or 504 Plans

Local Diploma Through Appeal:

- 3 Required Exams with scores of 65 or higher *and*
- 2 Required Regents Exams with scores 60-64, successfully appealed

Students with IEPs and 504 plans

Low Pass Safety Net

- 5 required Exams with scores of 55 or better

Low Pass Safety Net and Appeal

- 3 required exams with scores of 55 or better and two Regents exams with scores of 52-54, successfully appealed

Compensatory Safety Net/Appeal

- Must score a 55 on math and ELA exams. (Note: Appeal may apply allowing students to score 52.)
- If Student scores a 65 or higher on any required exam, the score may compensate for another exam score between 45-54.

Multiple Pathways Options and the CDOS Commencement Credential may be used

ENGLISH LANGUAGE LEARNERS

General Education Students and Students with IEPs or 504 Plans Local Diploma (Through Appeal);

- 3 Required exams with score of 65 or higher

- 1 Required exam with a score of 60-64 and
- ELA exam score of 55-59

SUPERINTENDENT DETERMINATION & AMENDMENT

Local Diploma – Students with IEP's only

Upon written request from the parent or guardian, the superintendent may conduct a review of the student's coursework to determine whether he or she has achieved graduation level proficiency in the subject area where the student was not able to obtain a passing score using Safety Net Options.

SAFETY NET OPTIONS

In order to qualify students must: Earn 22 credits

- Participate in 4 required Regents exams and either 1 Pathway Assessment or earn the CDOS Commencement Credential
- Score a 55 or higher in math and ELA (Note: Scores of 52-54 may be appealed.) • Or (amendment)
- Earn 22 credits
- Participate in 4 Required Regents exams (this may include a Pathway Assessment) and earn the CDOS Commencement Credential.

NON-DIPLOMA CREDENTIALS

There are existing certificates available that document students' levels of work-readiness. These credentials are aligned with the NYS learning standards for Career Development and Occupational Studies, which are State standards focusing on vocational preparation.

Career Development and Occupational Studies (CDOS) Commencement Credential

Available to all students except those who take the NYS Alternate Assessment

Option 1:

-Master Commencement Level CDOS standards

-Complete 216 hours of CTE coursework and/or work-based learning activities (minimum of 54 hours of work-based learning required)

-Complete Career Plan documenting student vocational goals and preparation

-Complete Employability Profile documenting student skills and experiences

OR

Option 2:

-Student must pass a NYS Commission-approved National Work-Readiness Exam

-Skills and Achievement

-Commencement Credential

Available to students with severe disabilities who take the NYS Alternate Assessment -Students must attend school for at least 12 years, excluding kindergarten
-Documentation of the student's skills, strengths and levels of independence needed for post-school living, learning and working

A non-diploma credential is not a high school diploma. Most colleges, the military and many jobs, including union and civil service, require high school diplomas.

ENGLISH

Facility with language enriches life. It sparks and shapes relationships among people. It enables us to enjoy the arts and the inventions of culture, to participate in them, and even to create our own. It is, most importantly, the rudimentary skill for all learning. Consequently, all required courses in our English program include the essentials for mastery of language: reading, writing, speaking, listening, fundamentals of grammar and usage, and exposure to the literatures of many cultures. To immerse students in language, they must take a full year of English during each of their four years of study. Although the program offers a variety of courses for completing this four-year requirement, all students must take English 9, 10, and 11 (or 11 Honors). They can then choose from a combination of advanced and elective courses to fulfill their fourth year of English.

To satisfy a five-unit sequence for graduation, students can take additional elective and advanced courses to complete 5 units or more of English.

Summary of Courses

Core Courses
English 9
English 10
English 11: American Literature
English 12

Advanced Courses
English 11 Honors: American Literature
English 12 AP Literature
English 12 Honors: Advanced Writing and Literary Theory (SUPA)

Elective Courses
Building a Better Bookshelf - Literacy in the 21st Century
Creative Writing
Eastern Perspectives on Global Events
Film Studies I
Film Studies II
Journalism
Revealing Women : A Study of Women Who've Made a Difference
Speak for Yourself: The Art of Communication
TV Broadcasting: Communications and Media
Watching the Detectives

Core Courses:

English 9 Full Year-1 Unit ☐ **NCAA Approved Course**

This required course examines the major literary genres: the novel, the short story, poetry, drama, and non-fiction. There is regular work in the organization of an argument, sentence structure and rhetorical techniques to further develop students' own voice in writing. Texts consider the ways that literature immerses readers in other worlds while also deepening what we can understand about our own. Students also do guided supplementary reading and close analysis of what they read.

English 10 Full Year-1 Unit ☐ **NCAA Approved Course**

This required course continues the study of the major literary genres and the many strands of language arts with attention to the complexity of language and human

experience. Composition and functional grammar are an integral part of the program. We will look specifically at self vs. society and try to answer the question, what does it take to navigate the world? Especially in a complex, often chaotic world, how do individuals respond, cope, thrive, and challenge the expectations of society. We're also going to challenge you to look for and to learn from what makes you uncomfortable and what seems complex, to acknowledge and question various interpretations and viewpoints.

English 11: American Literature Full Year-1 Unit ☐ **NCAA Approved Course**
This comprehensive course in American literature is intended to familiarize students with the breadth and variety of the American experience as reflected in its literature. The course may be taught chronologically, thematically, or by genre, at the discretion of the instructor, but the essential materials remain the same. In addition, analytical writing with an emphasis on rhetoric is taught. The New York State Regents Examination in English is administered to all students enrolled in English 11 in January of their junior year.

English 12 - An Introduction to College Level Reading and Writing
One semester – ½ Unit ☐ **NCAA Approved Course**
This half year elective course open only to seniors is meant to provide an introduction to college level reading and writing activities and to serve a culminating English experience for Hastings students. Units will include: Thinking about Voice or Personally Persuasive Writing, Expository Writing, Document Argument and Presentation and Public Speaking Skills. All seniors who are NOT taking one of the senior honors options (AP Literature or SUPA) ***are required*** to take this course

Advanced Courses

The English Department believes that students should have the opportunity to create a program of studies that brings them the greatest intellectual challenge. In light of this it will not exclude students from its advanced courses. Because Honors and AP courses are neither workshops nor tutorials, the Department considers certain qualities essential to success in these classes.

These are:

- The motivation to complete extensive reading,
- The ability to write expository papers with control over grammar and mechanics
- The industry to keep pace with all course requirements, and
- The completion of summer reading assignments.

Students whose achievement falls below a B average may be asked to consider more appropriate placement. These advanced classes are full-year courses and may not be taken for half-year credit. Note that there is one Honors elective listed below.

English 11 Honors: American Literature Full Year-1 Unit
☐ **NCAA Approved Course**
This course provides both an intensive study of masterpieces of American Literature and a college-level freshman composition course. Readings are plentiful and varied, covering works included in the traditional sense of American Masterpiece as well as works outside of this definition. Students will be taught the conventions of advanced literary analysis, and will be expected to use these tools in frequent reading and writing assignments. The composition component covers standard rhetorical modes, personal writing and some creative writing. Successful completion of summer reading is a prerequisite for starting the class. The New York State Regents Examination in English is administered to all students enrolled in English 11 in January of their junior year.

English 12 AP (Advanced Placement Literature) Full Year-1 Unit
☐ NCAA Approved Course
This course is a rigorous inquiry into literature. The focus is classic and contemporary literature. It offers a college-level reading and writing experience with the study of traditional and modern literature in the context of postmodern critical theory. Required writing for the course is primarily analytical. All students are required to sit for the Advanced Placement Examination in English Literature and Composition. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

English 12 Honors: Advanced Writing and Literary Theory, Syracuse University at Hastings High School Full Year-1 Unit
☐ NCAA Approved Course
A two-course sequence in writing and reading, yielding six college credits from Syracuse University. Both courses must be successfully completed to receive college credit, and the credit is usually transferable.

To be eligible to enroll in the program, students must be in their 12th year, should have gotten 85% or better on their English Regents examination, and must have the recommendation of their 11th grade English teacher. Students must pay a fee of about $600 to cover the administrative costs and charges of Syracuse University. Financial aid dependent on need is available.

WRT 105 is an introduction to composing and its relationship to cultures and communities, identities and ideologies, and technologies and media. In this class, writing is both a subject of inquiry and the primary activity. You will write, revise, edit and reflect with the support of the teacher and peers. You will also engage critically with the opinions and voices of others, as you develop a greater understanding of how your writing can have an effect on yourself and your audiences.

ENG 192 is a University-designated writing-intensive course that fulfills SU's College of Arts & Sciences Liberal Arts core curriculum and skills requirement.
In studying gender theory, the course introduces students to a variety of intellectual discourses current in the study of language and literature. Through close reading of theory, fiction, and writing about their readings, students develop a basis for understanding the intellectual currents that shape our understanding of literature, language, and culture.

ENGLISH ELECTIVES

All English electives are open to all students in grades 10-12; a few are also open to students in grade 9. Seniors may use these classes to complete their 12th grade English requirement after successfully completing English 9, 10 and 11 (or 11 Honors).

Building a Better Bookshelf: Literacy in the 21st Century (Grades 10-12)- One semester - ½ Unit
In this course, students will discuss what it means to be well read in the context of our time, and with the help of their teacher, they will develop a syllabus based on the idea of "literary diversity": texts representing a wide range of literary genres, written in a variety of locations within and outside this country and across and historical periods, presenting a diverse set of authors, characters, and experiences.

Creative Writing (Grades 9-12) One Semester – ½ Unit
☐ NCAA Approved Course
Students write their own short stories, plays, and poetry. The course offers ways to develop a creative voice and to experiment in technique. It provides opportunities for writers to share material with others. Professional models and student work comprise the texts.

Film Studies I: The Art of Reading Movies (Grades 9-12) One Semester- ½ Unit
Students are introduced to the art of film by examining the works of great film directors and by learning how film expresses meaning through image and sound. The course examines a variety of theories on the art of film and shows students the difference between seeing a movie and reading one. The course explores why great films lend themselves to careful study, and we will write often about how an aesthetic appreciation of many films can be had by understanding their design and realizing the various ways that films make meaning.

Film Studies II: The Making of Film (Grades 9-12) One Semester- ½ Unit
Students often know the various ways that films record things in the world around them, but they often miss the artistry behind the things they want to record. To discover their voices, students will study films and the art of storytelling to explore how to create the narratives they see. The technical elements of filmmaking will be stressed--from camera work to lighting and editing--as well as the process required for pulling together a complex work that learns how films manipulate their audiences, playing with the viewers' conscious and unconscious emotions. Students storyboard, film, and edit their own short films. (Film I is not a prerequisite for this class.)

Journalism (Grades 9-12) One Semester- ½ Unit
☐ NCAA Approved Course
This course gives students an overview of the role of print, broadcast, and photojournalism in a democratic society and introduces them to the principles of responsible journalism. Students put theory into practice by interviewing, writing, editing, and preparing material for publication.

Revealing Women: a Study of Women Who've Made a Difference
(Grades 10-12) One Semester- ½ Unit
☐ NCAA Approved Course
There's greater gender awareness than ever before and a real possibility that the gender gap might close. This course will examine women who've made a difference. By using print media, historical accounts, film, fashion, and literature, you will examine women who've advanced the rights, health and portrayal of females in our society.

Speak for Yourself: The Art of Communication (Grades 10-12) One Semester - ½ Unit
☐ NCAA Approved Course
Having the ability to communicate well comes in various forms these days; whether it's engaging in dialog via the comment section of a website or creating a long-form podcast, one commonality remains: the necessity for coherent, cogent presentation. In this course, we'll study the art of speaking well, speaking with confidence and speaking so others listen and want to engage with our ideas. To do this, traditional speeches, TedTalks, podcasts and social media posts will serve as our textbook. No experience required; the desire to grow and to work encouraged.

TV Broadcasting: Communications and Media (Grades 9-12) One Semester- ½ Unit
When we watch media, we are often unaware of the components that result in the content that reaches us: camera position and movement, impact of lighting, editing decisions, etc.

This course introduces students to the technological, practical, and creative aspects of TV and media production. Students will receive hands-on training in video software, editing techniques, camera operation, and lighting. Students will also hone their creative skills by developing narratives, setting scenes, writing dialogue, interviewing, fact checking, and considering audience impact. The class will investigate the physical operation of a TV studio and the creative process used to develop dynamic programming in several genres, which may include news, reality television, comedy, drama, and documentary.

Cracking the Case: Detective in Film and Literature (Grades 10-12) One Semester- ½ Unit

"Down these mean streets a man must go who is not himself mean, who is neither tarnished nor afraid." - Raymond Chandler

This class traces the development of the detective story from its beginnings in the 19th century through the heyday of the "hard-boiled" detective in the middle of the 20th century and up through the present. In this class, we will consider a number of full length films and a wide variety of written texts, including children's books, graphic novels, magazine articles, and short stories. Over the course of the semester, we will discuss the conventions of the detective genre, the workings of the detective story in film and on the page, and the ways in which this now familiar form has made its way into other aspects of popular American culture.

Eastern Perspectives on Global Events Through Literature - Honors (Grades 10-12) One Semester- ½ Unit

NEW COURSE: Spring Semester ONLY

Even as our world becomes increasingly interconnected, Western viewpoints, media, and historical framing often dominate the narrative of major events that affect us all. To truly understand the complexities of major scientific, social, and political events, students must engage with perspectives outside of their established Western lens. This course will explore how major global cataclysms, such as war, terrorism, pandemic, and environmental disaster, are experienced, processed, and depicted through Eastern narratives. Through various voices from Eastern nations (and the diaspora), students will develop cultural empathy, challenge the Western hegemony, and understand that experience with global events often depends on one's linguistic, spiritual, historical, economic, political, and social context. This honors-level semester-long course explores four pivotal events that reshaped our world over the past 60 years. Our literary focus will facilitate analysis and illuminate how individuals and communities narrate tragedy, resilience, and rebirth.

SOCIAL STUDIES

Students are required to take four full units of Social Studies in high school. The overall purpose of the Social Studies program is to prepare students for life by helping them understand the past, the modern tools of social analysis, and the major features of their environment. Within our classes, we stress content and skills and try to formulate class rules and procedures that foster self-respect and respect for others as well as a sense of responsibility.

Social Studies Sequence

All students take World History 1 and World History 2 in heterogeneous classes. In grade 11, students may choose different courses, but selecting a particular class in grade 11 does not, in any way, restrict their choices in their senior year. The fourth year requirement entails a semester of Economics and a semester of Participation in Government.

Typical Sequence

Grades 9-10	**World History 1 and World History 2** With an optional elective
Grade 11	**US History Regents** or **AP US History** or **SUPA American History** With an optional elective
Grade 12	**Economics (½ year)** AND **Participation in Government (½ year)** or **Economics (½ year)** AND **AP European History (Full year)** or **Economics (½ year)** AND **AP Psychology (full year)**

World History 1 (Required for 9th grade) Full Year–1 Unit

Grade 9 World History is the first year of a two-year course that traces, chronologically, the history of the world from prehistory to the present. Grade 9 covers prehistory to the 1600s and the Italian Renaissance. The course is structured around themes which demonstrate interactions of peoples around the globe and pose questions as to the extent to which distinct cultural groups developed compared to the emergence of a global culture.

World History 2 *(Required for 10th grade)* Full Year-1 Unit
☐ NCAA Approved Course
World History 2 is the second year of our survey on World History. We begin with the world in 1750 and end with the study of the contemporary world. The first semester concentrates on the 18th and 19th centuries while the second semester largely concentrates on the 20th century. The course ends with a Regents examination.

United States History and Government Regents [US History Regents] (11th grade) Full Year-1 Unit ☐ NCAA Approved Course
Over the course of the year we will examine the history of the United States through the lens of five American ideals celebrated since the very beginning of this country's formation: equality, rights, liberty, opportunity, and democracy. While many of us think we already know what these concepts represent, a closer look at the political, economic, social and cultural evidence of the past will help you to develop a much deeper and more nuanced understanding of what these ideals actually meant at different points of time and how they changed over time. Our foremost goal is to help you develop a critical eye for studying history in general and American history in particular. To this end you will have ample opportunity to hone your analytical and interpretive skills through a variety of individual and group activities. There is a Regents exam at the end of the course, required for graduation.

Advanced Placement American History [AP USH] Full Year-1 Unit (11th grade)
Prerequisite – Enrollment is conditional upon earning a 90% average the first semester of 10th Grade World History and also getting recommended by your 10th Grade World History teacher. **☐ NCAA Approved Course** This is a college-level survey course in American History covering the period from Colonial America through the post-Cold War era. The approach used will emphasize political, economic and social themes of American history, and will include conflicting historic interpretations of selected issues in the American past. In addition to the mastery of a college level textbook, students will participate in a number of extensive simulation games and read supplementary primary and secondary sources. The course is open to all juniors who show a willingness to do advanced work in the field of history. Students must take the Advanced Placement test given in May of each year and are prepared for the U.S. History SAT II exam given in June of each year. Students must pass the Regents in United States History and Government to graduate. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

Syracuse University Project Advance (SUPA) American History Full Year – 1 Unit (11th grade)
Prerequisite – Enrollment is conditional upon earning a 90% average the first semester of 10th Grade World History and also getting recommended by your 10th Grade World History teacher. COST: Determined by Syracuse each year -- typically runs between $600-$700 for six credits -- full year.
Syracuse University Project Advance (SUPA) American history 102 and 102 is designed to offer students a thematic approach to American history from early European settlement to today. It is designed to help students make connections between what we "were" to what we "are" and to what we "hope to be." Focusing on the themes of political democracy, social justice and economic opportunity, students are challenged to garner a better understanding of the American experience and an understanding of how our society came to be what it is today. Another objective of the course is to challenge students to develop critical reading and writing skills. With an emphasis on primary sources and historiography, students will be prompted to think more critically from different historical perspectives. Similar to the current AP US course offered in the High School, SUPA American History will require students to do college-level reading and writing. Unlike AP however, SUPA American does not culminate in an exam. ***Students who successfully***

complete the course will receive six transferable credits directly from Syracuse University. <u>COST:</u> Determined by Syracuse each year -- typically runs between $600-$700 for six credits. SUPA is a course that does not cover the same amount of vast information as the AP, and instead offers students a chance to take a college level course that is focused on a thematic and critical deep dive approach to American History.

Advanced Placement Modern European History [AP Euro] (Open to 12th grade only) Full Year-1 Unit *<u>Prerequisite</u> – Enrollment is conditional upon getting recommended by your 11th Grade U.S. History teacher.* **☐ NCAA Approved Course**
Modern European History Advanced Placement is a college-level survey course of European history from the 14th century to the present. It requires extensive reading in primary and secondary sources, essays and critical thinking. We deal with politics, economics, diplomacy and intellectual and cultural movements. This course will be limited to those who have shown a willingness to do advanced work in the field of history. All students are required to take the Advanced Placement examination in May. Students should be able to do substantial reading and respond to analytical questions. This course satisfies the Participation in Government requirement. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

Advanced Placement Macroeconomics [AP Macro] (Open to 12th grade only) Full Year - 1 Unit - This course satisfies both an economics and a P.I.G Credit
AP macroeconomics will explore the principles of economics that apply to an economic system as a whole. Students will use graphs, charts, and data to analyze, describe, and explain economic concepts. Students will define economic principles and models, explain given economic outcomes, determine outcomes of specific economic situations and also model economic situations using graphs or visual representations. Major units covered will be: Basic Economic Concepts, Economic Indicators and the Business Cycle, National Income and Price Determination, Financial Sectors, Long-Run Consequences of Stabilization Policies and International Trade and Finance. This course will satisfy the required Economics course all seniors must complete. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

Advanced Placement Psychology [AP Psych] (12th grade students) Full Year – 1 Unit Prerequisite – Enrollment is conditional upon getting recommended by your 11th Grade USH teacher. **☐ NCAA Approved Course**
The Advanced Placement Psychology course will introduce the systematic and scientific study of the behavior and mental processes of human beings at the college level. Included will be the study of the psychological principles, facts, and phenomena associated with each of the major fields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice. The aim is to provide a learning experience similar to that in a college-level introductory psychology course. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100)**.

Economics (12th grade only) One Semester-½ Unit ☐ NCAA Approved Course
The study of economics has a significant and long-term impact on the lives of students. Students will encounter various economic concepts, principles, and issues. From personal income and property taxes to automobile loans to retirement investments, students learn to apply the basic economic concepts, understandings, and skills from the curriculum. An understanding of basic economic concepts such as supply and demand, opportunity costs, recession, the business cycle, resources, scarcity, and economic growth will enable students to analyze local, state, national, and international economic questions and issues.

Participation in Government: Anthropological Perspectives
(Open only to 10th – 12th grades) One Semester-½ Unit
☐ NCAA Approved Course
Anthropology is the study of humans. This course presents the student with a broad introduction to the study of anthropology, exploring physical and cultural anthropology as well as archeology in pursuit of a central question: what does it mean to be human? Some topics to be covered include: the development of the field of anthropology, human origins, hunter-gatherer groups, comparative religion, cultural sub-groups and ethnography. The course will culminate in the student creation of a short ethnographic film.

Participation in Government: Sociology
(Open ONLY to 11th and 12th grades) One Semester-½ Unit
☐ NCAA Approved Course
Sociology is the study of how people behave when they are members of groups. Social issues such as gerontology, human sexuality, crime and homelessness are investigated. The aim is always to understand the functions of groups, how groups relate to each other, how the members of a group affect the group as a whole, and how the group itself affects its members. Students will read, do research, conduct interviews, and discuss career possibilities in the field.

Participation in Government: Criminal Justice in America
(Open ONLY to 11th and 12th grades) One Semester-½ Unit
☐ NCAA Approved Course
The focus of this course is on deviant behavior and the criminal justice system in our country today. Students study all aspects of the system, including causes of crime, incarceration, punishment and rehabilitation. Special attention is given to criminal procedure, police, the trial process and corrections.

Participation in Government: Peer Leadership Full Year-1 Unit *Prerequisite: Selected into the course by faculty*
This course was instituted through the Princeton Center for Leadership Training. A wide range of seniors (24) will be selected and trained in peer counseling to work once a week with ninth graders. The purpose is, through providing a positive role model, to raise the self-esteem level of students, and to help the ninth graders adjust to high school. Peer Counselors will have to undergo extensive training.

Participation in Government: Psychology for You (Open 10th - 12th grades) One Semester-½ Unit
☐ NCAA Approved Course
Psychologists differ about why we behave as we do. Do we learn to be fearful, trusting, insecure, schizophrenic, or are internal psychological factors responsible for such behavior? Are there other explanations? In addition to dealing with these problems, the course will also look at some of the current popular "treatment" vogues. Methods used will be discussion, experiments, research, surveys and interviews.

Participation in Government: Trial Law (Open to all grades) One Semester-½ Unit
☐ NCAA Approved Course
Trial Law helps students gain valuable insight and understanding into the legal mechanisms through which society resolves many of its disputes. While learning the details of the trial process, students will also develop the skills of critical analysis, listening, questioning, oral presentation and extemporaneous speaking. The class will conduct a series of mock trials and the students will participate as lawyers, witnesses, and judges.

Modern Middle Eastern History
(Open to all grades) One Semester – ½ Unit **☐ NCAA Approved Course**
This course examines the history of the Middle East from 1919 to the present. Its geographic focus will be Egypt, the Fertile Crescent, the Arabian Peninsula, Iran and Turkey. We will keep a few broad questions in mind as we follow the political and social developments of the region: (1) What has been the relationship between Islam and politics in the Middle East since 1919? (2) What impact did western imperialism and the process of decolonization have on society and politics in the Middle East? (3) How did Zionism and the creation of Israel change the political and social landscape of the region? (4) What changes did the discovery of and the increase in worldwide demand for OIL bring and how has it drawn the US into regional affairs? (5) How was September 11, 2001 a product of the events in the Middle East since the collapse of the Ottoman Empire in 1919.

The Power of Protest: The History of Social Reform Movements in the US- One Semester-½ Unit (Open to all grades) *Offered in the Spring Semester
[NOT OFFERED IN 2026-2027 SCHOOL YEAR]
This course addresses in depth the origins, development, and cross-cultural influences of social movements from the early nineteenth century to the present. It also examines the indigenous historical antecedents of social reform movements such as the Second Great Awakening and the Progressive Movements as well as those emanating from countries outside the United States (international labor organizations, social communes, etc.). To a lesser extent, this course will also explore the interplay of social reform movements in- and outside the United States.

Arts Perspectives One Semester-½ Unit (Open to all grades; priority given to 9th and 10th grades) *Offered in the Fall Semester
[NOT OFFERED IN 2026-2027 SCHOOL YEAR]
Human history is reflected in the creativity of its peoples. This course will explore the artistic expressions of several different societies around the world from an historical point of view. Classwork will consist of analyzing cultural artifacts, music, and theater with attention to understanding the societies that inspired them. In addition to student presentations and course lectures, this course will also provide students with an opportunity to express themselves artistically and to visit area museums and cultural institutions.

Syracuse University Project Advance (SUPA) College Learning Strategies (open ONLY to 11th & 12th Grades) One Semester-½ Unit
Prerequisite*- *Because this is an applied course, students must be enrolled in at least one other AP or SUPA course prior to enrolling in this class (the course may be in any discipline). A teacher recommendation is also required for enrollment.
SUPA College Learning Strategies is a course which offers high school upperclassmen the opportunity to study and apply strategic approaches to learning in preparation for their college experience. Students who successfully complete the course will earn 3 college credits from Syracuse University. Strategies are presented in class and practiced in order to maximize students' learning in the context of lectures, readings, recitation, and independent learning situations. The course content is based on the application of strategies to the learning requirements of the courses that students are currently enrolled in. Course sessions are a series of lectures, discussions, cooperative learning exercises and one-on-one conferences. Major units include time management, note-taking, exam preparation, overcoming procrastination, motivation, stress management and self-assessment. The primary goal is to have students maximize their learning in college. An awareness of how we individually learn is examined through the development of a variety of learning strategies. Strategies will be explored in the following ways: (1) what they are, (2) how to use them, (3) when to use them, (4) why they are effective and (5) how to adapt them. Students will create

their own strategies by defining their goals, selecting strategies, implementing them, and evaluating their effectiveness in their courses.

Participation in Government: Contemporary Politics (Preference is given to 9th-11th grades) One Semester-½ Unit ☐ **NCAA Approved Course**

This course is geared primarily to grades 9-11. We will study the important United States domestic and foreign policy developments. Students will read a variety of news periodicals including national and local newspapers, online journals and blogs. Weekly student seminars allow students to explore the relationship between power, government, and media representation. Students will also develop skills in participating in government and expressing themselves politically. Students may take this course multiple times for ½ credit each semester.

Women, History and the World One Semester-½ Unit (Recommended for 9th and 10th grades) [NOT OFFERED IN 2026-2027 SCHOOL YEAR]

☐ **NCAA Approved Course**

This course will address the question "What role have women played in the development and advancement of society?" Through the exploration of women's experience throughout history and across the globe, we will analyze the roots of the contemporary women's movement, the impact of that movement on the global status of women, and the various issues women face in the world today. Because the study of women is an active, ongoing subject, course readings will be a mix of historical analysis and contemporary perspectives. Students will also have the opportunity to pursue an independent research project on a women's studies topic of their choice. The course will be structured as a seminar, allowing for extensive class discussion. Women, History, and the World is designed as a complement to the World History 2 and US History courses.

The Two Americas One Semester-½ Unit (Recommended for 9th and 10th grades) [NOT OFFERED IN 2026-2027 SCHOOL YEAR]

☐ **NCAA Approved Course**

This class is designed to illustrate to students the ever-present complexity of the relationship between Latin America and the United States. As the title of the course suggests, there are two Americas: one Latin American, the other North American. The Two Americas are constantly in tandem with one another. The class will further explore the continuing U.S. hegemony in Latin America - how the United States has been involved explicitly and implicitly with Latin American political, social, and economic affairs. This course will provide students with a multicultural perspective of history - learning about the "other" America as they exercise critical thinking and evaluative skills. It will also prepare them for the Regents as we continue to explore the common themes of political systems, world beliefs, geography, power struggles, and social class systems in Latin America. A goal of the class is to demonstrate to students the growing global interdependence in our world today. We will explore the region before Columbus' arrival, during colonial times, at the height of US influence, and today's current events.

MATHEMATICS

The mathematics program equips students with a quantitative understanding of their environment. Although the curriculum is developed locally, all of the mathematics classes at Hastings fit within the State learning standards. These standards lay out both content sequences and expectations of practice. Each of our courses emphasizes this set of essential skills, taken from the practice standards:

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

In general, students need 3 credits in mathematics and a passing score on at least one of the three state regents exams in order to graduate with a regents diploma. Most students will take the Algebra regents exam to satisfy the graduation requirement. Some students will take this exam in middle school, others will take this exam in high school.

Calculators: students need a graphing calculator for all four years of mathematics. This calculator does far more than calculations. It serves as a mobile laboratory for exploring mathematics. The math department uses and supports the TI-Nspire from Texas Instruments. The machine costs about $150, is durable and rechargeable. This calculator is appropriate for all of our mathematics classes and can be used on the ACT and SAT exams. The expectation is that **students will provide their own calculator**; this ensures that they have one available for homework and study as well as for use in the classroom. Families that cannot provide students with calculators can apply for the loan of a calculator for the school year directly to the chairperson or through their child's math teacher.

Courses:

Pre-Algebra, Algebra,
Math 2, Geometry, Geometry Honors
Math 3, Algebra 2, Algebra Honors
Pre-Calculus and AP Precalculus
Calculus, AP Calculus AB, AP Calculus BC, AP Statistics, AP Computer Science*

In addition, we offer semester based electives that run depending on student interest and the availability of staff: The Visual Beauty of Mathematics, Data Analysis, and JAVA Programming*

**Computer science courses are for general graduation elective credit, not math credit.*

Pre-Algebra **1 math credit**

This establishes a foundation for regents-level algebra by focusing on the transition from concrete to abstract analysis. Students cannot opt into this course; placement in this course is determined by the district, only.

Algebra I **1 math credit**

☐ **NCAA Approved Course**

This course is based on the New York State learning standards for Algebra. Topics include the study of functions, including regression analysis, graphical analysis, as well as the manipulation of equations. Students develop fluency in both problem-solving and in algebraic procedures. Students will need a graphing calculator and there is a regents exam in June. A passing grade in the course and on the exam are required for graduation.

Principles of Geometry (formerly Math 2) **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: Students must pass Algebra 1. This course does not satisfy the prerequisites for Algebra 2. The topics course is an exploration of high school level geometry through small-group work, projects, and technology. This course is intended *as an alternative* to the regents curriculum for students who benefit from a specific and extended focus on essential concepts. Students typically move from this class to Math 3 if they choose to continue study in mathematics.

Geometry **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: Passing grade in Algebra 1 and passing grade on Algebra 1 Regents.
Students who achieve a 75 class average in Algebra and score a 70 on the Algebra Regents demonstrate proficiency in the course material necessary to successfully complete Geometry. Any student who has NOT demonstrated this proficiency level will be co-enrolled in math AIS to access the necessary support. This course is based on the New York State learning standards for Geometry. Students use visualization and spatial reasoning to analyze the properties and characteristics of geometric shapes, identify and justify geometric relationships, and analyze symmetry. A graphing calculator is required for many of the topics in this class. Students usually enroll in an Algebra 2 class the following year. There is a department midterm and final exam.

Geometry Honors **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: Students are eligible with a final average of 85 or higher in Algebra 1, a score of 70 or higher on the Algebra 1 Regents Exam, and a teacher recommendation. This is the honors level version of the Geometry class described above. It is intended for students who have a keen interest and aptitude in mathematics. Students at the honors level explore additional topics and at a deeper level. A graphing calculator is required for many of the topics in this class. Students usually enroll in an Algebra 2 class the following year. There is a department midterm and final.

Principles of Algebra 2 (formerly Math 3) **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: Students must have two mathematics credits before enrolling, including a passing grade on the Algebra regents exam. This course examines function families, including their typical behavior algebraically and graphically. Students learn analytic techniques that allow us to determine the key characteristics of a given function. This course is an *alternative* to the regents curriculum for students who benefit from a specific and extended focus on essential concepts. This course does not meet the prerequisites for Precalculus.

Algebra 2 **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: Successful completion of Geometry. Students who achieve a 75 Geometry class average and a 70 Algebra Regents score demonstrate proficiency in the course material necessary to successfully complete Algebra 2. Any student who has NOT demonstrated this proficiency level will be co-enrolled in Math AIS to access the necessary support. This course integrates the studies of intermediate algebra, trigonometry and statistics. Topics include complex algebraic functions, systems of equations and inequalities, polynomials and radicals,

trigonometric functions, trigonometric applications, trigonometric identities and equations, exponents and logarithms, statistical analysis, curve fitting and models, and elementary function theory.

Algebra 2 Honors **1 math credit**

☐ NCAA Approved Course

Prerequisite: Students are eligible with a final average of 85 or higher in Geometry Honors or 90 or higher in Geometry, a score of 70 or higher on the Algebra 1 Regents Exam, and a teacher recommendation**.** This is the Honors level version of the Algebra 2 course described above. It is intended for students who have a keen interest and aptitude in mathematics. Students at the honors level explore additional topics, and at a deeper level. A graphing calculator is required for this class. There is a department midterm and final. Students generally enroll in Pre-Calculus or AP Pre-Calculus after Alg2H.

Pre-Calculus **1 math credit**

☐ NCAA Approved Course

Prerequisites: Successful completion of Algebra 2 with a 75 or higher average and a teacher recommendation. This is a full-year elective course for students who want to continue their study of mathematics in high school. Pre-Calculus extends the analysis of functions and their associated characteristics with an emphasis on the interplay between numerical, algebraic, and graphical interpretations of functions. Note: This course is excellent preparation for AP Statistics and for Calculus. It is not appropriate preparation for AP Calculus. Students need to provide their own graphing calculator. There is a department midterm and final.

AP Pre-calculus **1 math credit**

Prerequisite: Grades of 85 in Algebra 2H or 90 in Alg2 and a teacher recommendation. This course emphasizes the algebraic manipulation of functions, equations, and expressions. You'll also develop an understanding of modeling and functions, and examine scenarios through multiple representations. Rather than a hunt for answers, Precalculus is about communicating solutions with precise language, and providing rationales for your conclusions. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100. The AP score on this class determines a student's placement in AP Calculus).**

Calculus **1 math credit**

☐ NCAA Approved Course

Prerequisite: Successful completion of Pre-Calculus or AP Pre-Calculus with a 75 or higher average and a teacher recommendation.This class is a natural continuation of the study of functions and their behavior from Pre-Calculus. Topics include the study of derivatives and integrals, the accumulation of area under a curve. This class is intended to provide an introduction to the richness of calculus for students who are interested in continuing their study of mathematics but who are not interested in the rigor of the Advanced Placement program. Students need to provide their own graphing calculator. There is a department midterm and final.

AP Calculus AB **1 math credit**

☐ NCAA Approved Course

Prerequisite: A score of 3, 4, or 5 on the AP Pre-Calc exam and a teacher recommendation. This is an introductory course in college- level Calculus. Topics include functions, limits, continuity, derivatives and integration of single variable functions, and applications to problem solving. The curriculum follows the College Board guidelines and is intended for students with an avid interest in mathematics. Students are required to take the AP exam in May. A calculator is provided for use during the year. In addition to the AP exam, there is a department midterm and final. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

AP Calculus BC **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: A score of 4 or 5 on the AP PreCalc exam and a teacher recommendation. Mastery in Pre-Calculus Honors and a teacher recommendation. This course covers the material in two semesters of college calculus. In addition to the topics in the AB course above, it includes additional mathematics, such as the study of parametric, polar, and vector defined motion, as well as the Taylor and McLaurin series. This is a challenging course intended for students intent on further study in mathematics. There is a department midterm and final. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

MATHEMATICS ELECTIVES

Data Analysis Semester **½ math credit**

Prerequisites: two years of mathematics credits, and must be a junior or senior.
The analysis of data is deeply embedded in our society; it is one of the branches of mathematics that deals explicitly with the real world. The emphasis in this course is on critical thinking; we use a variety of real world activities to understand the role and power of statistical thinking. This course is intended to supplement a student's mathematics journey through high school rather than as a replacement for a traditional course.

The Visual Beauty of Mathematics Semester **½ math credit**

[NOT OFFERED IN 2026-2027 SCHOOL YEAR] Prerequisites: two years of mathematics credits, and must be a junior or senior. From Fibonacci to fractals, mathematics and art are inseparable. This is a hands-on course - we design our own paper tiles, create our own coloring schemes, and make prints of numbers that don't exist. This course is intended for students who are looking for an alternative to traditional mathematics.

Financial Algebra Semester **½ math credit**

Prerequisites: Successful completion of Algebra 1, and must be a junior or senior. The semester-long course covers all of the essential topics necessary to give high school students the essential knowledge and skills needed to navigate the landscape of personal finance. It focuses on building a foundation in mathematical concepts specifically tailored to practical financial scenarios, ensuring students develop the critical skills required for making sound financial decisions. Students will explore a range of topics such as budgeting, banking, managing credit, investing, understanding taxes and more…

Java Computer Programming **½ elective credit (no math credit)**

[NOT OFFERED IN 2026-2027 SCHOOL YEAR]

Prerequisite**:** 85 or higher in Algebra 1 and must be a junior or senior.
Note: you cannot take the AP Computer Science Principles if you enroll in this course. This course pulls out the programming piece from our AP course and makes it available as an elective. Students are introduced to the fundamentals of JAVA programming through a variety of applications, such as coding games, phone apps, and abstract art. This course is an introduction to programming using a readily accessible language.

AP Statistics Full Year **1 math credit**

☐ **NCAA Approved Course**

Prerequisite: Grades of 85 in Algebra 2H or 90 in Algebra 2 and a teacher recommendation.
This is an introductory course in college level statistics. The course is divided into four major

strands, namely, exploratory analysis, planning a study, probability, and statistical inference. All students take the AP examination in May. Technology is used extensively throughout the curriculum. Students need to provide their own graphing calculator. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

AP Computer Science Principles 1 elective credit (no math credit)

Prerequisite: Grades of 85 in Algebra 2H or 90 in Algebra 2 and a teacher recommendation. Note: This course is not available to students who have taken the Computer Programming elective. Choose one or the other. This course introduces essential ideas of computer science with a focus on how computing can impact the world. Along with studying the fundamentals of computing, you will create technology that has a practical impact and gain a broader understanding of how computer science impacts people and society. You will learn how to code in Java and Python In addition to taking the AP exam in May, you will submit a computer program directly to the College Board as part of a digital portfolio. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

SCIENCE

The Science Department provides the full range of science courses as recommended by the New York State Board of Regents and additional courses for elective or advanced study in science. To obtain a Regents diploma, a minimum of 1 Regents exam must be passed with a grade of 65 or higher (in either a physical or life science). To obtain an Advanced Regents diploma, a minimum of two Regents exams must be passed with a grade of 65 or higher (1 in physical science and 1 in life science). In addition, three years of science must be successfully completed as part of the graduation requirements (for additional information, see the table on "Diploma Requirements" in the beginning of this booklet). All students will take Earth and Space Sciences in the 8th grade as a high school course for high school credit. College preparation is best accomplished by a four year sequence of study of core courses that includes Earth and Space Sciences, Biology, Chemistry, and Physics.

General science sequence for high school students

8th grade: Earth and Space Sciences taken for high school credit
Year 1: Biology with Laboratory
Year 2: Chemistry with Laboratory; any of the listed electives
Year 3: Physics *or* AP Biology *or* AP Physics 1 or C *or* AP Chemistry *or* AP Environmental Science, all with laboratory, or any of the listed electives
Year 4: Physics *or* AP Biology *or* AP Physics 1 or C *or* AP Chemistry *or* AP Environmental Science, all with laboratory, or any of the listed electives

If the student's schedule permits, and if the prerequisites have been met, electives may be taken simultaneously with Biology, Chemistry, or Physics. Advanced Placement Courses may be taken once the student completes Chemistry.

CORE COURSES: Earth and Space Sciences, Biology, Chemistry, Physics

The core courses of Earth and Space Sciences, Biology, Chemistry, and Physics include project work, laboratory exercises, and computer lab work. Earth and Space Sciences and Biology classes will culminate in a Regents exam. Chemistry students will take a local final examination during final exam week. The New York State Board of Regents requires a minimum of 1200 minutes of laboratory work and clearly written lab reports, in order for a student to be admitted to the Regents examination. Curriculum Resource Guides can be found at the New York State Education Department website (www.nysed.gov). Physics will end with a final exam during the AP exam period and a final project in June.

Earth and Space Sciences (with Lab) Full Year (8th Grade) - 1 Unit
☐ NCAA Approved Course
This course will follow the new New York State Science Learning Standards. This course is a study of the earth's processes and includes a detailed study of the following seven units: Origin of the Universe and Our Solar System; Earth's Interior and Plate Tectonics; Landscapes and Surface Processes; Geologic History and the Evolution of Life; The Earth-Sun-Moon System; Weather; and Geography, Climate and Human Systems. The curriculum covers the New York State Syllabus, as well as additional enriching topics. Topics covered through the year include: Density, Minerals, The Rock Cycle, Plate Tectonics, Earthquakes, Volcanoes, The History of the Earth, Weathering and Erosion, Meteorology, Astronomy,and Oceanography.

Biology (with lab) Full Year - 1 Unit
☐ NCAA Approved Course

This course is designed to provide a broad introduction to the fundamental principles of life science and will follow the new New York State Science Learning Standards. The curriculum covers eight units, including: Characteristics of Life; Nutrients, Energy and Biochemical Processes; Homeostasis in Human Body Systems; Disease and Disruption of Homeostasis; Comparative Reproduction; Genetics, Biotechnology, and Decision Making; Ecosystems and Invasive Species; and Climate Change and Human Impact.

Chemistry (with lab) Full Year - 1 Unit
Prerequisite: Successful completion of Biology and Algebra 1, passing score on the Biology and Algebra 1 Regents (65 or higher).
☐ **NCAA Approved Course**
This course of study presents a modern view of chemistry. The outline of topics provides the unifying principles of chemistry together with their related facts. It covers the New York State Syllabus, as well as enriching topics. The following principles are basic to the understanding of our environment: Matter and Energy, Atomic Structure, Bonding, Periodic Table, Mathematics of Chemistry, Kinetics and Equilibrium, Acid-base theories, Redox and Electrochemistry, Organic Chemistry, Nuclear Chemistry, Application of Chemical Principles, and Enrichment Topics.

Physics (with lab) Full Year - 1 Unit
Prerequisite: Successful completion of Chemistry and a teacher recommendation.
☐ **NCAA Approved Course**
This course presents a modern view of physics with an emphasis placed on the fundamental concepts underlying this science. The New York State-based syllabus is designed to encourage the utilization of such basic concepts as the conservation of energy; conservation of momentum and charge; motion and force in one and two dimensions; universal gravitation; work, power, momentum & energy; waves, sound, and light; circuits and electromagnetism; and modern atomic theory. This approach promotes an appreciation of the unity of physics.

SCIENCE ELECTIVES

Please carefully note the requirements for each individual elective.*

Science Research (3 Year Commitment) - 1 unit/year for a total of 3 Units
Prerequisite: Earth Science, Living Environment, and Chemistry (Chemistry must be taken in conjunction with the first year of science research in sophomore year); grade of 85% or better in regents courses. ***An application will be required for admittance.*** *Freshman only can apply to Science Research.* The application process will begin in January of freshman year. *Up to 12 college credit hours from SUNY Albany (at cost, financial assistance may be provided as needed) will be available over the three years.*

This elective is a three year course (sophomore, junior and senior year) with the goal of performing authentic science research. The class will teach the scientific process including topics such as how to perform a literature review, how to read a peer-reviewed scientific article, and how to write a research paper. Students will be required to find a mentor to guide them through an authentic research experience and will be expected to collect data during the school year and/or over the summer between their sophomore and junior, and junior and senior years.

In their junior and senior years students will write a research paper and create a PowerPoint and poster presentation based on their research. Students will have the opportunity to submit their research to the major science competitions such as Regeneron STS, GENIUS Olympiad, the Westchester Science Symposium and the Regeneron-Westchester Science and Engineering Fair (WESEF).

All sophomore students will be required to present at the Somers Science Fair the first weekend in June. Sophomores, juniors and seniors are required to present at our annual Science Research Symposium at the beginning of June. Students are required to pay registration fees for the Somers Science Fair (~$35.00) and WESEF (~$90.00). Financial assistance may be provided as needed.

Biology Advanced Placement (with lab) Full Year - 1 Unit *Prerequisite: Chemistry with a grade of 85% or better.*

☐ NCAA Approved Course

This course is designed to be the equivalent of the first year of college-level introductory biology. It includes those topics regularly covered in such a course: molecules and cells, genetics and evolution, organisms and populations. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

Chemistry Advanced Placement (with lab) Full Year - 1 Unit *Prerequisite: One year of Chemistry with a course and Regents exam grade of 85% or better. Recommended: One year of Physics with a grade of 80% or better.*

☐ NCAA Approved Course

The Chemistry Advanced Placement course is the equivalent of a college introductory course in Chemistry. Topics covered are extensions of concepts in basic chemistry: Thermochemistry, Gas Laws, Electronic Structure of Atoms, Covalent and Ionic Bonding, Liquids and Solids, Solutions, Kinetics, Equilibrium, Acids and Bases, Redox Reactions, Organic Chemistry and Nuclear Chemistry. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

Environmental Science Advanced Placement (with lab) Full Year 1 Unit *Prerequisite: Living Environment with a grade of 80% and 1 year of Chemistry.*

☐ NCAA Approved Course

The AP Environmental Science course enhances student awareness of their living environment. The material covered is the equivalent of an introductory environmental science course taken in college. Some of the important topics covered will be: ecosystems and biodiversity, populations, land and water use, energy resources and consumption, atmospheric pollution, aquatic and terrestrial pollution, soils, climate change, and ozone depletion. This course will address these environmental issues and allow students to formulate opinions and ideas concerning causes, prevention and remediation. In addition to providing a global perspective, this course will allow students to make a connection between their local community and its environment. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

AP Physics C: Mechanics (with Lab) Full Year–1 Unit *Prerequisite: One year of Chemistry with a grade of 85% or better. Previous completion or co-enrollment in Calculus (non-AP or AP) is required. No prior coursework in physics is necessary. The course applies both differential and integral calculus, is fast paced, and provides instruction in each of the content areas outlined below. Students should choose between AP Physics 1 and AP Physics C. Students should not plan to take both courses.* **(Students must take the AP exam if they are registered for this class. The cost of each exam is $100).**

Introduction to the principles of classical mechanics using calculus. Emphasis on understanding the fundamental concepts through mathematical analysis.

- Kinematics
- Newton's laws of motion
- Work, energy and power
- Systems of particles and linear momentum
- Circular motion and rotation
- Oscillations and gravitation

AP Physics C is equivalent to a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. A minimum of 20 percent of instructional time is devoted to hands-on and inquiry-based laboratory investigations. Class participants will prepare for the Mechanics Exam administered in May.

AP Physics 1: (with Lab) Full Year–1 Unit *Prerequisite: One year of Chemistry with a grade of 85% or better. Prerequisite of Algebra 2. No prior coursework in physics is necessary. This course focuses on the theoretical ideas of physics and supports them with algebraic, non-calculus math. Students should choose between AP Physics 1 and AP Physics C. Students should not plan to take both courses.* **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**
☐ NCAA Approved Course

Introduction to the principles of classical mechanics and foundational physics concepts. Emphasis on exploring fundamental principles through practical applications and real-world examples.

- Kinematics
- Dynamics
- Circular Motion and Gravitation
- Energy
- Momentum
- Simple Harmonic Motion
- Torque and Rotational Motion
- Fluids

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, and conservation. Class participants will prepare for the AP Exam administered in May.

Culinary Chemistry One Semester-½ Unit
☐ NCAA Approved Course
In this course, students work as chefs and scientists to uncover the chemistry behind cooking and baking techniques. Students will have the opportunity to test their own ideas and answer their experimental questions in our classroom kitchen. This course prepares students for a lifetime of creative and independent cooking thanks to developing a strong foundation in why different ingredients and cooking techniques are used in a variety of dishes. Previous topics studied include perfecting the chocolate chip cookie, hand-making fresh pasta, preparing stir-fries, using chemical reactions to make popping boba, and creating dumplings from scratch. Students are encouraged to share their culinary goals so that this course can provide more personalized learning experiences.

Deep Space Astronomy One Semester-½ Unit *Prerequisite: Earth Science*
☐ NCAA Approved Course [NOT OFFERED IN 2026-2027 SCHOOL YEAR]
One of the contemporary frontiers of science is the examination of the origin, expansion, and composition of the universe. Topics such as Black Holes, Galactic Clusters, Supernovae, Nebulae, Quasars, Pulsars, and theories of interstellar "Dark Matter" capture our curiosity regarding Deep Space Astronomy. Investigation of these topics using definitive information resources such as textbooks, journals, magazines, and the Internet will help separate fact from fiction. This course will promote individual investigation, project-based learning, and teamwork on broad research projects, which will help us answer the question, "where in the world is our world."

Disease and Society - One Semester-½ Unit *Prerequisite: Living Environment/Biology*
☐ NCAA Approved Course
Whether in time of peace, or time of war, microorganisms have been one of humanity's greatest enemies. For eons, these single-celled creatures, from the plague to anthrax, have been manipulating people to be their reproductive hosts who transport them to all inhabited places on the earth. In this course, we will study a wide variety of topics, such as, the history of disease and prevention, attempts at worldwide eradication, bacterial/viral biology, bio-terrorism, and biochemical warfare.

Introduction to Forensic Science - One Semester - ½ Unit *Prerequisite: Living Environment/Biology*

☐ NCAA Approved Course

Forensic science is an ever-changing field that has spurred much interest in popular culture. Recent advances in scientific methods have had an enormous impact on the entire criminal justice system. This course is designed to introduce students to the basics of forensic science including the many scientific concepts, methods and practices used to analyze physical evidence. Introduction to Forensic Science will help provide an understanding of the science of crime detection. Laboratory experiments will be done including handwriting analysis, fingerprint analysis, blood spatter, and various crime scene activities. Students will also view several videos from the many investigation shows on television, allowing for a better understanding of the procedures used in analyzing crime scenes. **PLEASE NOTE - If you are at all sensitive to watching and/or speaking about crimes, blood etc, please consider a different elective. Documentaries, shows and conversations can be somewhat graphic.

Genetics One Semester – ½ Unit *Prerequisite: Living Environment/Biology*

☐ NCAA Approved Course

Genetics is a rapidly advancing field of science with implications for human health and food systems as well as wildlife science. This course examines how molecular information determines the appearance and behavior of living things and how this information is transferred from one organism to another. Course topics include DNA replication, gene expression, chromosomal structure, population genetics, evolution, biotechnology, gene therapy and current laboratory techniques used to study genetic material and heredity in living organisms. Students will follow current events in popular media and will complete a series of individual or partner projects to gain a deeper understanding of topics of interest .

Anatomy and Physiology One Semester - ½ Unit *Prerequisite: Living Environment/Biology.*

☐ NCAA Approved Course

There is only one Anatomy and Physiology class. The same class is offered both semesters. The class includes topics involving anatomical terminology, histology and most of the major body systems. These systems will include the muscular, skeletal, nervous, integumentary, digestive, cardiovascular,and respiratory. Students will learn with the help of hands-on labs, projects, reading materials, study guides, videos, worksheets, team work, and assessments. The course will provide students interested in the medical and health professions an opportunity to learn about the body systems in greater detail. THERE IS DISSECTION INVOLVED WITH THIS CLASS.

Robotics One Semester – ½ unit *Prerequisite: None*

[NOT OFFERED IN 2026-2027 SCHOOL YEAR]

This course provides an introduction to robotics for students with no programming background using LEGO MINDSTORMS EV3 kits. Students will learn to construct, control and program these robots through investigative and exploration activities. Research projects will expose the students to the engineering process.

Course Objectives:

1. Introduce students to programming mobile robots using LEGO MINDSTORMS EV3:
    - Motors and rotation, and sensors (sound, light, touch and ultrasonic)
    - Programming using the NXT-G graphical programming language
    - Robot navigation and path planning
    - Systems and systems analysis
    - Experimental process
    - Communicating results through formal project documentation
2. Integrate Science, Technology, Engineering & Mathematics using STEM Education concepts: •

Engineering process
• Time management
• Project management
• Problem solving and teamwork

Project Lead the Way (PLTW) - Introduction to Engineering Design (IED)
Full Year Elective- 1 unit
Prerequisite: Successful completion of Algebra 1 and a passing score on the Algebra 1 Regents Exam. This course can only be taken once and is capped at 18 students. Open to grades 10-12.

Engineers make a world of difference! In this introductory course, students explore the engineering design process while applying concepts from mathematics, science, and engineering to solve authentic, real-world problems. Through Project Lead The Way (PLTW)'s activity-, project-, and problem-based (APB) learning approach, students progress from structured activities to open-ended design challenges that foster creativity, critical thinking, and innovation.

Students work independently and in collaborative teams to research, design, test, and refine solutions while documenting their work in engineering notebooks. They also develop technical skills using industry-standard 3D modeling and computer-aided design (CAD) software to communicate and present their designs. Throughout the course, students strengthen problem-solving, communication, teamwork, and professional skills while gaining insight into engineering careers. *College credits available through Rochester Institute of Technology.*

WORLD LANGUAGES

The World Languages Department offers courses in French, Spanish and Latin for beginners as well as for those students who are continuing in their language study from middle school. The programs are designed to develop the four basic skills: speaking, writing, reading, and auditory comprehension through interpretive, interpersonal and presentational modes. Cultural appreciation is an integral part of each course. The curricula are aligned with both state and national standards as established by the American Council on the Teaching of Foreign Languages (ACTFL).

The program is highly academic in nature. It prepares the student for the opportunity to pursue university credit in the upper levels and attain the New York State Seal of Biliteracy during senior year.

It should be noted that it is important to include a world language in a student's high school program. Most colleges and universities require world language credit for admission. Additionally, individuals with communicative proficiency in a language other than English have increased opportunities when seeking employment.

Sequences of Courses

French I, Latin I, Spanish I
A first level course for the beginning student who has had little or no prior instruction in the language.

French II, Spanish II, Latin II
Prerequisite: completion of French/Spanish I, IB, or Latin I. Level II courses are designed to further one's skills in the four aspects of language learning: speaking, listening, reading and writing and cultural appreciation.

French III, Spanish III, Latin III Honors
Level III courses provide intensive study in all areas of language skills. The NYS-approved Checkpoint B benchmark exams are given in June. Latin III students can earn credit through the SUNY Albany University in the High School Program upon successful completion of the courses (at a cost).

French IV Honors, Spanish IV, Spanish IV Honors, Latin IV Honors
Level IV courses are designed to develop advanced proficiency in all levels of communication and serve as a prerequisite to French V Honors and Spanish V Honors. Students can earn credit through the SUNY Albany University in the High School Program upon successful completion of these courses (at a cost).

Spanish V Honors
Prerequisite: Spanish IV Honors
This course is equivalent to a college level course at the Intermediate High Level of the National ACTFL Standards. Students can earn credit through the SUNY Albany University
in the High School Program upon successful completion of this course

French V Honors
Prerequisite: French IV Honors.

This course is equivalent to a college level course at the Intermediate High Level of the National ACTFL Proficiency Standards. Students can earn credit through the SUNY Albany University in the High School Program upon successful completion of this course.

COURSE DESCRIPTIONS

French II **Full Year – 1 Unit**

☐ **NCAA Approved Course**

Prerequisite: French I from middle school with successful completion of the Checkpoint A exam

French II is a comprehensive course designed to further one's skills in the four aspects of language learning: speaking, listening, reading and writing. Emphasis is placed on practical conversation and cultural applications. The course is structured in thematic units based on aspects of everyday life and culture in the French-speaking world. Grammar is studied more in depth and verb study is expanded so that students attain accuracy of expression on a broad range of topics.

French III **Full Year – 1 Unit**

Prerequisite: French II ☐ **NCAA Approved Course**

This course provides intensive study of grammar, composition, conversation and the development of auditory and reading comprehension skills. Emphasis is placed on the communicative value of these skills and their application to practical and realistic situations. The incorporation of various aspects of French culture is an integral part of this course and serves as the foundation for the thematic units. French III, including the successful completion of the NYSAWLA Checkpoint B benchmark exam in French.

French IV Honors **Full Year – 1 Unit**

Prerequisite: French III ☐ **NCAA Approved Course**

French IV emphasizes oral proficiency through exposes, debates, production of student made audio/video tapes as well as free conversation. Advanced listening, reading and writing skills are further developed and enhanced with special attention to correct grammatical usage and accuracy of expression. Films from the French speaking world are incorporated into the program, and students also study original works of French literature. French culture is carefully interwoven into each unit of study. This course is intended to prepare students to continue their study at the French V Honors level. Students will have the opportunity to earn college credit through the SUNY Albany University in the High School program upon successful completion of this course.

French V Honors **Full Year – 1 Unit**

Prerequisite: French IV H ☐ **NCAA Approved Course**

This course is intended for those students who seek to develop their proficiency and skills at an advanced level. It emphasizes the use of the language for active communication with a focus on vocabulary enrichment and self-expression, using the interpretive, interpersonal and presentational modes. French works of modern literature, newspapers, magazine articles and other non-technical writing will be read and discussed. Students will enhance their ability to express themselves in French, both orally and in writing, with accuracy and facility according to state and national standards. Students will also have the opportunity to earn college credit through the SUNY Albany University in the High School program upon successful completion of this course.

Latin I **Full Year – 1 Unit**

Prerequisite: A desire to learn a classical language ☐ **NCAA Approved Course**

In this introductory course, students will learn basic vocabulary, syntax and

inflectional systems orally and in writing. They will also become familiar with classical Roman culture through the study of literature, daily life, myths, architecture, and history. Additionally, they will develop an awareness of Latin roots in English and determine the meanings of words through the study of prefixes, suffixes and specialized vocabulary.

Latin II **Full Year – 1 Unit**

Prerequisite: Latin I ☐ **NCAA Approved Course**

Latin II is a continuation of instruction following Latin I. Students will increase their knowledge of vocabulary, syntax and inflectional systems orally and in writing. They will further their ability to read increasingly more difficult texts in Latin and continue their exploration of Roman culture and literature. Additionally, through their knowledge of Latin, they will increase their English vocabulary and understanding of grammar principles

Latin III Honors **Full Year – 1 Unit**

Prerequisite: Latin II ☐ **NCAA Approved Course**

This intermediate course is designed to build upon the skills developed in Latin II. Students will be introduced to extended reading in authentic Latin and deepen their knowledge of vocabulary, syntax, and inflectional systems orally and in writing. They will also discover the broader aspects of the Latin-speaking world, especially the characteristically Roman arts of politics, war, and administration. At the conclusion of this course, students will sit for the CAWNY Checkpoint B benchmark exam. Students will also have the opportunity to earn college credit through the SUNY Albany University in the High School program upon successful completion of this course.

Latin IV Honors **Full Year – 1 Unit**

Prerequisite: Latin III

In this course, students will deepen their awareness of cultural, political, and literary history of the "Golden period" of Roman literature. Students will develop their reading proficiency through exploration of literary devices of Latin literature, and will further their understanding of the Latin Republic and Early Empire through historical and literary context. Students will also have the opportunity to earn college credit through the SUNY Albany University in the High School program upon successful completion of this course.

Spanish I **Full Year – 1 Unit**

Prerequisite: A desire to learn a foreign language ☐ **NCAA Approved Course**

Spanish I provides an accelerated introduction to the Spanish language. Emphasis is placed on developing audio-lingual skills and building a strong foundation in basic grammatical structures. The course includes intensive preparation of all language skills. The cultures of the Spanish-speaking regions are explored and interwoven into each thematic unit. This course prepares students to continue their study of Spanish in Level 2.

Spanish II **Full Year – 1 Unit**

Prerequisite: Spanish I from middle school with successful completion of the Checkpoint A exam OR Spanish I (HS) ☐ **NCAA Approved Course**

Spanish II is a comprehensive course designed to further one's skills in the four aspects of language learning: speaking, listening, reading and writing. Emphasis is placed on practical conversation and cultural applications. Units are based on thematic topics related to everyday life and cultural aspects in the Spanish-speaking world. Grammar is studied more in depth and verb study is expanded so that students attain accuracy of expression on a broad range of topics**.**

Spanish III **Full Year – 1 Unit**

Prerequisite: Spanish II ☐ **NCAA Approved Course**

This course provides intensive study of grammar, composition, conversation and the development of auditory and reading comprehension skills. Emphasis is placed on the communicative value of these skills and their application to practical and realistic situations. The incorporation of various aspects of Hispanic culture is an integral part of this course, and units are based upon those themes.

Spanish IV **Full Year – 1 Unit**

This course continues the development of students' communication skills in Spanish, with an emphasis on practical listening, speaking, reading, and writing. Students expand their vocabulary and strengthen their understanding of key grammatical structures through class stories, selected readings, short videos, and guided conversations. Classroom activities focus on improving confidence and accuracy in everyday communication. Cultural topics from the Spanish-speaking world are integrated throughout the course to broaden students' global awareness and understanding.

The units of study in Spanish 4 are the same as those in Spanish 4 Honors; however, the baseline skills and target proficiency levels for assessments are adjusted to reflect the goals and expectations of the non-honors track. Spanish 4 is designed to prepare students for continued study in the full year course "Spanish Conversation through Film & Culture".

Spanish IV Honors **Full Year – 1 Unit**

Prerequisite: Spanish III **☐ NCAA Approved Course**

This course emphasizes oral proficiency in Spanish through stories read in class, current news items, Spanish films, as well as free conversation. Advanced listening, reading and writing skills are further developed and enhanced with special attention to correct grammatical usage and accuracy of expression. Students explore original works of Spanish and Spanish American literature, and culture is carefully interwoven into each unit of study. This course is intended to prepare students to continue their study at the Spanish V Honors level. Students will also have the opportunity to earn college credit through the SUNY Albany University in the High School program upon successful completion of this course.

Spanish Conversation and Culture through Film **Full Year – 1 Unit**

Prerequisite: Spanish IV Honors, or may be taken concurrently with Spanish IV Honors (May be taken in lieu of level IV with permission from the teacher, but does not count as a prerequisite for Spanish V Honors.) This course will help students develop cultural awareness and perspective. A variety of historical and contemporary issues related to Spain and Latin America will be explored through Spanish language films. Students will be expected to further develop their conversational proficiency.

Spanish V Honors **Full Year – 1 Unit**

Prerequisite: Spanish IVH

This course is intended for those students who seek to develop their proficiency and skills at an advanced level. It emphasizes the use of the language for active communication with a focus on vocabulary enrichment and self-expression, using the interpretive, interpersonal and presentational modes.. Spanish works of modern literature, newspapers, magazine articles and other non-technical writing will be read and discussed. Students will enhance their ability to express themselves in Spanish, both orally and in writing, with accuracy and facility according to the state and national standards. Students will also have the opportunity to earn college credit through the SUNY Albany University in the High School program upon successful completion of this course.

Spanish for Heritage Speakers **Full Year- 1 Unit**

[NOT OFFERED IN 2026-2027 SCHOOL YEAR] *Offered every other year.

The focus of this course is to improve written and oral communication in Spanish, to enhance Spanish reading comprehension and analytical skills, to build on students' historical and literary knowledge of the Hispanic cultures and traditions around the world, and to prepare students to use their bilingual ability in professional settings**.** The class is

open to native/heritage speakers of Spanish in grades 9-12.

ARTS

Studio Art Full Year-1 credit *No Prerequisite*
This foundation course is for students who like to draw, paint, work with clay, sculpt, and create visual designs. The class covers: the elements and principles of design, how to see as an artist sees, how to make things look "real," working with color, and sculpture. Artist Challenge projects at the end of each unit demonstrate learned concepts and creativity. Students will encounter both art historical images & ideas, as well as explore the content rich world of Contemporary Art. Ultimately, students will think and create like artists. This course fulfills the 1 art credit requirement necessary for graduation, and is a prerequisite for Drawing & Painting.

Digital Studio Art Full Year-1 credit *No Prerequisite*
If you are interested in learning how to make art on the computer, this foundation course is for you. Students will learn how to use Adobe programs Illustrator and Photoshop to explore art concepts and techniques while making their own art. Students will explore the elements and principles of design, art history and art theories by making creative vector and bitmap images. Students will learn how to digitally create the illusion of perspective, modeling, color theory, composition and design basics. This class fulfills the one art credit necessary for graduation, and is a prerequisite for Advanced Media Arts. **Class limited to 16 students in the Media Arts lab.**

Advanced Studio Art 1 - One Semester- ½ credit
Prerequisite: Studio Art (Recommended: Drawing & Painting)
In this course, students explore some new art materials and techniques while continuing to develop artistic skills and build art portfolios. Theme-based lessons focus on particular media but leave ample freedom for individualized style and concepts. Students are encouraged to create visual representations of their personal perspectives, feelings, and ideas. Students continue to learn language for critiquing their own artwork and artwork made by their peers.

Advanced Studio Art 2 - One Semester- ½ credit
Prerequisite: Studio Art (Recommended: Drawing & Painting) & Portfolio Development 1
In this course, students explore some new art materials and techniques while continuing to develop artistic skills and build art portfolios. Theme-based lessons focus on particular media but leave ample freedom for individualized style and concepts. Students are encouraged to create visual representations of their personal perspectives, feelings, and ideas. Students continue to learn language for critiquing their own artwork and artwork made by their peers.

Advanced Digital Studio Art One Semester- ½ credit *Prerequisite: Digital Studio Art*
This is a project based course suitable for students who have successfully completed the foundation-level Media Arts and have an interest in deepening their understanding and skills in using the Adobe Creative Suite for artmaking. In this course, students will be encouraged to create art that deals with personal themes while also delving into commercial art practices.
Class limited to 16 students in the Media Arts lab.

Advanced Placement Art & Design Full Year-1 credit *Prerequisite: 1 unit of study in fine arts*
In this course, a Design portfolio is created for submission and adjudication by the College Board at the end of the year. A score of 3 or more may earn students' college credit. This advanced course is designed for students who love art and want to challenge themselves artistically. Each student will create a comprehensive body of work based on a visual investigation of his/her choice in compliance with College Board requirements. Mastery of content, technique and process is achieved through independent work and class assignments. A substantial amount of work outside of class is necessary to complete the portfolio by May. This is an advanced course and all enrollment must be approved by the art chairperson. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

2-D Video Game Design - 1/2 credit
Prerequisite: Digital Studio Art (can be considered for course pending a portfolio review and department chair approval). This course introduces students to the fundamentals of 2D video game design using the RPG Maker MV game engine. No prior programming experience is required. Students will learn core game design concepts, including storytelling, animation, debugging, and iterative development practices. By the end of the course, students will design and produce a short, fully playable video game compatible with computers, mobile devices, and web browsers. **Class limited to 16 students.**

Animation One Semester- ½ credit *No Prerequisite*
[NOT OFFERED IN 2026-2027 SCHOOL YEAR]
This half-year course introduces students to traditional hands-on animation techniques. Students will learn about character and story design, the narrative arc, and how to create believable character development. Students will use a variety of technology and software, including iPads outfitted with iStopMotion, iMovie, Adobe After Effects and others. **Class limited to 16 students in the Media Arts lab.**

Ceramics I One Semester-½ credit *No Prerequisite*
This half year course is designed to teach students the basics of handbuilding techniques in ceramics. In this class we will use pinch, coil and slab techniques to create both functional and sculptural ceramic pieces. By the end of the course students will be able to work more independently, choosing appropriate clay forming techniques to successfully and creatively express their ideas.

Ceramics II One Semester-½ credit *Prerequisite: Ceramics I*
In this half year course, students will be introduced to the pottery wheel. Students will learn centering techniques as they begin throwing basic forms. They will also continue the exploration of their hand building and sculpture skills. All students will learn new glazing techniques. Students will work with increasing independence, choosing personalized themes and appropriate clay forming techniques to successfully and creatively express their ideas.

Ceramics III One Semester-½ credit *Prerequisite: Ceramics I, Ceramics II*
Emphasis is placed on students developing a series of pieces with a distinct personal style demonstrating creativity and refining design skills. Students may work in hand building or wheel throwing techniques, or a combination of both. Much of the learning process is geared through student-designed projects, collaborative projects, and individualized instruction.

Creative Construction One Semester- ½ credit *No Prerequisite*
In this half year course students will design and build functional art objects. Students will have the opportunity to learn how to use basic power tools like drills, jig saws, and sanders. Through product design projects students will explore construction techniques and materials to create three-dimensional work with materials like wood, found objects, wire, clay, paper mache, and more. This is an excellent course for students interested in a 3-D art sequence.
Class limited to 16 students.

Creative Construction II One Semester- ½ credit *Prerequisite:Creative Construction I*

In this half year course students will expand on the skills and concepts taught in Creative Construction I. Students will continue to explore construction techniques and materials to create three-dimensional work. Students will work with increasing independence, choosing more personalized projects through student designed project proposals. This is an excellent course for students interested in a 3-D art sequence.

Digital Photography 1 One Semester- ½ credit *No Prerequisite*
Students are introduced to the world of digital photography. We cover basic camera settings and exposure controls, image editing and manipulation in Adobe Photoshop. We will also make a study of master photographers from the past and present. This course is strongly recommended for students who are interested in taking AP Photography.
Class limited to 16 students in the Media Arts lab.

Digital Photography 2 One Semester- ½ credit *Prerequisite: Digital Photography*
Students will build on the core techniques and concepts they learned in Digital Photography and experiment with what is possible within the medium. Advanced image capture and image manipulation in Adobe Photoshop will also be covered. We will also make a study of master photographers from the past and present. This course is strongly recommended for students who are interested in taking AP Photography.
Class limited to 16 students in the Media Arts lab.

Drawing and Painting Full Year-1 credit *Prerequisite: Studio Art*
This course is for students who have enjoyed Studio Art, like to work with art materials, and want to continue to build artistic skills and art portfolios. New materials and processes are introduced while familiar techniques and media are revisited and explored in greater depth.There is an increased emphasis on student choice and personal expression. This class is a prerequisite for Advanced Art and AP Studio Art.

Illustration One semester- ½ credit *No Prerequisite*
THIS CLASS IS NOT OFFERED IN 2026-2027 SCHOOL YEAR
Students will create images that tell stories, develop new characters and create advertising for real-life events like the HS musical. In this class, students will learn and use traditional media, drawing, painting, collage, printmaking and digital tools to create their images. Composition, color, light and shadow will be explored as elements to create drama and suspense. Sample projects include children's book illustrations, editorial/political art, posters, and wearable graphics. Emphasis is placed on idea development, and visual communication.

Darkroom Photography 1 One Semester- ½ credit *No Prerequisite*
Photography 1 introduces students to black and white film photography, concentrating on camera settings and exposure control, and film and paper processing and printing in a darkroom environment.
Class limited to 12 students.

Darkroom Photography 2 One Semester-½ credit *Prerequisite: Photography 1*
Students will build on their basic film and camera skills from Photography 1 and expand on them through further experimentation with negatives and printing techniques. This course is strongly recommended for students who are interested in taking AP Photography.
Class limited to 12 students.

Sculpture One Semester- ½ credit *No Prerequisite*
This course introduces students to traditional and contemporary sculptural techniques, concepts, and materials. It is designed for students who like to be creative and build with their hands. Students will gain experience working with a variety of materials such as handmade paper, foam board, wax, plaster, wood, and clay. Students will explore additive and subtractive techniques, assemblage, casting, and modular sculpture to express abstract and representational ideas. Art history and appreciation are used as background and comparison for projects. ***THIS CLASS IS NOT OFFERED IN 2026-2027 SCHOOL YEAR***

Sculpture II One Semester - ½ credit *Prerequisite: Sculpture I*
This course is for students that have completed the Sculpture 1 elective and would like to continue the 3-D art sequence. In this class you will learn new 3-D art making techniques and use old and new materials to design and build sculptures that explore increasingly personal ideas and visions. Students will be given concepts and some assignments but will also have the opportunity to design and create projects based on their personal goals. ***THIS CLASS IS NOT OFFERED IN 2026-2027 SCHOOL YEAR***

Sewing: Construction & Design 1 - ½ credit
No Prerequisite
In this half year course students will be introduced to sewing and construction with fabric. Students will have the unique opportunity to learn how to use a sewing machine and a needle and thread to create functional and wearable art. Students will create drawstring bags, zipper bags, quilted compositions, clothing, and even dye their own fabrics. No previous sewing experience is necessary. **Class limited to 13 students.**

Sewing: Construction & Design 2 - ½ credit
Prerequisite: Sewing Construction & Design 1
In this half year course students will expand on the skills and concepts taught in Sewing Construction & Design 1. Students will work with increased independence, choosing more personalized projects through student designed project proposals. This is an excellent course for students interested in a 3-D art sequence. **Class limited to 13 students.**

Yearbook - 1/2 credit *Prerequisite: Media Arts*
This is a photography and print design focused art class. Students in this class will be photographing their peers, covering school events, and then curating and collecting that content while learning about the elements and principles of print design. If you are interested in working on our high school's yearbook, this is where to go. **Class limited to 16 students in the Media Arts lab.**
[NOT OFFERED IN 2026-2027 SCHOOL YEAR] *WILL BECOME A CLUB

MUSIC

The Music Department desires to make it possible for every pupil to sing, play or listen to music intelligently, to become a more knowledgeable consumer and producer of music according to individual interest and ability, and to make music a pleasurable experience and vital force in the daily lives of our students.

Band Full Year-1 Unit Band is an ensemble class for wind and percussion players that rehearses and performs eclectic repertoire, from classical and concert music to modern pop, Broadway, film, and rock music. Performances include Pep Band for home football games, Winter and Spring Concerts, and biennial music trips to perform at festivals for adjudication. Band and Orchestra split the period, so enrolling in Band provides student with half of a Study Hall: on A-Days, students go to Band for the full period; on C-Days, students go to Band for half and Study Hall for the other half of the period; on E-Days, students go to Study Hall for the entire period. All Students enrolled in Band must ALSO attend two 0-period morning rehearsals per-week. Morning Band meets from 7:25-8:05am on Mondays and Thursdays. ***BAND FRESHMEN ARE REQUIRED TO TAKE THIS CLASS.*** Upper-classmen have the option to attend early morning rehearsals only–aka "Independent Study Band." Enrollment must be approved by Mr. Day.

Orchestra Full Year-1 Unit Orchestra is an ensemble class for string players that rehearses and performs eclectic repertoire, from classical and concert music to modern pop, Broadway,

film, and rock music. Performances include Winter and Spring Concerts, graduation, and biennial music trips to perform at festivals for adjudication. Band and Orchestra split the period, so enrolling in Orchestra provides students with half of a Study Hall; on E-Days, students go to Orchestra for the full period; on C-Days, students go to Orchestra for half and Study Hall for the other half of the period: on A-Days, students go to Study Hall for the entire period. All Students enrolled in Orchestra must ALSO attend two 0-period morning rehearsals per-week. Morning Orchestra meets from 7:25-8:05am on Mondays and Thursdays. ***ORCHESTRA FRESHMEN ARE REQUIRED TO TAKE THIS CLASS.*** Upper-classmen have the option to attend early morning rehearsals only–aka "Independent Study Orchestra." Enrollment must be approved by Mr. Day.

Chorus Full Year-1 Unit Chorus meets two (2) times a cycle during the school day. Membership is open to all students. The literature includes works from many periods, styles, and traditions. The chorus performs at the winter and spring concerts with possible additional performance opportunities.

Music Theory Full Year-1 Unit This course provides a fundamental understanding of music by considering the basics of musical construction, with examples drawn from the history of music. A study of musical notation, interval recognition, elements of pitch and rhythm, scale and chord construction, essential concepts in harmony, and basic musical forms. The student will be able to experience these fundamental concepts using piano and guitar in the music lab

AP Music Theory Full Year-1 Unit This course is designed for students who have taken Music Theory or students who have an advanced background in music performance and/or theory. This class primarily focuses on analysis of classical music from the 18th and 19th centuries. We follow the AP Music Theory curriculum, working towards the exam in the spring. Students will develop and apply their understanding of harmony, melody, musical form, ear training, and more. This is a highly advanced course and all enrollment must be approved by Mr. Day. **(Students must take the AP exam if they are registered for this class. The cost of this exam is $100).**

Madrigals/Select Choir- No Credit The choir consists of selected singers who successfully audition to become members. The repertoire includes material from a variety of genres, all in 4-part harmony. Both traditional Renaissance madrigals and contemporary Acapella music are studied and performed.

Jazz Band- No Credit The high school Jazz Band meets one evening per week. The Jazz Band consists of selected musicians interested in performing contemporary as well as classical jazz. Big band jazz is a primary emphasis. Jazz improvisation is encouraged and all students are given the opportunity to participate in improvisation.

Pep Band- No Credit Pep band is open to any band member and meets at least one evening a week during basketball season. The Pep Band plays for home basketball games.

Recording Technology (grades 9-12) .5 credit *No Prerequisites*
Students will learn about the artistry and the history of recording music. Using the programs Protools and Studio One, they will practice the techniques used by producers and sound engineers to create professional sounding multitrack recordings. By engaging in hands-on projects, they will learn the fundamental concepts of audio engineering. There is also a performance component to the class where students will perform with their classmates in small ensembles.

HASTINGS ALTERNATIVE SCHOOL PROGRAM

(HASP)

The Hastings Alternative School Program (HASP) is an educational program within the traditional high school. Students apply to be part of the program and it is open to tenth, eleventh and twelfth graders. The following courses are offered as part of the HASP program:

Social Studies 10A / World History II - Full Year, 1 Unit: World History 2 is the second year of our survey on World History. We begin with the world in 1750 and end with the study of the contemporary world. The first semester concentrates on the 18th and 19th centuries while the second semester largely concentrates on the 20th century. The course ends with a Regents examination, passage of which is required for graduation. ☐ **NCAA Approved Course**

English 10A - Full Year, 1 Unit: Grade 10 English focuses on developing a growth mindset while strengthening personal writing, reading, and critical thinking skills. Students are encouraged to express ideas creatively while fostering analytic sensibilities. Readings vary in this course but follow some traditional texts like *The Catcher in the Rye.* ☐ **NCAA Approved Course**

English 11A / American Literature - Full Year, 1 Unit: This course builds on English skills by developing student interest and involvement, concentration, and hard work through extensive writing, reading and discussion. The two key goals in 11th grade are the following:

1. Read critically
2. Write clearly

Both goals are addressed through literature: we read and write about novels (e.g., *The Things They Carried* and *Rule of the Bone*), plays (e.g., *A Streetcar Named Desire* and *Death of a Salesman*), and assorted short stories and poems. We also develop skills of research in the third quarter and prepare for the college application process by writing a series of college essays as the year comes to a close. All students take the Regents examination in January, passage of which is required for graduation. ☐ **NCAA Approved Course**

Social Studies 11A / American History 11A - Full Year, 1 Unit: Over the course of the year we will examine the history of the United States through the lens of five American ideals celebrated since the very beginning of this country's formation: equality, rights, liberty, opportunity, and democracy. While many of us think we already know what these concepts represent, a closer look at the political, economic, social and cultural evidence of the past will help you to develop a much deeper and more nuanced understanding of what these ideals actually meant at different points of time and how they changed over time. There is a Regents exam at the end of the course, passage of which is required for graduation. ☐ **NCAA**

Approved Course

English 12A - Two One-Semester Courses, 1/2 Unit Each: The goal of HASP English 12 is to send the student out into the world prepared to enjoy individual reading, to evaluate the messages of our society, and to write well in a variety of forms and situations. The emphasis in this course is upon individual reading and writing. Honing the college essay, frequent journal writing, student initiated paper topics, individual reading and book reports form an important part of the curriculum. In addition, readings and topics of particular contemporary relevance are stressed. The works read, as a group, are mostly by contemporary American writers who address the problems of our society. An independent project and a graduation speech presented to the HASP community complete the course. In the Life Skills portion, students will move through a variety of units that will prepare them for immediately relevant aspects of post-graduation life – whether they plan on directly entering the workforce, enrolling in higher education, or simply taking some time to "figure themselves out." The semester will culminate in each student's HASP graduation speech, which will give them opportunities to hone public speaking and presentation skills. We will spend time working through resume and cover letter writing, as well as practicing how best to prepare for job interviews. Students will engage with local municipalities and gain an understanding of how a "town" operates from the inside out, and develop an introductory understanding of a variety of topics related to finances and general home maintenance. Earlier in the semester, students will work to identify their own understanding of their personal habits, goals, and motivations. ☐ **NCAA Approved Course**

Social Studies 12A - Two One-Semester Courses, 1/2 Unit Each: These courses cover all of the state-mandated topics for the required units of study in Participation in Government and Economics. The Participation in Government course (Criminal Justice in America) is offered during the fall semester, while the economics course (which is required of all seniors, has a large focus on consumer economics and life skills) is available in the spring semester. ☐ **NCAA Approved Course**

Quantitative Reasoning - Full Year, 1 Unit: *This course is intended for students who have already passed the Algebra class and the Algebra exam.* The course emphasizes the degree to which mathematics provides tools for understanding processes and phenomena in the larger world. This is an interdisciplinary math course focused on the application of mathematics as a tool for analyzing real-world phenomena. Each quarter is centered around a specific field of mathematics, including quantitative reasoning, financial modeling, game theory and economic behavior, and big picture problem-solving. (Please note: running this class is contingent upon staffing.)

Work Study - 1/2 Unit per Semester: If you have a paying job that consists of a minimum of 15 hours per week (at least 10 must be during the school week), you can earn credit. New York State Education law allows HASP to give you up to one credit per year for your job.

Community Service - 1/4 Unit per Semester: HASP students may decide to engage in community service within our school (i.e., office helper, teacher aide, etc.).

PHYSICAL EDUCATION

Physical Education is mandated by the New York State Department of Education. Students receive one-half unit of credit per year for four years. Each student's grade is included in his/her GPA. The physical education curriculum is designed to provide students with a wide range of activities in which designed lessons reinforce the benefits of physical fitness, improve physical proficiency, promote teamwork, sportsmanship, and to encourage social and emotional growth of the individual student.

Areas of Study:
Adventure/Outdoor Activities
Individual/Dual Activities
Team Sports
Lifetime Fitness
Rhythms & Dance

All activities taught are based on class size and class make-up and are geared whenever possible to meet the individual needs of each student.

Personal Fitness Assessment Highlights

- Students will participate in a fitness assessment which are tentatively scheduled for the first and fourth quarters
- Lessons and activities will be taught throughout the year to address concepts of exercise physiology and lifetime fitness
- The student will be given the opportunity to learn fitness concepts through the comparison of their assessment results and through reflection of the process.

Medicals:
Students who cannot participate in regular physical education classes due to injury or illness will be required to present a note from a physician to excuse them from class activities. Whenever possible, students will engage in an adaptive or modified program of activities under the supervision of a physician.

Being excused from Physical Education:
Students may be excused from Physical Education for the following reasons:

- Short-term illness or injury lasting no more than one week – A note from a parent/guardian or school nurse is sufficient
- Long-term illness or injury lasting more than one week – A letter written by a doctor excusing the student from activity.
- Class Trip or other School Function – A pass or alert must be provided to the teacher before they may be eligible to be absent.

Students who are unable to participate in class activities due to injury or illness will be placed on a modified Physical Education program in which they will be required to complete assignments in order to be eligible to receive credit for the activity, unit and/or quarter.

Sample Units of Study

Introduction to the Fitness Center – Students will be introduced to the school's fitness center and the possibilities it provides. Activities will build upon prior knowledge of the components of fitness, proper technique, planning and goal setting as well as available local resources. Students are taught the proper techniques with an emphasis on safety. This six-week unit starts with basic techniques of exercise and culminates in an exercise program built on student-choice.

Team sports - Throughout the year students get the opportunity to participate in a variety of team sports. Students will learn the rules of each sport and participate in modified games. By the end of the unit students will be able to organize their teams and officiate their own games.

Cooperative games – This program is designed to challenge students to go beyond their perceived boundaries, to work with others to solve problems, and to experience success. An atmosphere that is fun, supportive, and challenging.

Health Education (Grades 10-12) One Semester-½ Unit Health Education is a required course for graduation. This course introduces to students some of society's health issues by incorporating the following major topics:

- Physical Health
- Alcohol and Drug Abuse
- Emotional Health
- Health for Survival
- Family Life

ENGLISH AS A NEW LANGUAGE (ENL)

The English as a New Language (ENL) Program is committed to helping English Language Learners (ELLs) meet their language proficiency and content area goals through immersive English instruction. Our specialists support ELLs in the domains of reading, writing, speaking, and listening. The primary goal of the program is to support students' ability to master both the social and academic language skills needed to succeed in mainstream classrooms.

Students who are assessed and placed into the program are entitled to receive services according to proficiency level. To exit the program, students must score Commanding on all four sections--listening, speaking, reading, and writing--of the NY State English as a New Language Achievement Test (NYSESLAT) that is administered each year.

Level 1: Entering
A student at the Entering level has great dependence on support and structures to advance academic language skills, and has not yet met the linguistic demands necessary to demonstrate English language proficiency in a variety of academic contexts (settings).

Level 2: Emerging
A student at the Emerging level has some dependence on support and structures to advance academic language skills and has not yet met the linguistic demands necessary to demonstrate English language proficiency in a variety of academic contexts (settings).

Level 3: Transitioning
A student at the Transitioning level shows some independence in advancing academic language skills, but has yet to meet the linguistic demands necessary to demonstrate English language proficiency in a variety of academic contexts (settings).

Level 4: Expanding
A student at the Expanding level shows great independence in advancing academic language skills and is approaching the linguistic demands necessary to demonstrate English language proficiency in a variety of academic contexts (settings).

Level 5: Commanding
A student at the Commanding level has met the linguistic demands necessary to

demonstrate English language proficiency in a variety of academic contexts (settings). A student at this level is no longer considered an ELL, but is entitled to receive two years of Former ELL services.

SUPPORT SERVICES

Resource Room: Resource Room is a special education service that supports a student with a learning difference by providing specialized supplementary instruction in a small group setting for a portion of the school day. Resource Room is for the purpose of supplementing the general education or special education classroom instruction.

Integrated Co-Teaching (ICT): Integrated Co-Teaching services are the provision of specially designed academic instruction provided to students with learning differences alongside non-disabled peers in the general education classroom. In an Integrated Co-Teaching classroom, the general education teacher and special education teacher share responsibility for classroom instruction, assessment, and other aspects of teaching. Curriculum, materials, assignments, and assessments may be modified to meet the individual learning needs of all students.

Consultant Teacher Services: Consultant Teacher Services are part of the continuum of special services. They provide direct and/or indirect special education teacher services to students with disabilities who attend regular education classes and/or to the student's regular education teachers for a minimum of 2 hours weekly. Consultant Teacher Services are recommended by the Committee on Special Education to support the student where need has been determined in specific regular education classes.

Special Class Humanities - Full year, 1 Unit of Credit: Special Class means an instructional group consisting of students who have been grouped together because of similarity of individual needs for : the purpose of receiving specially designed instruction. Hastings High School provides special humanities classes which support the English and History curriculum in a 12:1:1 setting. Lessons focus on improving the writing process (including proofreading and editing skills), reading strategies related to higher level reading materials, as well as test-taking strategies, time management and organizational skills.

Daily Living Skills - Full year, 1 Unit of Credit: The Daily Living Skills course provides students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. The course often emphasizes process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

CAREER & TECHNICAL EDUCATION (CTE)

The Center for Career Services

Southern Westchester BOCES Grades 11-12

Center For Career Services

The Center for Career Services, located at 65 Grasslands Road, Valhalla, New York, offers a program of career and technical education (CTE) designed to prepare students for gainful employment as skilled technicians. Many students who graduate from these programs continue their education and receive college credit through articulation agreements that have been arranged with several two-year and four-year colleges and technical institutes.

CTE College Articulation Credits

General Information

• High school students from participating school districts in Southern Westchester are eligible to enroll at the Career Center in 11th and 12th grades.
• Secondary Day courses are either one or two-year programs.
• Your home school guidance counselor will help you with the enrollment process.
• Guidance services are available on campus. They are designed to assist you in developing and implementing a career plan.
• You would attend your career education program every day, during either the a.m. or p.m. session. The session you attend depends on your schedule at your home high school.
• Regents' level academic classes in English, Social Studies and Mathematics are available to accommodate scheduling conflicts.
• Students can participate in sports and other after school activities at their home high school.
• Students with a certain CTE related GPA are eligible to apply for the National Technical Honor Society (NTHS). NTHS is an educational non-profit that exists to honor, recognize, and empower students and teachers in Career & Technical Education. As the honor society for Career & Technical Education, NTHS serves over 100,000 active members annually in both secondary and postsecondary chapters across the country.
• All students are eligible to participate in SkillsUSA, a national educational association that promotes leadership qualities and citizenship necessary for success.
• Bus transportation is provided to and from the Career Center and your home high school.
• All CCS programs carry up to four sequence credits per year towards graduation.
• All students are encouraged to explore non-traditional career clusters.

Program Facts

• Tuition cost to attend courses at The Center for Career Services is paid by the home school district. Some programs do require the purchase of uniforms, materials and/or equipment. Some certification exams require a registration fee.

• All courses meet industry standards, may lead to New York State and/or national certifications and lead to high paying careers.
• Every program consists of theory and hands-on components to prepare students to work in their chosen field.
• Job Placement Counselors assist in placing students with employers in both paid and unpaid work experiences.
• Integrated academics within the program support Regents standards.
• College credits can be earned through the Centers' articulation agreements with various colleges and trade schools.
• Typically, over 90% of the program completers continue their education or enter the workforce in their field of training.
• Typically, 50% of Career Education Center completers continue their education at a four-year college, two-year college, or a trade school.
• The New York State Education Department has waived the foreign language requirement for Career Education Center students.
• Every Career Education Center student creates a personal work experience portfolio.

Integrated credits towards graduation requirements

Enrolled at CTE 1 Year: 4 Elective Credits

Enrolled at CTE for 2 Years: 1 English Language Arts Credit and depending on the program of study an additional Math and/or Science Credit

Advertising & Graphic Design

Use your creativity and technology skills to create logos, advertisements, package design, illustrations, animation, layout design and many more projects. Create your portfolio to enter the job market as a graphic designer, animator, illustrator or another creative career path. Gain real world experience working with the latest Adobe creative suite using Photoshop, Illustrator, InDesign, and Animate.

Animal Science

Work with live animals as you learn their proper handling and care. You will perform different veterinary procedures, including how to measure heart rate and temperature, how to collect and analyze samples, and how to effectively use a microscope and veterinary tools. This course will provide you with a foundation in veterinary terminology and procedures, which help you succeed in a future career in animal science.

Architecture

Have you ever dreamed of becoming an architect or Interior Designer? If so, then this program is for you! You will combine architecture, furniture design, digital photography, drawing and drafting using programs such as Computer Aided Design. As part of your experience, you will complete a comprehensive portfolio that will demonstrate our skills in Architecture and Interior Design.

Audio Production

The Audio Production program is focused on the art, science and creative nature of sound recording. Integrating the history, future technologies and business techniques to aid the student in becoming a true professional in the field. It includes the use of the latest professional hardware and software such as Pro Tools, which is known as the industry standard in recording and production houses. The program will touch upon all aspects of sound but specializes in the areas of music, field and post production. With a high end recording booth and control room, it offers students the opportunity to learn professional techniques for performing and recording music as well as discover and express their own creativity. Not to mention, the student is learning in an environment designed to mimic real world recording and broadcast studios. All of these fa

Automotive Technology
Become certified as an Automotive Technician! You will be able to diagnose, repair and maintain automobile engines, brakes, electrical systems and suspensions as you complete this program and begin your career.

Barbering
The course will follow the state's barbering curriculum. Students are required to learn different haircutting techniques with both scissors and clippers. They'll also be taught hair coloring, straight-edge shaving, skin treatments, and scalp treatments, in addition to the latest sterilization and sanitization methods that allow a barber to perform those tasks cleanly and safely.Once Barbering students complete 500 classroom hours during the two-year program, they will be eligible to take a state exam and graduate with a Master Barber License.

CISCO
Are you an aspiring computer tech? The Cisco Academy curriculum is designed for students who are seeking entry-level information technology jobs or plan to pursue more specialized skills. This course provides comprehensive coverage of networking topics ranging from fundamentals to advanced applications and services.

Collision Repair/ Auto Body
A fulfilling career awaits you as a certified technician in auto body repair! Gain experience in restoring accident-damaged vehicles! Learn the latest refinishing and custom painting techniques as well as welding, sheet metal fabrication, fiberglass repair, interior and glass service and many other skills.

Construction/Plumbing
Learn the skills to work in the construction and maintenance industries while earning nationally accredited qualifications and certifications. In cooperation with NCCER (the National Center for Construction Education & Research) and their nationally accepted curriculum, you will be able to produce a transcript that is accepted by colleges, unions and trade schools nationwide.

Cosmetology
Let the world become your canvas as you learn extensive hands-on skills to express your creativity in hair design, hair color, make-up artistry, skin and nail care. Our 2-year Cosmetology program offers you 1,000 hours of training in beauty and wellness giving you the necessary foundation to pass the New York State Cosmetology Licensing Exam and begin your future career in the beauty industry.

Culinary Arts
Specialize in the techniques of cooking as you learn methods of butchering, baking nutrition, menu planning and catering. Prepare to enter the culinary world as a specialty cook, chef, pastry chef or caterer – or continue with advanced training. The field is growing and job opportunities are expanding every day!

Electrical Construction
Emerged from the Electrical Construction program as a wiring technician with a working knowledge of its cutting edge, 21st Century green technologies. Through this combination of theory and hands-on activities you will be prepared for apprenticeship in the field, for advanced study, and to receive the NCCER National Center for Construction Education & Research) certification in Electrical and Core.

Emergency Medical Services
Become an Emergency Medical Technician, and learn the many lifesaving skills and techniques such as CPR and treatment of traumatic injuries. These are but a few of the medical skills necessary for

certification as a Certified First Responder in medical emergency situations. You also have the opportunity to become a certified Emergency Medical Technician, able to work on 911 and /or private ambulances and in hospital emergency rooms. This EMT train is an excellent foundation on which to build a career in medicine.

Fashion Design & Merchandising
Enter the dazzling world of high fashion as you draw, cut and sew exotic fashion designs and model them on the runway! At the same time, explore the history of fashion and textiles, gain experience in the technology now used in the fashion industry and design your personal fashion portfolio for admission into this exciting career.

Heating, Ventilation Air Conditioning (HVAC)
The HVAC program is designed to provide students with the knowledge, skills, and certifications necessary to pursue a rewarding career in the heating, ventilation, and air conditioning industry. This comprehensive two-year program integrates science into an array of classroom theoretical instruction, hands-on laboratory experience, and real-world internships, ensuring a well-rounded education. Students will also acquire soft skills like teamwork, problem-solving abilities, and professional ethics while gaining an all-inclusive understanding of HVAC systems, energy efficiency, and environmental responsibility.

Medical Office/ CISMAA
Become an integral member of the medical team while qualifying for a variety of Microsoft Office Suite certifications. As the Medical Administrative Assistant, you will use your new computer skills to help patients to make appointments, fill out insurance claims, track procedures and medications, verify tests and design/revise billing procedures in a simulated office setting. An exciting career in the medical field awaits you upon completion of this program.

Nursing Assistant
The Nursing Assistant program is a two-year course that will provide classroom and practical experience for students interested in becoming a Certified Nurse Assistant or pursuing a career in other health care professions. Students enrolled in this program will be trained in basic bedside nursing skills, cardiopulmonary resuscitation (CPR), and first aid appropriate for use in a Long Term Care facility. They will learn the technical skills needed to provide safe and effective care in a variety of medical settings in a holistic and compassionate manner. This is a comprehensive program that will also serve to develop behavioral, communication and critical thinking skills needed by students interested in becoming Certified Nurse Assistants, Licensed Practical Nurses or Registered Nurses. Certified Nursing Assistants carry out tasks delegated by licensed nurses as part of a multidisciplinary team. They assist patients with the activities of daily living: bathing, dressing, grooming, mobility, eating and toileting. Hands-on experiences are provided in both the lab and in affiliated healthcare facilities. Those students who demonstrate competency in essential skills, and have successfully completed the Nurse Assistant course with 75% or higher will be eligible to take the Certified Nurse Assistant exam.

Pre-Engineering
Experience the world of technology and engineering. This course will provide you the opportunity to apply science, technology, mathematics, and communication skills through project based instruction. Several different aspects of engineering will be explored, such as Mechanical, Civil and Robotics. A team based approach is used to learn and apply the design process, problem solving, creative and analytical-thinking skills.

Security, Law & Policing
Welcome to a career in law enforcement. In this program you will discover the many aspects of crime scene investigation, including fingerprinting & fingerprint identification and fingerprint

identification and processing. Become certified from Homeland Security in Weapons of Mass Destruction Awareness; Terrorist/Suiced Bombing & Domestic Anti-Terrorism. Begin your law enforcement service in this course as you gain New York State certification as a Security Guard and Dispatcher.

Video Production
Are you interested in work that taps your creative processes? The New York City area has countless jobs in audio and video production that will satisfy this drive! You can be a part of this world through completion of the CCS TV/ Video Production program, a two-year project-based experience in digital media that focuses on video and audio production in the studio and in the field. In this program, students are encouraged to learn through an in-depth exploration of creative ideas. Gain technical knowledge as well as the aesthetic conventions of different genres, such as news, documentary, narrative and live studio programming through this program where upgraded and advanced materials and equipment are in place, and where partnerships with two and four-year colleges enable accelerated coursework for program graduates.

Welding
This program is ideal for students interested in hands-on learning and a high-demand trade that offers competitive wages and career growth opportunities.
The Welding course is a two-year program designed to provide students with the skills, knowledge, and hands-on experience necessary for a successful career, with opportunities for internships and industry-based field trips. This program highlights industry safety standards, blueprint reading, metal fabrication, and various welding techniques, including Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Flux-Cored Arc Welding (FCAW). Emphasis is also placed on transferable skills such as time management, teamwork, punctuality and professionalism.Our curriculum follows industry-recognized standards, such as the American Welding Society's Fundamentals of Welding curriculum, preparing students for certifications.

Introduction to Career & Technical Education (ICTE)
The iCTE program is a half-day general education career exploration and training program designed to meet the specific educational goals of students in need of a smaller learning environment. iCTE programs offer practical, hands-on skill development in specific trade areas while students refine some general career readiness skills such as the appropriate behavior, dress, language, time management, and social skills required to secure and maintain a future job. ***Students with IEP's ONLY. ICTE classes meet during the AM SESSIONS ONLY.***

Hastings High School offers a strong college-preparatory curriculum with access to Advanced Placement (AP), Honors, and College-level coursework:

Advanced Placement (AP)
https://apstudents.collegeboard.org/courses

- AP Literature: English 12
- AP US History
- AP Modern European History 12
- AP Psychology
- AP Macroeconomics
- AP Pre-Calculus
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- AP Computer Science Principles
- AP Environmental Science
- AP Chemistry
- AP Biology
- AP Physics C: Mechanical
- AP Physics 1
- AP Art & Design (2-D & 3-D Art)
- AP Music Theory

Honors (H)

- English H: Eastern Perspectives on Global Events Through Literature (½ year course)
- English 11 H: American Literature
- Geometry H
- Algebra II H
- French IV H
- French V H
- Spanish IV H
- Spanish V H
- Latin III H
- Latin IV H

Dual Enrollment / College-Level:

- **University at Albany:** Spanish, French, Latin, Science Research
- **Syracuse University Project Advance** (SUPA): SUPA English 12 H: Advanced Writing & Literature Theory, SUPA American History, SUPA College Learning Strategies **https://projectadvance.syracuse.edu/**

- **Rochester Institute of Technology:** Project Lead the Way (PLTW) - Principles of Engineering