



NORWICH CITY SCHOOL DISTRICT

2023 - 2024

HIGH
SCHOOL
COURSE
CATALOG





NORWICH CITY SCHOOL DISTRICT

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Angela Garuto (P-Z)
Kelly Collins-Colosi, Social Worker

Dear NHS families,

We would like to welcome you to the course selection process at Norwich High School. This is an exciting time in your child's life and we want to ensure you are as involved as possible in the process. This course selection guide is the first step in the process. Please read through the guide with your child and begin to think about possibilities for the next year. You will find QR codes throughout the course catalog. Point your phone camera at the QR code to hear more about the course from the teacher's perspective.

This spring you will receive an invitation to your child's course scheduling meeting. You can either choose to join in person or via Google Meet. At this meeting, your child will choose their courses for the 23-24 school year. While this is the beginning of the course selection process, your child may choose to make adjustments up until the beginning of the school year. Also, some courses may need to be adjusted based on enrollment.

As always, please reach out with any questions or concerns. We are here to partner with you in your child's educational journey.

Sincerely,

Jacob Roe, HS Principal



Mr. Jacob Roe
HS Principal



Mr. Joe Alger
Associate Principal/
Director of Athletics



Lorri Race
MTSS Coordinator



Tracy Maynard
Counselor



Richard Fornuto
Counselor



Angela Garuto
Counselor

CONNECT, INSPIRE, EMPOWER

NCSD MISSION STATEMENT

NCSD will seek to provide an empowering and relevant learning environment where ALL children will be afforded opportunities to engage in authentic experiences. A progression of designed experiences will develop and promote active learning, allowing informed and inspired graduates to leave us ready to contribute to their community and our global society.

NCSD VISION STATEMENT

NCSD aspires to be a model organization focused on continuous improvement, collaboration, communication and critical thinking. Students will be provided innovative experiences ultimately preparing them for productive engagement with the world around them. We will commit to the growth of the whole child, collective efficacy and instilling a sense of confidence in the power of learning for all. We will serve as a connection to the community for all residents and families.



NORWICH HIGH SCHOOL 2023-24 COURSE CATALOG

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Parent/Student Action Plan: 9th Grade

The beginning of high school is an exciting time! Your child is adjusting to a new building, meeting new people, and becoming more independent. Your child would benefit from your help and involvement. Here are some things you can do together to succeed this year.

Summer

- Encourage your child to volunteer in the community
- Attend our Freshmen Orientation at NHS in late August for important information to help your child transition

Fall

- Check on your child's progress in SchoolTool and Google Classroom. If you have any concerns, do not delay in contacting your child's teacher or counselor
- Get involved! Have your child consider joining a club, volunteer, or perhaps try a new sport (volunteer hours are required for acceptance to National Honor Society)
- Attend Open House at NHS with your child
- Make sure your child has joined the 9th grade Student Services Google Classroom. Ask one of your child's teachers or their counselor to send you an email invite

to join Google Classroom. Then sign up to receive weekly emails with announcements and information about your child's missing assignments

- Start keeping track of all extracurricular activities and volunteer work hours in Xello or your own Google document
- Make sure your child is reaching out to their teachers if they are struggling

Spring

- Familiarize yourself with the requirements for graduation, included in this guide
- Be part of your child's individual advisement meeting with their school counselor. Choosing their courses for 10th grade will happen at this meeting. You will be invited to join the meeting (March)
- Ask your child to show you the lessons they have completed in Xello with their school counselors
- If your child will be looking for summer employment, encourage them to obtain their working papers from the High School Main Office

Tip for the year: Attendance is one of the most important factors in being successful in high school! Make sure you are attending school and getting here on time! If you are absent you need to speak to your teachers about what you missed

Attendance Matters!



Parent/Student Action Plan: 10th Grade

As a sophomore, students may find their coursework a little more challenging. Students tend to have more Regents Exams and less time during the day to complete homework. It is important that they stay on top of their studies and not be afraid to ask for help. We are here to help! Remember, the grades earned now will be looked at by colleges/universities as well as potential employers/military.

Summer

- Encourage your child to volunteer in the community
- Encourage your child to seek a part-time job
- Continue to use Xello for future goal planning

Fall

- Check on your child's progress in SchoolTool and Google Classroom. If you have any concerns, do not delay in contacting your child's teacher or counselor
- Get involved! Have your child consider joining a club, volunteer, or perhaps try a new sport
- Attend Open House at NHS with your child
- Begin to research potential colleges with your child through Xello and familiarize with specific college admissions requirements
- Make sure your child has joined the 10th grade Student Services Google Classroom. Ask one of your child's teachers or their counselor to send you an email invite to join Google Classroom. Then sign up to receive weekly emails with announcements and information about your child's missing assignments
- Continue to keep track of all extracurricular activities and volunteer work hours in Xello or your own Google document

- Have your child apply for HOBY, an interactive leadership retreat that takes place in May. Two sophomores will be chosen to represent Norwich High School

Spring

- Selected students will have the opportunity in February to learn more about the CTE programs available at DCMO BOCES and visit two programs of interest
- Have your child take the PSAT 10 offered at NHS in March (free of charge!)
- Familiarize yourself with the requirements for graduation, included in this guide. Your counselor will monitor your child's academic progress and make sure they are taking the required courses in high school
- Be part of your child's individual advisement meeting with their school counselor. Choosing their courses for 11th grade will happen at this meeting. You will receive an invitation to this meeting (March)
- Update working papers as necessary
- Sign up for Driver's Ed in May, if applicable
- Ask your child to show you the lessons they have completed on Xello with their school counselors
- Once your child receives their PSAT 10 scores they should create a college board account and begin studying for the SATs
- If your child has a cumulative GPA of 92 or higher they will qualify to apply for the National Honor Society. Make sure they listen for announcements on how to apply. Remember, volunteer hours are required for acceptance

Tip for the year: Volunteer! Become a volunteer within your school and/or community. Make a difference and set yourself apart from others.

Volunteer!



Parent/Student Action Plan: 11th Grade

Junior year is an important year! This is when the post high school plan really begins. Seek out your counselor, they are going to play an important role in the planning of your next two years.

Summer

- Continue to explore future plans via Xello
- Help your son/daughter continue their college list
- Seek out volunteering opportunities
- Find a part-time job (this could leave to full time employment after high school)
- Make sure your child is studying for the SAT

Fall

- Check on your child's progress in SchoolTool and Google Classroom. If you have any concerns, do not delay in contacting your child's teacher or counselor
- Get involved! Have your child consider joining a club, volunteer, or perhaps try a new sport
- Have your child possibly run for office in one of their clubs
- Take the PSAT in October. Even if your child took the PSAT 10 they should still take the PSATs. This is offered at the high school free of charge
- Attend Open House at NHS with your child
- Make sure your child has joined the 11th grade Student Services Google Classroom. Ask one of your child's teachers or their counselor to send you an email invite to join Google Classroom. Then sign up to receive weekly emails with announcements and information about your child's missing assignments

- Continue to keep track of all extracurricular activities and volunteer work hours in Xello or your own Google doc
- Be on the lookout for information regarding a free SAT prep course offered through Colgate University

Spring

- Look out for information regarding SAT prep courses
- Ask your child about the in class Junior post-secondary options lesson (view powerpoint on the 11th grade Student Services Google classroom)
- Be part of your child's individual advisement meeting with their school counselor. Choosing their courses for 12th grade will happen at this meeting
- Utilize this curriculum guide in planning coursework for senior year
- Ask your child to show you the lessons they have completed in Xello with their school counselors
- Consider scheduling some college visits. Many colleges offer open houses for 11th graders in the Spring.
- Sign up for Driver's Ed in May, if applicable
- Take the SATs in May or June (registration in about a month before test date)
- Your child has the opportunity to apply for two leadership retreats (RYLA or Girls/Boys State)
- If interested in the Military make sure to connect with a recruiter and prepare for the ASVAB

Tip for the year: Deadlines! Deadlines! Deadlines! Keep track of all your deadlines for college applications, job applications and scholarships!

Deadlines!



Parent/Student Action Plan: 12th Grade

Help your child solidify their post high school plans. Remember their school counselor is here every step of the way!

Summer

- Seek out volunteer opportunities
- Find a part-time job
- Continue to use Xello for future goal planning
- Register to take the SATs in October

Fall

- Check on your child's progress in SchoolTool and Make sure your child has joined the 12th grade Student Services Google Classroom and invited you as the parent
- Check the 12th grade Google Classroom regularly for scholarship opportunities
- Attend Financial Aid Night at NHS- September
- Take the SATs
- Check on your child's progress in SchoolTool and Google Classroom. Ask one of your child's teachers or their counselor to send you an email invite to join Google Classroom. Then sign up to receive weekly emails with announcements and information about your child's missing assignments.
- Have your child possibly run for office in one of their clubs
- Attend Open House at NHS with your child
- Have your child sign up to meet with College admission reps in Student Services (remember these representatives are the ones who look at their college applications!)

- Continue visiting colleges (Take notes!)
- Attend your child's individual senior meeting in October to go over the College Application Process or job search
- Apply to college!
- Order a cap & gown (must be ordered new, you cannot use an old cap & gown)

Spring

- The local scholarship packet will be mailed home in February with a March deadline
- Continue to check the 12th grade Google Classroom regularly for other scholarship opportunities
- Review decision and financial aid packages from colleges
- Once your child has decided which college to attend, they must review the offer, send in tuition and housing deposit, and submit any other required paperwork
- Register and attend college orientation or programs where your child will select their coursework. The college will notify your child of the process
- Have your final high school transcript sent to the college you will be attending in the Fall. We will have seniors fill out the request before they graduate
- If your child took any AP exams, they will need to have their score sent directly from their college board account to the college they are attending
- If your child took college courses at NHS they will need to have their college transcripts sent directly from the college the course was through to the college they are attending

*Tip for the year: Visit at least four college campuses you are considering applying to!
You should enter senior year knowing where you are going to apply.*

College Visits!



Graduation Requirements

REGENTS DIPLOMA

Test Requirements

- English Regents with a grade 65 or higher
- Social Studies Regents with a grade of 65 or higher
- Mathematics Regents with a grade of 65 or higher
- Science Regents with a grade of 65 or higher
- Pathway Exam with a grade of 65 or higher (Second Math, Science or Social Studies Regents)

Course Requirements

- 4 credits in English
- 4 credits in Social Studies
- 3 credits in Math
- 3 credits in Science
- 2 credits in Physical Education
- 1 credit in Art, Music and/or Technology
- 1 credit in World Languages
- 0.5 credit in Health
- **22 credits needed for graduation**

**Students acquiring a five-unit sequence in art and music or a vocational program may be exempt from the three-unit requirement in World Languages. These students must still earn one credit in World Languages.*

ADVANCED REGENTS DIPLOMA

Test Requirements

- English Regents with a grade of 65 or higher
- Global Studies Regents with a grade of 65 or higher
- U.S. History Regents with a grade of 65 or higher
- Algebra Regents with a grade of 65 or higher
- Geometry Regents with a grade of 65 or higher
- Algebra II Regents with a grade of 65 or higher
- Living Environment with a grade of 65 or higher
- Earth, Chemistry or Physics with a grade of 65 or higher

Course Requirements

- 4 credits in English
- 4 credits in Social Studies
- 3 credits in World Languages
- 3 credits in Math
- 3 credits in Science
- 2 credits in Physical Education
- 1 credit in Art and/or Music
- 0.5 credit in Health
- **22 credits needed for graduation**

ADVANCED PLACEMENT

HONORS COURSES

Honors-level courses are designed to meet the needs of students who demonstrate an advanced understanding of the subject-matter concepts and have very strong written skills. Students may consult with their counselor and regarding enrolling in honors courses.

ADVANCED PLACEMENT COURSES (AP)

Students who enroll in an AP course are strongly encouraged to take an AP exam in May. There is a fee associated with each exam. The fee will be paid by NHS. Each college/university will determine whether college credit(s) will be granted. This determination is based on the student's AP score on each exam. Students will need to send their AP scores directly to the college/university they plan to attend.

CONCURRENT ENROLLMENT

Qualified students earn high school and college credit concurrently, at no cost to the school or students. This program enables students to take challenging, college-level courses in high school, strengthen the transition from high school to college, and earn college credits that can be transferred to many colleges and universities in New York and throughout the country. These courses are taught at Norwich High School.

Norwich High School offers dual enrollment through the following colleges:

**Tompkins
Cortland
Community
College (TC 3)**



**Morrisville
State College**



**SUNY
Oneonta**



**SUNY
Broome**



COLLEGE COURSES TAUGHT AT NHS

Principles of Accounting I (ACC 101)
Personal Finance (BSAD 109)
Introduction to Speech (COMM 101)
Intro to MASS Communication (JOURN 101)
Pre-Calculus (MATH 147)
The Film Experience (HUMN 210)
World Regional Geography (GEOG 101)
Introduction to Economics (ECON 101)
American National Government (POSC 103)
Composition and Research (COMP 101)
Calculus 1 (MATH 161)
General Chemistry I (CHM 145)
General Chemistry II (CHM 146)
Beginning Spanish II (SPAN 102)
Intermediate Spanish I (SPAN 201)
Intermediate Spanish II (SPAN 202)
Beginning French II (FREN 102)
Intermediate French I (FREN 201)
Foundations of Business (BUAD 106)
Digital Photographic Imaging (COM 211)

Music Theory I (MUSI 108)
Music Theory II (MUSI 109)
Solutions in Fitness and Wellness (PED 118)
Solutions in Fitness and Wellness II (PED 119)
Exploring Healthy Lifestyles (PED 168)
Principles of Training and Conditioning (PED 171)
Issues, Philosophy and Foundations
of Education (EDUC 106)
Children In Families (HDFS 1100)
Child Growth and Development (EPSY 2040)

HONORS AND AP COURSES

English 9 Honors	AP U.S. History
English 10 Honors	AP Chemistry
Earth Science Honors	AP Statistics
AP Biology	AP Calculus
AP Language and Composition	AP European History
	AP World History

ART & MUSIC

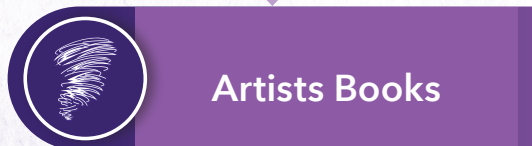
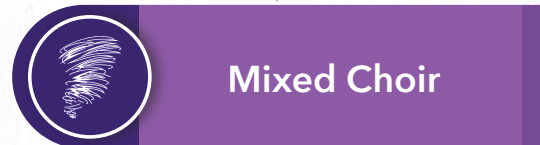
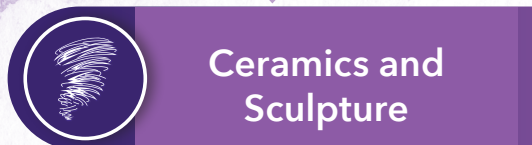
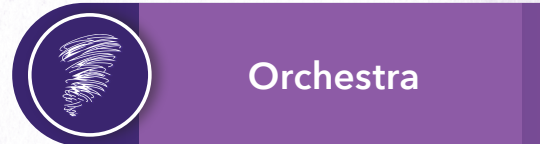
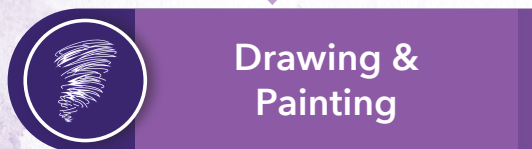
EMERGING ART



EMERGING MUSIC



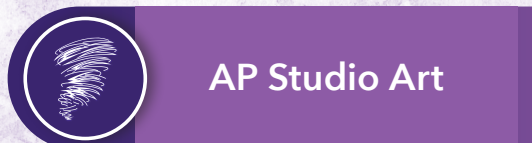
INTERMEDIATE ART



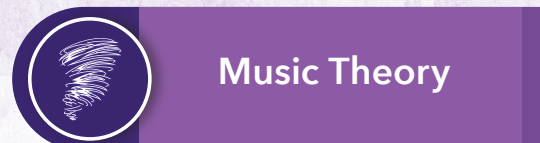
ADVANCED ART



INTERMEDIATE MUSIC



ADVANCED MUSIC





Art & Music

NYS LEARNING STANDARDS FOR THE VISUAL AND PERFORMING ARTS

Creating

1. Generate and conceptualize artistic ideas and work.
2. Organize and develop artistic ideas and work.
3. Refine and complete artistic ideas and work.

Performing/Presenting/Producing

4. Analyze, interpret and select artistic work for presentation.
5. Develop and refine artistic techniques and work for presentation.
6. Convey meaning through the presentation of artistic work.

Responding

7. Perceive and analyze artistic work.
8. Interpret intent and meaning in artistic work.
9. Apply criteria to evaluate artistic work.

Connecting

10. Synthesize and relate knowledge and personal experiences to make art.
11. Relate artistic ideas and works with societal, cultural and historical context to deepen understanding.

ART

STUDIO ART

Grade Level: 9-12. Credit: 1.

This introductory art course uses a variety of media and artists to study the elements of art, principles of design, and steps of art criticism. This course must be successfully completed with an 80 or higher average before taking drawing and painting.



- Students will be able to define and use the elements of art
- Students will be able to define and use the principles of design.
- Students will know and be able to discuss the steps of art criticism.
- Students will be able to use a variety of media to illustrate their understanding of the elements of art and principles of design.
- Students will build knowledge of artists and art movements through a variety of activities.

DRAWING & PAINTING 2-D

Grade level: 10-12. Credit: 1

Prerequisite: 80 average or above in studio art course.



Designed to explore traditional drawing and painting mediums and techniques.

This is a concentrated course allowing students to develop and master various drawing and painting mediums while assembling a personal portfolio of two-dimensional works. Students must be serious about their intent, critiques, and work time. Students will continue their study of the elements of art, principles of design, and art criticism as it pertains to this course. This class includes written work.

- Students will be able to use a variety of media to illustrate their understanding of the elements of art and principles of design.
- Students will build knowledge of artists and art movements through a variety of activities.
- Students will be able to use a variety of drawing mediums to develop their own personal style.
- Students will be able to use a variety of drawing mediums to develop their own personal style.
- Students will create a portfolio of 2-D work.



CERAMICS AND SCULPTURE 3-D

Grade level: 10-12. Credit: 1

Prerequisite: None

Designed to explore traditional ceramic and sculpting mediums and techniques. This is a concentrated course allowing students to develop and master various ceramic and sculpting mediums while assembling a personal portfolio of three-dimensional works. Students must be serious about their intent, critiques, and work time. Students will learn the elements of art, principles of design, and art criticism as it pertains to ceramics. This class includes written work.



- Students will be able to define and use the elements of art.
- Students will be able to define and use the principles of design.
- Students will know and be able to discuss the steps of art criticism.
- Students will build knowledge of artists and art movements through a variety of activities.
- Students will be able to use a variety of media to sculpt and build in 3-D.
- Students will learn wedging, slab construction, hand building, and wheel throwing with clay.
- Students will be able to manipulate materials to create a portfolio of 3-D objects.

DIGITAL PHOTOGRAPHIC IMAGING (COM 211)

Grade level: 11-12. Credit: 1 NHS/3 SUNY Broome

This course is an introduction to the digital manipulation of images, primarily using a digital workflow that includes Pixlr and Adobe Photoshop. Students will create images—either in film-based media or digital—and manipulate them to create cohesive pieces of personal and artful expression. *NOTE: Basic computer skills are required for this class and a digital camera (cell phone camera is perfect). This class includes written work.*



- Explore artistic expression and style using a digital workflow.
- Develop digital photographic images through a comprehensive process - from image capture, through editing to final output (printing).
- Recognize and appreciate diverse digital photographic expression
- Produce a portfolio of digital images demonstrating creativity and personal vision.

AP STUDIO ART

Grade level: 11-12. Credit: 1.

Prerequisite: 80 average or above in studio art course.



The AP Studio Art class is intended for highly motivated Junior and Senior students who are seriously interested in the study of art and design. AP course requirements are significantly more rigorous, and students should demonstrate commitment and accomplishment when enrolled. At least one year of Studio Art, as well as a high level of technical art skills, creativity, and inquiry are prerequisites to this course. During the year, the students will work in and out of class to produce a portfolio to meet the standards set up by the College Board. Students will be expected to complete at least one piece of quality artwork every one or two weeks, complete practice exercises, keep a comprehensive sketchbook, document their ongoing inquiry and thinking processes, and participate in critique sessions. Each student must have a sketchbook with them and be able to develop these sketchbooks as ongoing journals throughout the year. This course emphasizes making art as an ongoing process that involves the student in informed and critical decision making at all times, according to their own individual inquiry.

ADVANCED DRAWING & PAINTING

Grade level: 11-12. Credit: 1

Prerequisite: Prerequisite: 80 average or above in Studio Art and Drawing & Painting

This course will build off the foundation set during Drawing & Painting. Students will explore a wide range of techniques and mediums to aid in developing their work. Students will be pushed both technically and conceptually in the development of a personal portfolio showcasing their drawing and painting work.

- Students will be able to use a range of drawing mediums to express their ideas
- Students will be able to use a range of painting mediums to express their ideas
- Students will be able to connect their work with the greater artistic community
- Students will be able to speak about their work and about themselves as artists

ARTIST BOOKS

Grade level: 10-12. Credit: 1

Prerequisite: Studio Art (80 avg.)

This course will explore the areas of printmaking, papermaking, as well as bookmaking and their connection with the area of Artist Books. This course will include the creation and illustration of narratives in various book forms. Students will also get the chance to make their own paper and paper-based pieces. Both intaglio and relief printmaking methods will be explored as ways to illustrate narratives as well as aid in the creation of multiple identical books. This course includes written components.

- Students will be able to create their own recycled paper.
- Students will be able to create imagery using both intaglio and relief printmaking methods.
- Students will be able to explore a multitude of bookmaking/bookbinding forms.
- Students will be able to create an edition of an original narrative.

DIGITAL ART, PHOTOGRAPHY & YEARBOOK

Grade Level: 9-12. Credit: 1

This art course is for students who love art and computers. We will engage in creating projects on the computer using a variety of software while learning the elements of art, principles of design, and steps of art criticism. You do not need to be able to draw, paint, or use traditional arts media to be successful in this class. We will learn new technology together while creating art that can continually be manipulated long after the class ends. Basic computer skills are required for this class.

- Students will be able to define and use the elements of art.
- Students will be able to define and use the principles of design.
- Students will know and be able to discuss the steps of art criticism.
- Students will be able to use a variety of software to build a digital portfolio.
- Students will work collaboratively to build the NHS Yearbook



MUSIC

WIND ENSEMBLE

Grade Level: 9-12. Credit: 1.

The band is open to students who have studied a band instrument for a minimum of three years or by approval of the director. The level of music performed in this course is of a higher caliber NYSSMA level 4-5. Students attend one lesson per week, in addition to class time. Attendance is required at the five annual evening concerts and the Sherburne Pageant of Bands Concert Competition. Students have the opportunity to participate in the following groups: Marching Band, Jazz Ensemble, NYSSMA Solo Festival, NYSSMA Majors Festival, All-County, Area All-State, and/or Conference All-State Music Festival.

ORCHESTRA

Grade Level: 9-12. Credit: 1.

The orchestra is open to students who have studied a string instrument for a minimum of three years or by approval of the director. The objective is to study and perform orchestral works from classical to present time. Students attend one lesson per week, in addition to class time. Attendance is required at the five annual concerts and occasional outside performances. Students also have the opportunity to participate in NYSSMA Solo Festivals, All-County, Area All-State and All-State Festivals.

MIXED CHOIR

Grade Level: 9-12. Credit: 1.

The choir focus is to develop advanced musicianship and vocal skills by sight singing, ear training and participating in written work. Students will incorporate a variety of styles of choral literature. Attendance is required at five evening concerts per year. Optional activities by audition may include All-County and Area All State music festivals, NHS Musical, Madrigal Singers and NYSSMA Solo and Major Ensemble Festivals.

ELECTRONIC MUSIC PRODUCTION

Grade Level: 9-12. Credit: 1.

This course allows students the opportunity to explore music where new meets traditional. Students will learn traditional concepts like harmony, time signatures, dynamics, and expression while developing guitar and/or piano skills. As the year continues, students will learn to use music software programs like Garageband, Sibelius, Final Cut Pro, Motion Compressor, Logic Pro, and MainStage in the state-of-the-art Mac lab. In this project-based learning experience, students will create their own tracks combining live playing with computer production all based on the foundations of quality music.

MUSIC THEORY I (MUSI 108)

Grade Level: 10-12. Credit: 1 NHS/3 TC3.

Prerequisite: 1 year of High School Music.

This course is a college-level introductory music theory class for the student who is considering a career in music or wants a deeper understanding of music. It includes basic harmony, sight-singing, dictation, basic piano skills, composition, and a review of classical music forms.

MUSIC THEORY II (MUSI 109)

Grade Level: 10-12. Credit: 1 NHS/3 TC3.

Prerequisite: 1 year of High School Music.

This course is a continuation of Music Theory I. The class is for the student who is considering a career in music or wants a deeper understanding of music. It includes basic harmony, sight-singing, dictation, basic piano skills, composition, and a review of classical music forms.

PERFORMANCE ARTS, THEATRE PRODUCTION

Grade Level: 10-12. Credit: 1.

This course is designed for anyone interested in all aspects of Theatre. The course contains instruction in (but not limited to): sound, lighting, design, costuming, casting, publicity, auditioning, acting, and many other areas of theater. The course concludes with a final student-produced production.

BUSINESS

EMERGING

 Social Media
Marketing & Video
Production 1 or 2

 Computer
Science

INTERMEDIATE

 Foundations of
Business

 Personal Finance

ADVANCED

 Principles of
Accounting



Business

NYS LEARNING STANDARDS FOR CAREER DEVELOPMENT AND OCCUPATIONAL STUDIES

Standard 1: Career Development

Students will be knowledgeable about the world of work, explore career options, and relate personal skills, aptitudes and abilities to future career decisions.

Standard 2: Integrated Learning

Students will demonstrate how academic knowledge and skills are applied in the workplace and other settings.

Standard 3a: Universal Foundation Skills

Students will demonstrate mastery of the foundation skills and competencies essential for success in the workplace.

Standard 3b: Career Majors

Students who choose a career major will acquire the career-specific technical knowledge/skills necessary to progress toward gainful employment, career advancement and success in postsecondary programs.

FOUNDATIONS OF BUSINESS (BUAD 106)

Grade Level: 10-12. Credits: 1 NHS/3 TC3.

This course is designed to present an overview of the field of business. Business concepts—including the economy, competition, management and labor relations—are introduced through lecture and discussion. Also explores business areas such as banking, insurance and the securities market.

PERSONAL FINANCE (BSAD 109)

Grade Level: 10-12. Credits: 1 NHS/3 Morrisville.

Students will explore concepts relating to lifetime financial planning, including choosing a career, setting financial goals, measuring financial performance, budgeting, reducing taxes, evaluating savings programs, acquiring and using credit, evaluating housing options, understanding insurance needs, and examining various types of investment opportunities including stocks, bonds, mutual funds, and estate planning.





SOCIAL MEDIA MARKETING & VIDEO PRODUCTION I

Grade Level: 9-10. Credit: 1.

In this class students will be introduced to the power of utilizing social media to persuade. Students will grow their knowledge of the historical perspective of social media, engage with the social media writing process, learn how to engage their audience through social media. Students will also develop professional skills in pre production, production and post production. Fundamentals of production including the techniques and aesthetics of shooting, lighting, and editing will be learned. Students will study and engage in video production techniques to produce videos to promote our school and district.

SOCIAL MEDIA MARKETING & VIDEO PRODUCTION II

Grade Level: 10-12. Credit: 1.

This course builds on the skills and concepts learned in Video Production 1 and Social Media Marketing. Students will build on their knowledge of the historical perspective of social media, engage with the social media writing process, how to engage your audience through social media, media analyses and the law and ethics around social media. Students will build on their video production skills to develop longer form projects for NHS and NCSD.

PRINCIPLES OF ACCOUNTING I (ACC 101)

Grade Level: 10-12. Credits: 1 NHS/3 Morrisville.

This course allows students the opportunity to earn high school and college credit concurrently, at no cost to the student. This course serves as an introduction to accounting theory and principles as applied to a business enterprise. Principles and procedures as applied to the accumulation, processing and reporting of financial information resulting from business transactions are discussed. Students are exposed to manual and electronic media for the preparation of journals, ledgers and financial statements. Inventories, receivables, payables, plant assets and payroll accounting are also covered.

COMPUTER SCIENCE

Grade Level: 9-10. Credit: 1.

CS Python Fundamentals is an introductory-level course for students brand new to programming and computer science. In this course, students will learn problem-solving strategies, software design, and the foundations of computer science using two key tools: the Project STEM programming environment and EarSketch, a software package that turns your code into music.


ENGLISH


9TH GRADE ENGLISH OR 9TH GRADE ENGLISH HONORS

 10th grade English Honors

 10th grade English

 11th grade Communication and Research

 11th grade English (Regents Exam)

 12th grade AP Literature

 12th grade English

ELECTIVES

 Introduction to Speech

 SAT Prep English



English Language Arts

The Next Generation English Language Standards provides students with experience and opportunities engaging in lifelong practices of Readers and Writers.

LIFELONG PRACTICES OF READERS AND WRITERS

Lifelong Practices of Readers

Readers:

- Think, write, speak, and listen to understand
- Read often and widely from a range of global and diverse texts
- Read for multiple purposes, including for learning and for pleasure
- Self-select texts based on interest
- Persevere through challenging, complex texts
- Enrich personal language, background knowledge, and vocabulary through reading and communicating with others
- Monitor comprehension and apply reading strategies flexibly
- Make connections (to self, other texts, ideas, cultures, eras, etc.)

Lifelong Practices of Writers

Writers:

- Think, read, speak, and listen to support writing
- Write often and widely in a variety of formats, using print and digital resources and tools
- Write for multiple purposes, including for learning and for pleasure
- Persevere through challenging writing tasks
- Enrich personal language, background knowledge, and vocabulary through writing and communicating with others
- Experiment and play with language
- Analyze mentor texts to enhance writing
- Strengthen writing by planning, revising, editing, rewriting, or trying a new approach

ENGLISH 9

Grade Level: 9. Credit: 1.

Students will work with a range of texts from contemporary works to Shakespeare. Students will continue to develop their writing skills. Students will interact, discuss and explore new material, with the ultimate goal of solidifying basic critical thinking and writing skills. Students will embark on various reading adventures that will bring them to Shakespeare's famous star-crossed lovers Romeo and Juliet, visit a home for girls who were born and raised in the wild in "St. Lucy's Home for Girls Raised by Wolves" by Karen Russell, and learn about two young men who are chasing their dreams of being better at writing poetry in Excerpts from Black Swan Green and "Letters to a Young Poet" just to name a few. In addition to these texts, students will hone their writing skills using various styles of writing from informal journaling to writing research. Texts are chosen according to the Next Generation ELA Standards.

ENGLISH 9 HONORS

Grade Level: 9. Credit: 1.

Students will concentrate on enhancing writing, reading, speaking and critical-thinking skills. Discussions and projects are intended to be challenging and require students to conduct close critical readings of literature and to demonstrate understanding through active participation and formal writing experiences. Students must submit an application and writing portfolio by the designated deadline to apply for this course. Students also will be required to complete a summer reading assignment.

ENGLISH 10

Grade Level: 10. Credit: 1.

Primarily based upon the New York State Next Generation ELA standards, this required class seeks to expand ideas and prepare students for the 21st century and beyond. Critical thinking skills are developed as we study many literary concepts in novels, poems, short stories and plays. Process writing is stressed and, as students develop their own creative short stories, a deeper understanding of the language is obtained through writing workshops. Cooperative learning skills are taught through various group projects. Students are also required to complete formal and informal writing projects. Research skills are a primary focus; students choose their own topic related to the text, locate and collect data, and write a formal research paper by using the current research model.

ENGLISH 10 HONORS

Grade Level: 10. Credit: 1.

This is an advanced-level writing and literature course that prepares students for college-level work at the AP level. Students will conduct close readings of authors from around the world. Intensified emphasis on critical thinking, interpretation and understanding. Students actively participate in seminar-type discussions, with an eye toward defending an argument. Course includes informational and persuasive research papers, as well as research-based projects and presentations. Students will be required to complete a summer reading assignment.

ENGLISH 11

Grade Level: 11. Credit: 1.

Students will read and discuss a range of American texts, including foundational American documents (like the Federalist Papers), historical American fiction (like *The Great Gatsby* or *To Kill a Mockingbird*), and contemporary American short stories, essays, and poetry (including the works of Maya Angelou and Lin-Manuel Miranda). An additional focus of the course will be civic reasoning (differentiating fact from fiction, particularly when presented with unlimited online sources), culminating in an argumentative research paper. Students will develop critical thinking, reading, and writing skills, with emphasis on the NYS Next Generation ELA Standards measured by the English Language Arts Regents Exam.

AP LANGUAGE AND COMPOSITION

Grade Level: 11. Credit: 1.

This advanced-level course is devoted to the study of American literature and rhetoric as a means of understanding the way writers use language. Fiction and nonfiction will be read, discussed and analyzed. This course also includes the work of William Shakespeare. Students will be expected to complete several outside reading assignments. As the course progresses, students will become aware of their own writing process through self-assessment, peer editing and instructor evaluation in various methods of composition instruction. Students will take the AP Exam in May and the English Regents Exam in June. Students also will be required to complete a summer reading assignment.

ENGLISH 12

Grade Level: 12. Credit: 1.

This course falls under the themes of “Conflict, Crisis, and Redemption,” offering a wide range of quality texts that engage students in the analysis of autobiographical nonfiction, speeches, poetry, drama and fiction. The Grade 12 texts comprise classic and contemporary voices such as Malcolm X, Alex Haley, Leslie Marmon Silko, Henry David Thoreau, Benazir Bhutto, Jared Diamond and William Shakespeare. Through the study of a variety of text types and media, students build knowledge, analyze ideas and delineate arguments while developing their writing, collaboration and communication skills. Students will participate in a Final Senior Project (FSP) as a unit course requirement for all students in English 12. It is intended as an opportunity for students to participate in the development and implementation of a portion of the senior English curriculum and as an opportunity for students to integrate an area of personal interest with the four strands of the Next Generation Learning Standards: reading, writing, and speaking and listening.

COMM 111—INTRODUCTION TO SPEECH

Grade Level: 10-12. Credits: 1 NHS/3 Morrisville.

The primary objective is to provide opportunities for students to grow increasingly more confident, comfortable, purposeful and effective as public speakers. They will develop an understanding of how ethical principles, audience-centered communication, scholarship and self-awareness apply to public speaking. They will learn about voice dynamics, body dynamics and use of language. Students also will learn the importance of developing public speaking skills for the classroom and for professional and community life. To satisfy the expectations of this course, students will learn to create and present speeches, research information for speeches, adapt to the needs of an audience, generate visuals and other presentational aids, critically analyze speeches, speak extemporaneously, and apply some basic rhetorical strategies. This course meets the fourth-year English requirements.

COMPOSITION & RESEARCH (COMP 101)

Grade Level: 12. Credits: 1 NHS/3 Morrisville.

Students read and analyze a variety of essays and practice modes of rhetoric by writing narrative, descriptive and expository essays. The culminating activity of the course is an argumentative or comparison-contrast research paper. This course meets the fourth-year English requirements.

SAT PREPARATION - ENGLISH

Grade Level: 10 - 11. Credit: .5 (scheduled in conjunction with SAT Math)

In addition to reviewing the basic verbal and mathematical skills assessed on the SAT test, students will learn test-taking strategies specific to the exam in this course. Material includes samples with explanations, grading rubrics for peer and self-assessment, practice tests with complete multiple-choice assessments, essays prompts, and study resources. Independent practice is followed by guided collaborative review. Upon successful completion, students will possess the tools necessary to complete the SAT to the best of their ability.

CREATIVE WRITING/POETRY WORKSHOP

Grade Level: 10-12. Credits: 1

This course is designed for students who are interested in developing their creative writing skills and appreciation of published poetry and short fiction. The course will operate as a writing workshop. Students and teachers will share, critique, and support each other’s work in an effort to build a literate community of developing writers. Students will study poetry from the 19th, 20th, and 21st century, from Walt Whitman to contemporary Slam poetry. Students will have the opportunity to create the NHS literary arts magazine, participate as members of the Norwich High School Poetry Club, submit their work for national publication, attend poetry readings, and perform their own work at various locations in and around town.

INTRODUCTION TO MASS COMMUNICATION (JOUR 101)

Grade Level: 12.

Credits: 1 NHS/3 Morrisville.

This course presents as a survey to the media. Students will become familiarized with leading newspapers, broadcasting, and other communication media. Students will also be introduced to the media’s place in America’s history, and examine some of the major issues confronting the press and mass media today. Students will also be introduced to communications theory.

WORLD LANGUAGES

EMERGING

Spanish 1

French 1

INTERMEDIATE

French II

Spanish II

ADVANCED

French 102

Spanish 102

French 201

Spanish 201



World Languages

NYS LEARNING STANDARDS FOR LANGUAGES OTHER THAN ENGLISH

Standard 1:

Students will be able to use a language other than English for communication.

Standard 2:

Students will develop cross-cultural skills and understandings.

FRENCH II

Grade Level: 9-10. Credit: 1.

Intermediate French class designed for the practice of communicative competence and the continued reinforcement of previously learned concepts. Expansion of reading and writing skills will be a primary focus.

BEGINNING FRENCH II (FREN 102)

**Grade Level: 10-12. Credits: 1 NHS/
3 TC3. Prerequisite: Completion of
French II**

Building on the skills and knowledge mastered in French II, students continue to learn the essentials of French grammar and the vocabulary needed for effective communication in everyday situations. Outside preparation using the Internet or other audio-visual materials is required. Students are expected to communicate in the present and past tenses in French. FREN 102 fulfills the SUNY General Education Foreign Language requirement.



INTERMEDIATE FRENCH I (FREN 201)

Grade Level: 11-12.

Credits: 1 NHS/3 TC3.

**Prerequisite: FREN 102 with
a grade of 80 or better.**

Intermediate French course focusing on speaking, reading, writing and listening comprehension. Grammar learned in first year French is reviewed. Major emphasis is placed on improving oral communication skills and reading comprehension. Students explore different aspects of the cultures, history and current events of the French-speaking world. Outside preparation using the Internet or other audio-visual material is required. Students are expected to communicate in the present, past and future tenses in French. Course is conducted primarily in French. FREN 201 fulfills the SUNY General Education Foreign Language requirement.





SPANISH I

Grade Level: 9-12. Credit: 1.

This beginning Spanish class is designed for the practice of communicative competence and/or the continued reinforcement of previously learned concepts. Basic communication, reading and writing skills will be a primary focus. This class provides the foreign language credit required for graduation.



SPANISH II

Grade Level: 9-10. Credit: 1.

This intermediate Spanish class is designed for the practice of communicative competence and the continued reinforcement of previously learned concepts. Expansion of reading and writing skills will be a primary focus.

BEGINNING SPANISH II (SPAN 102)

Grade Level: 10-12.

Credits: 1 NHS/3 TC3.

Prerequisite: Spanish II

Building on the skills and knowledge mastered in Spanish 2, students will continue to learn the essentials of Spanish grammar and the vocabulary needed for effective communication in everyday situations. Outside preparation using the Internet or other audio-visual materials is required. Students are expected to communicate in the present and preterit tenses in Spanish. SPAN 102 fulfills the SUNY General Education Foreign Language requirement.



INTERMEDIATE SPANISH I (SPAN 201)

Grade Level: 11-12. Credits: 1 NHS/3 TC3.

Prerequisite: SPAN 102 with a grade of 80 or better.

This is an intermediate Spanish course focusing on speaking, reading, writing and listening comprehension. Grammar learned in first-year Spanish is reviewed. Major emphasis on improving oral communication skills and reading comprehension. Students explore different aspects of the cultures, history and current events of the Spanish-speaking world. Outside preparation using the Internet or other audio-visual materials is required. Students are expected to communicate in the present, past and future tenses in Spanish. Oral presentations are required. Course is conducted exclusively in Spanish. SPAN 201 fulfills the SUNY General Education Foreign Language requirement.

INTERMEDIATE SPANISH II (SPAN 202)

Grade Level: 11-12. Credits: 1 NHS/3 TC3.

Prerequisite: SPAN 201 with a grade of 80 or better.

This is a continuation of Intermediate Spanish I. A major emphasis is placed on helping students to improve their oral communication skills and reading comprehension. Students continue to explore different aspects of the culture, history, and current events of the Spanish speaking world. Outside preparation using CD-ROMs, the internet, or other audio-visual materials may be required. Students are expected to be able to communicate in the present, past, and future tenses in Spanish and should be able to use indicative, subjunctive and imperative moods. The class is conducted exclusively in Spanish. SPAN 202 fulfills the SUNY General Education Foreign Language requirement. Prerequisites: SPAN 201.

MATH

EMERGING

Algebra

Algebra 1A

Algebra 1B

INTERMEDIATE

Geometry

Algebra II

ADVANCED

PreCalculus

AP Calculus/
Math 161

ELECTIVES

Elementary
Statistics

Financial Math

SAT Prep -
Math



Mathematics

NYS LEARNING STANDARDS FOR MATHEMATICS, SCIENCE AND TECHNOLOGY

Each mathematics course is designed to support the eight standards for mathematical practice.

Standard 1

Make sense of problems and persevere in solving them.

Standard 2

Reason abstractly and quantitatively.

Standard 3

Construct viable arguments and critique the reasoning of others.

Standard 4

Model with mathematics.

Standard 5

Use appropriate tools strategically.

Standard 6

Attend to precision.

Standard 7

Look for and make use of structure.

Standard 8

Look and express regularity in repeated reasoning.

ALGEBRA I

Grade Level: 9-10. Credit: 1.

Prerequisite: Math 8 with a final average of 75 or higher with teacher recommendation.



Topics include expressions, equations and inequalities, connections to functions and modeling, graphing in the coordinate plane, problem solving, statistics, and introduction to trigonometry in a right triangle. At the conclusion of this course, students will take the NYS Common Core Algebra Regents Exam. Students needing extra support before attempting Algebra may be placed in Algebra IA.

GEOMETRY

Grade Level: 9-11. Credit: 1.

Prerequisite: Algebra I and its Regents Exam.

Topics include geometric relationships, constructions, formal and informal proofs, transformational geometry, and coordinate geometry, 2- and 3-dimensional properties of geometric figures. At the conclusion of this course, students will take the NYS Common Core Geometry Regents Exam.

GEOMETRY ESSENTIALS

Grade Level: 10-12. Credit: 1.

Prerequisite: Successful completion of Algebra I.

Focuses on reinforcing Algebra skills and linking them to essential geometry concepts. Topics include constructions, coordinate geometry, 3-dimensional properties of geometric figures, transformational geometry, and an introduction to trigonometric functions. Students will be expected to complete projects based around class concepts.

ALGEBRA II

Grade Level: 10-12. Credit: 1.

Prerequisite: Geometry course and its Regents Exam.

This course is a continuation and extension of Algebra and Geometry Topics will include imaginary and complex numbers, polynomial, absolute value, radical, trigonometric, exponential and logarithmic functions, direct and indirect variation, systems of equations, measures of dispersion, and the analysis of regression, arithmetic and geometric series, probability theory, right-triangle trigonometry, transformations of functions, circular functions, and trigonometric equations and identities. At the conclusion of this course, students will take the Algebra II Regents Exam.

SELECTED TOPICS IN PRECALCULUS (MATH 147)

Grade Level: 11-12. Credits: 1 NHS/3 Morrisville.

Prerequisite: 70 or higher average in Algebra II with a 65 or higher on the Algebra II Regents Exam.

Morrisville College concurrent enrollment course that allows students the opportunity to earn high school and college credit concurrently, at no cost to the student. Topics include: Functions and their inverse; Polynomial functions; Operations on complex numbers; Rational functions and their graphs; Trigonometric identities; Inverse trigonometric functions; Trigonometric equations. Emphasis on calculator solutions. (TI-83 plus or TI-84 plus required) This course satisfies the Liberal Arts and Sciences requirement and the SUNY General Education Requirement for Mathematics.

CALCULUS I (MATH 161)

Grade Level: 11-12. Credits: 1 NHS/4 Morrisville.

Prerequisite: MATH 147: Pre-Calculus with a final average of 77 or higher.

This is a dual credit and AP Calculus combined class. Students will begin by reviewing topics in algebra and analytic geometry. Students will also explore concepts of limit and derivative of a function, differentiation and integration of algebraic functions as well as differentiation of trigonometric and logarithmic functions. Students will also engage in applications to engineering. Students will sit for the AP exam in May and also receive college credit for this course.

AP STATISTICS

Grade Level: 11-12. Credits: 1 NHS

Prerequisite: Prerequisite: 70 or higher average in Algebra II with a 65 or higher on the Algebra II Regents Exam.

This is an advanced placement statistics course that acquaints students with probability and statistics. Topics of study include: graphs, tables, frequency distributions, measures of central tendency and dispersion, normal distribution, correlation and regression, probability, and inferential statistics. Students will sit for the AP exam in May and also receive college credit for this course.

FINANCIAL MATH

Grade Level: 10-12. Credit: 1.

Prerequisite: Successful completion of Algebra I

Covers the basic concepts relating to lifetime financial planning, including choosing a career, setting financial goals, measuring financial performance, budgeting, reducing taxes, evaluating savings programs, acquiring and using credit, evaluating housing options and understanding insurance needs. Topics include Car Buying (lease vs. buy, new vs. old, repair costs, fuel costs, insurance, Consumer Reports, resale value); Travel (plan a trip, budget, travel expenses, transportation, sightseeing, exchange rates, cell phone costs, credit card fees); and Life Choices (where to live, buying vs. renting, rent-to-own vs. buying, wages, etc.).

SAT PREPARATION - MATH

Grade Level: 10 - 11. Credit: .5 (scheduled in conjunction with SAT Preparation - English.

In addition to reviewing the basic verbal and mathematical skills assessed on the SAT test, students will learn test-taking strategies specific to the exam in this course. Material includes samples with explanations, grading rubrics for peer and self-assessment, practice tests with complete multiple-choice assessments, essays prompts, and study resources. Independent practice is followed by guided collaborative review. Upon successful completion, students will possess the tools necessary to complete the SAT to the best of their ability.

SCIENCE

EMERGING

Living Environment
(Regents Exam)

Earth Science
(Honors)
(Regents Exam)

INTERMEDIATE

Biomedical
Science PLTW

Chemistry
(Regents
Exam)

Physics
(Regents
Exam)

ADVANCED

AP Biology

AP Chem/Chem
145/146

ELECTIVES

Scientists who
changed the
world

Zoology

Waves/
Optics and
Sound

Anatomy

Botany

Microbiology

Forensic
Science



Science

Our science courses are designed to prepare students for college, careers and the scientific world. Science classes include Regents, Advanced Placement, introductory and exploratory levels. All courses incorporate standards from the NYS core curricula and the Next Generation Science Standards.

LIVING ENVIRONMENT

Grade Level: 9-10. Credit: 1.

This course features class lecture, discussion and lab work. Topics include cells, classification, evolution, human biology, genetics, reproduction, biochemistry and ecology. A NYS laboratory requirement must be met to take the Regents and/or receive credit for the course.



EARTH SCIENCE

Grade Level: 9-10. Credit: 1.

This course helps students understand everyday questions about the planet on which they live. Fundamental concepts covered include Geology, Meteorology and Astronomy. A NYS laboratory requirement must be met to take the Regents and/or receive credit for the course.

EARTH SCIENCE HONORS

Grade Level: 9. Credit: 1.

Prerequisite: Living Environment with a final average of 90 or higher and mastery on Living Environment Regents Exam.

This course offers students who excel in Living Environment and Math an opportunity to study Earth Science topics in greater depth. Students will gain a deeper understanding of Geology, Meteorology and Astronomy through independent and group problem solving. Labs will be rigorous, with write-ups modeling scientific research papers.

CHEMISTRY I (CHM 145)

**Grade Level: 11 or 12. NHS credit: 1/
SUNY Broome credit: 4-8.**

**Prerequisite: Successful completion
of Regents Chemistry and Algebra II**

This is an introductory college-level course for science or engineering students. Topics include dimensional analysis, stoichiometry, periodicity, atomic structure and bonding, states of matter, solutions, and acid and base concepts. The laboratory exercises exemplify chemical principles and develop individual problem-solving abilities. The laboratory experience includes preparation of the laboratory report and notebook. Students will sit for the AP exam in May and earn college credit.



CHEMISTRY II (CHM 146)

**Grade Level: 11 or 12. NHS credit: 1/SUNY Broome
credit: 4-8.**

Prerequisite: General Chemistry I (CHM 145)

This is the continuation of Chemistry I. Topics include dimensional analysis, stoichiometry, periodicity, atomic structure and bonding, states of matter, solutions, and acid and base concepts. Any topics not completed in Chemistry I will be completed in Chemistry II. The laboratory exercises exemplify chemical principles and develop individual problem-solving abilities. The laboratory experience includes preparation of the laboratory report and notebook. Students will sit for the AP exam in May and earn college credit.

PHYSICS

Grade Level: 10-12. Credit: 1.

**Prerequisite: Geometry and Living
Environment.**

Physics includes an overview of scientific principles and procedures, and leads students toward a clearer understanding of motion, energy, electricity, magnetism, and waves. As students refine and expand their understanding of physics, they will apply their knowledge in experiments that require them to ask questions and create hypotheses. Students will solve mathematical problems, reason abstractly, and learn to think critically. A NYS laboratory requirement must be met to take the Regents and/or receive credit for the course.



AP BIOLOGY

Grade Level: 11-12. Credit: 1.

**Prerequisite: Living Environment, Chemistry,
Physics, Algebra and Geometry Regents Exams
(Physics may be taken concurrently).**

This is a first-year college biology course for the highly motivated student. It is designed to be the equivalent of a college introductory biology course. Students will take the AP Biology Exam in May. Students have the opportunity to earn college credit with successful completion of the AP Exam.

ZOOLOGY

Grade Level: 10-12. Credit: .5

Prerequisite: Living Environment

This course is going to follow the evolutionary history of Eukaryotes with a detailed study of the Animalia kingdom. The chordates will be broken up and explored in detail. There are several dissections of various organisms planned. The goal of the class is to give you a greater appreciation for the diversity of life on Earth and increase your curiosity into the natural world. Students will take Zoology first semester and Botany second semester.

ANATOMY

Grade Level: 11-12. Credit: .5

**Prerequisite: Living Environment,
Earth Science, Chemistry.**

This course is going to explore how the human body works from the complete organism, to organ systems, to organs, to cells, to cell organelles. The goal of the class is to give you a greater appreciation for how the human body works. Students will take Anatomy first semester and microbiology second semester.



BOTANY

Grade Level: 11-12. Credit: .5

Prerequisite: Living Environment and Earth Science.

This course is going to explore plants from the roots to the leaves. We will be dissecting plants, growing plants, eating plants and using plants in various experiments. Some possible planned activities are growing garden and house plants, exploring how plants are used in food and medicine, making maple syrup, and forest management. The goal of the class is to give you a greater appreciation for the diversity of plant life on Earth and its importance in daily life. Students will take Zoology first semester and Botany second semester.

MICROBIOLOGY

Grade Level: 11-12. Credit: .5

**Prerequisite: Living Environment,
Earth Science, Chemistry**

This course is going to explore all the tiny things that live around us from bacteria, to fungi, to viruses and more. We will be using microorganisms to solve all sorts of science problems and gain a better understanding of why they are so important. There are several labs planned that will use bacteria, molds, yeasts, and other single celled organisms. The goal of the class is to give you a greater appreciation for the diversity of microscopic life on Earth and increase your curiosity of the microscopic world. Students will take Anatomy first semester and microbiology second semester..





FORENSIC SCIENCE

Grade Level: 11-12. Credit: 1.

Prerequisite: Living Environment and Earth Science. CSI. NCIS. Criminal Minds. Entertainment has exploded around the concept of forensic science and often the shows made about these scientists are topping charts. What is science really though? How does it work? Are these scientific principles good enough to trust for convictions, and sending people to prison? This class aims to answer these questions and more. We will systematically cover each of the major branches of forensic science and look at how the science is really done. The course will include classwork and laboratory work, extensive writing, mathematical analysis, and field work. This class is designed for students that have completed Living Environment and Earth Science, and will strongly favor students who also have a background with Chemistry.

BIOMEDICAL SCIENCE

Grade level: 10-12. Credit: 1.

Prerequisite: One Regents level science

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

WAVES: OPTICS AND SOUND

Grade Level: 10-12. Credit: 0.5

Prerequisite: Geometry.

Why do we hear and see things the way we do? Come learn about the physical properties of light and sound. During the study of light you will learn about color, lenses, images, optical illusions, refraction, fiber optics, lasers, LEDs, the electromagnetic spectrum, and more. While studying sound you will learn about pitch, volume, speed, and the acoustics of instruments. Laboratory investigations and projects will be completed. Students should be able to solve algebraic and geometric equations with a calculator.

SCIENTISTS WHO CHANGED THE WORLD: A BIOGRAPHICAL STUDY

Grade Level: 11-12. Credit: 0.5

Prerequisite: 3 science credits*

Take a deeper look at the top scientists whose discoveries and inventions have changed the world. We will use books, articles, and videos to learn about the lives of great scientists. Some of their experiments will be replicated to gain a deeper understanding of their discoveries. We will also look at how their scientific discoveries have changed our culture. This course will be reading and writing intensive.

**This course does not count toward the three required science credits, since it is a more historical approach to learning about science.*

SOCIAL STUDIES

9TH GRADE GLOBAL HONORS

10th grade
AP World History
(Regents Exam)

11th grade
AP US History,
(Regents Exam)

12th grade
College Government
& Economics

ELECTIVES

AP European
History

Psychology

The Film
Experience

World
Geography

9TH GRADE

Global 1

10TH GRADE

Global 2
(Regents Exam)

11TH GRADE

US History
(Regents Exam)

12TH GRADE

College
Government &
Economics



Social Studies

NYS K-12 SOCIAL STUDIES FRAMEWORK

Civics, Citizenship and Government

Social Studies directly equips students with the foundational knowledge and skills that are necessary to understand and ask important questions in a rapidly changing world. Social Studies can inspire the minds and hearts of young citizens to deeply engage in their local, state, national and global communities as agents of change. In this way, Social Studies supports the moral imperative of our schools to prepare educated and engaged citizens, which is at the heart of a healthy democracy.

GLOBAL HISTORY AND GEOGRAPHY I

Grade Level: 9. Credit: 1.

This course begins with the Paleolithic Era and the development of the first civilizations, examination of classical societies, and traces the expansion of trade networks and their global impact. Students will learn through an emphasis on key themes of interactions over time, shifts in political power, and the role of belief systems. This course focuses on the importance of historical and spatial thinking, but all social studies practices and standards are included.



GLOBAL HISTORY AND GEOGRAPHY II

Grade Level: 10. Credit: 1.

This course provides a snapshot of the world circa 1750, then continues chronologically up to the present. Several concepts are woven throughout the course, including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The last three Key Ideas focus on global issues, applying a more thematic approach. Students will focus on the importance of historical and spatial thinking. This course culminates in a Regents examination..



AMERICAN NATIONAL GOVERNMENT (POSC 103)

NHS Credit: .5/TC3 Credit: 3

This course introduces the discipline of political science through the study of American government. Topics include the concept of the political system, democracy in theory and practice, the historical background and content of the Constitution, Federalism, and the role of the Supreme Court in civil rights. It stresses these aspects of the American political system: public opinion, voting behavior, the electoral system, political parties, and modern campaigning techniques.

INTRODUCTION TO ECONOMICS (ECON 101)

NHS Credit: .5/TC3 Credit: 3

This course will focus on the introduction of economic theory and its relevance to daily life in a market economy. Topics include: scarcity, supply and demand, choice, economic growth, taxation and the role of government in the economy. Attention is given to current economic issues and their impact upon everyday life.

AP UNITED STATES HISTORY

Grade Level: 11. Credit: 1.

This course is designed to provide students with analytic skills and deep factual knowledge. Students learn to assess historical materials—their relevance to a given interpretive problem, their reliability and their importance—and to weigh the evidence and interpretations presented in historical scholarship. Students will develop skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students are required to take the AP U.S. History exam in May and the U.S. History Regents in June. Students are required to complete summer assignments at the discretion of the teacher. Those who do not complete summer assignments will be immediately removed from the class.

UNITED STATES HISTORY AND GOVERNMENT

Grade Level: 11. Credit: 1.

The content of this course begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written in the Constitution. The development of the nation and the political, social and economic factors that led to the challenges our nation faced in the Civil War are addressed. Industrialization, urbanization and the accompanying problems are examined, along with America's emergence as a world power, the two world wars of the 20th century, and the Cold War. Students explore the expansion of the federal government, the threat of terrorism, and the place of the United States in an increasingly globalized and interconnected world. This course culminates in a Regents examination.

AP EUROPEAN HISTORY

Grade Level: 12. Credit: 1.

Honors class with an AP examination. The study of European history since 1450 introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which we live. In addition to providing a basic narrative of events and movements, goals are to develop an understanding of some of the principal themes in modern European history, an ability to analyze historical evidence and interpretation, and an ability to express historical understanding in writing. Students required to complete summer assignments at the discretion of the teacher. Those who do not complete summer assignments will be immediately removed from the class.

AP WORLD HISTORY: MODERN

Grade Level: 10

**Prerequisite: Global I; 90 average
and successful application approval**



In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

PSYCHOLOGY

Grade Level: 10-12. Credit: 1.

This is an introduction to the study of psychology, which encompasses the scientific study of behavior and mental processes as well as what influences them. The goal is to help students obtain a basic understanding of psychology while beginning to look into why humans do what they do over the course of their lives. Also includes introspection on themselves as subjects. Course covers aspects of psychology such as the study of the human brain with regard to brain impulses, responses, memories, chemicals, and processing; the study of social psychology with regard to how a person's thoughts, attitudes and perception are impacted by the prejudices, discrimination, interpersonal relationships, aggression, criminal behavior and motivation of others in society; and the study of abnormal psychology, in which students will learn about psychological disorders and how they are treated.



THE FILM EXPERIENCE (HUMN 210)

Grade Level: 10-12.

Credits: 1 NHS/3 Morrisville.

This course is designed to help students understand film better as an art or craft (like literature), as a business and industry, and as a cultural institution that reflects (and in some instances creates) cultural values. Class material will introduce students to the “language” of film, allowing them to broaden their definition and appreciation of film beyond mere “entertainment.” Students will learn and study the important elements of film, then practice using these elements to critically analyze and interpret films. Students will approach films as carefully constructed pieces of art with important themes for viewers to interpret. Students also will consider how film often acts as a mirror to our culture and society, reflecting and/or influencing important issues.



WORLD REGIONAL GEOGRAPHY (GEOG 101)

Grade Level: 10-12.

Credits: 1 NHS/3 Morrisville.

This course introduces basic geographical concepts and an overview of the geography of the world. Students examine the world’s major cultural regions, with emphasis on geographical aspects of contemporary economic, environmental, social and political relationships with the physical environment. Broader themes include connections among local and global ways of life in various world regions and the persistence of traditional cultures in the face of increasing socioeconomic and political interdependency.



TECHNOLOGY

EMERGING



Draft and Design

INTERMEDIATE



Drone Aviation

ADVANCED



Introduction to
Engineering Design
(PLTW)

Civil Engineering
and Architecture
(PLTW)





Technology

NEW YORK STATE STANDARDS

Standard 1

Students will use mathematical analysis, scientific inquiry and engineering design, as appropriate, to pose questions, seek answers and develop solutions.

Standard 2

Students will access, generate, process and transfer information using appropriate techniques.

Standard 3

Students will understand mathematics and become mathematically confident by communicating and reasoning mathematically, by applying mathematics in real-world settings, and by solving problems through the integrated study of number systems, geometry, algebra, data analysis, probability and trigonometry.

Standard 4

Students will understand and apply scientific concepts, principles and theories pertaining to the physical setting and living environment, and recognize the historical development of ideas in science.

Standard 5

Students will apply technological knowledge and skills to design, construct, use, and evaluate products and systems to satisfy human and environmental needs.

Standard 6

Students will understand the relationships and common themes that connect mathematics, science and technology, and apply the themes to these and other areas of learning.

Standard 7

Students will apply the knowledge and thinking skills of mathematics, science and technology to address real-life problems and make informed decisions.



DESIGN, DRAWING & PRODUCTION (DDP)

Grade Level: 9-10. Credit: 1. Prerequisite: None.

This course encourages visual problem-solving using a common graphic language to describe forms in the human-made environment. To enable the student to analyze, creatively design, and critically evaluate these forms, the syllabus requires researching for historical precedents, cultural references, environmental impact, and future vision. Students will learn technical design and drafting skills, both hand-drawn and through the use of CAD software (Autodesk Fusion 360). Students will also have opportunities to produce their designs using different technologies, including 3D printers, and shop equipment and tools. This is a foundational course that will equip students with useful life skills, as well as prepare those interested in a STEAM career for other courses offered in subsequent grade levels.

INTRODUCTION TO ENGINEERING DESIGN (PLTW-IED)

**Grade Level: 10-11. NHS credit: 1/RIT credit: 3
Prerequisite: Algebra & DDP.**

PLTW-IED is a high school engineering course in the PLTW Engineering Program. In IED, students explore engineering tools and apply a common approach to the solution of engineering problems using an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students progress from completing structured activities to solving open-ended projects and problems that require them to plan, document, communicate, and develop other professional skills. Through both individual and collaborative team activities, projects, and problems, students apply systems thinking and consider various aspects of engineering design. This course is ideal for students who may be interested in a future STEAM career, particularly in engineering and design. It also offers college credit through RIT if specific end-of-course requirements are met.

DRONE AVIATION

Grade Level: 10-12. Credit: 1. Prerequisite: None

This course will introduce students to drones and their many applications. The course will progressively (simulator, indoor flying, outdoor flying) teach students how to safely and responsibly fly different types of drones, while also exploring the growth of drone use and their many applications across multiple industries. The course will also include the preparation of students to take the FAA Part 107 Remote Pilot exam, which will certify students to operate drones commercially as well as recreationally, in a fast-growing industry with increasing opportunities for skilled, qualified drone pilots. An element of robotics and automated flying will also be implemented in future courses, further enhancing the student STEAM experience.

CIVIL ENGINEERING & ARCHITECTURE (PLTW-CEA)

**Grade Level: 11-12 . NHS credit: 1/RIT credit: 3
Prerequisite: Algebra, Geometry, Algebra II & PLTW-IED.**

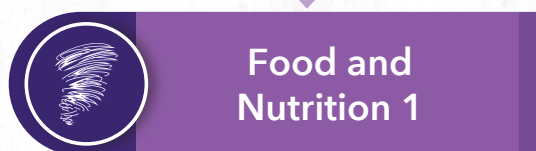
PLTW-CEA is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development, as well as an overview of available career opportunities. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software (Autodesk Revit). Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. This course is aimed at students who are considering future study and a career in architecture and civil engineering or have a keen interest in how structures are designed, engineered, and built.

PHYSICAL EDUCATION, HEALTH & CONSUMER SCIENCE AND WELLNESS

EMERGING



INTERMEDIATE



ADVANCED



ELECTIVES



Health, PE and Family Consumer Science



NEW YORK STATE STANDARDS

Standard 1: Personal Health and Fitness

Students will have the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity, and maintain personal health.

Standard 2: A Safe and Healthy Environment

Students will acquire the knowledge and ability necessary to create and maintain a safe and healthy environment.

Standard 3: Resource Management

Students will understand and be able to manage their personal and community resources.

HEALTH COURSES

HEALTH

Grade Level: 9-12. Credit: 0.5.

Required for graduation. This course is designed to meet the specific needs of freshman students. Activities will include teacher presentations, class discussions, research projects, audio/visual and guest speakers. Units of study deal with infectious diseases, degenerative diseases, human reproduction, STDs, parenting skills, mental and emotional health, physical health, tobacco, alcohol, and other drugs.

PHYSICAL EDUCATION COURSES

PHYSICAL EDUCATION

Grade Level: 9-12. Credit: 0.5.

This course is structured to meet the New York State learning standards, which are met through instruction and participation in a wide variety of units. Designed to foster lifelong learning and participation in activities.



SOLUTIONS IN FITNESS AND WELLNESS (PED 118)

Grade Level: 11-12. Credit: NHS .5 /SUNY Broome 2.5

Prerequisite: A grade of 85 or higher in PE 9 & PE 10

Students will participate in an individualized fitness program. Each student will be tested for fitness levels in cardio-respiratory, muscle strength and endurance, flexibility and body composition. Results of the profile will help determine a workout routine for classroom activity. Discussions on chapter topics (including Wellness topics) and tests will assist students in making healthy lifestyle choices.

SOLUTIONS IN FITNESS AND WELLNESS (PED 119)

Grade Level: 11-12. Credit: NHS .5 /SUNY Broome 2.5

Prerequisite: PED 118

Students will participate in an individualized fitness program. Each student will be tested for fitness levels in cardio-respiratory, muscle strength and endurance, flexibility and body composition. Results of the profile will help determine a workout routine for classroom activity. Discussions on chapter topics (including Wellness topics) and tests will assist students in making healthy lifestyle choices.

EXPLORING HEALTHY LIFESTYLES (PED 168)

Grade Level: 12. Credit: NHS .25 / SUNY Broome 1.

Prerequisite: PED 118 & 119

This course is a theoretical classroom approach to assessing and evaluating healthy pathways in life. Students will explore and analyze the components of diet and exercise that can be chosen which may lead to a happier and healthier life. Emphasis is placed on making educated decisions and using the self-motivation and discipline necessary to make changes leading to a more active healthy lifestyle.



PRINCIPLES OF TRAINING AND CONDITIONING (PED 171)

Grade Level: 12. Credit: NHS .25 /SUNY Broome 1.

Prerequisite: PED 168

Students will learn the principles of physical fitness and training, as well as the effects of training on various systems of the body. With this knowledge, they will organize, assemble, and present their own personal life-long fitness programs.

FAMILY & CONSUMER SCIENCE COURSES

FOOD AND NUTRITION

Grade Level: 10-12. Credit: 1.

Elective for students who like to eat! Learn basic and advanced cooking techniques to prepare food for yourself and others. Cooking labs give you firsthand experience in preparing different dishes, such as appetizers, entrees, desserts, ethnic foods and more. Emphasis on selecting foods and recipes that will lead to a lifelong healthy lifestyle.

FOOD AND NUTRITION (2)

Grade Level: 10-12. Credit: 1.

Prerequisite: Food and Nutrition.

Elective for students who want to study foods at a high level. Building on the principles and concepts learned in Food and Nutrition (basic nutrition, recipe identification, measuring, kitchen safety, and food preparation), this course further explores the concepts of food costs associated with meal planning and ingredient availability and their effect on meal preparation and preservation. Examines regional foods of the United States as well as the cultural influences that impact those regions. While also examining the cultural and societal influences that impact those foods, students will learn about the environmental, economic and societal variables that influence various cuisines as we prepare dishes from those cultures and regions.

ISSUES, PHILOSOPHY, AND FOUNDATIONS OF EDUCATION (EDUC 106)

Grade Level: 10-12.

Credit: 1/NHS and 3 SUNY Oneonta.

This course provides first-year teacher candidates with an introduction to several fundamental education issues facing society as well as a look at the philosophical, historical, sociological, and ethical bases of American K-12 schools. Specific goals for students include understanding and using some of humanity's most important and challenging ideas, developing good academic skills (reading, writing, speaking, listening), and learning about the values and rigors

of academic discipline including portfolio development. In particular, students will examine educational issues and beginning development of educational professional skills with strong emphasis on writing. This course includes field experience.

CHILDREN IN FAMILIES (HDFS 1100)

Credit: NHS 1/SUNY Oneonta 3

This course covers a base knowledge of the child in the biosocial, psychological, cognitive areas of development from prenatal stages until adolescence in the context of the family setting. The institution of the family and its impact on the development of the child is the major focus. Students are required to observe and interact with children in a lab setting.

CHILD GROWTH AND DEVELOPMENT (EPSY 2040)

Credit: NHS 1 /SUNY Oneonta 3

This course focuses on the study of human development from infancy through early adolescence, including physical, cognitive, social, and emotional aspects. This course also addresses the application of theories and research of child development to educational contexts. Field experiences are required.

MORRISVILLE EDGE PROGRAM

This program allows students to take 2 college level courses fully online. These courses are asynchronous, meaning they do not have a set class time. Students will need to work diligently and use time management skills to complete their course work on time.

INTRODUCTION TO PSYCHOLOGY (PSYC 101)

Grade Level: 12. Credits: 1 NHS/3 Morrisville.

Includes an introduction to the scientific study of behavior, mental processes and the influences upon them. Also covers major theories and findings in psychology, including learning, cognition, abnormal psychology and others.

INTRODUCTION TO SOCIOLOGY (SOCI 101)

Grade Level: 12. Credits: 1 NHS/3 Morrisville.

Introduction to sociological concepts, with description and analysis of the structure and dynamics of human society. Consideration of contemporary social institutional trends and of the reciprocal relationship among individuals and institutions.



BOCES

CAREER AND TECHNICAL EDUCATION PROGRAM FOR HIGH SCHOOL STUDENTS

CTE is a comprehensive program of study that combines academic preparation, hands-on learning and technical-skill training based upon industry-recognized standards. CTE programs engage students in mastery learning to develop technical skills, employability traits and academic competencies within a specific field of study. More information can be accessed at <http://www.learnatboces.com/hs-career-education>.

In order to qualify to attend a CTE program, Norwich students must be on track to graduate, passing all classes, and not be considered chronically absent (missing 2 or more school days per month.)

AUTO COLLISION REPAIR AND REFINISHING TECHNOLOGY

Grade Level: 11-12.

This is a two-year program that prepares students for careers in the field of auto body repair, restoration, related services and industries.

This program offers in-depth training in:

- Collision Repair
- Automotive Restoration
- Painting
- Detailing

Potential candidates for this trade must be creative, have limitless imagination, patience and an incredible eye for detail. Students learn important skills such as:

- Sheet Metal Fabrication
- Welding

- Frame Straightening
- Custom Painting
- Business Skills, including Estimating & Customer Service

The state-of-the-art collision facility provides tomorrow's technicians the ability to learn the trade in a modern professional atmosphere. Students will learn the theory behind the principles of automotive collision repair, then apply what has been learned in the shop through hands-on training. Upon completion of the first year, students will explore career opportunities through work internships at a local business.

Work experience could be at an automotive dealer, independent body shop, equipment manufacturer or auto parts store. Once the student has completed the program, they will have the skills needed to enter the local job market.

AUTOMOTIVE TECHNOLOGY

Grade Level: 11-12.

This is a two-year program that prepares students for careers in the field of automotive repair services. Students gain experience in traditional automotive repair methods as well as state-of-the-art, computerized diagnostic equipment and repair. Some of the areas students explore may include automotive electronics, exhaust systems, suspensions and emissions control.

The field of automotive repair has become highly technical in nature. To be considered competitive for employment, certification for a technician is critical. The majority of jobs in this field require additional education beyond high school, such as vocational training and/or an associate's degree.

CARPENTRY AND BUILDING CONSTRUCTION

Grade Level: 11-12.

This is a two-year program that prepares students for careers in the field of building construction. Classroom instruction combined with technical training assists students in developing skills for a variety of jobs in the construction field. Students gain valuable skills as they collaborate in the construction of a site-based modular home. They also construct sheds for community members, participate in masonry, framing, plumbing, roofing, electrical and finishing. Additionally, students study blueprint reading, use highly technical tools such as laser levels and develop specialized skills in woodworking and cabinet making. This program serves as preparation to enter the local job market and allows students wishing to further their studies of architecture and engineering at the college level.

COMPUTER TECHNICIAN / NETWORKING

Grade Level: 11-12.

This is a two-year program for computers and computer-related fields, which are today's fastest-growing career areas. Join the action through lab experiments and live projects that teach basic and advanced computer skills. Students will be involved in the construction, operation and repair of PC systems and devices. Networking PC systems on the Internet is implemented by using routers, switches and cable installations. Industry Certifications (A+ and Cisco Networking) are attainable. College credit is available to Computer Technician and Networking students.

CONSERVATION AND EQUIPMENT TECHNOLOGY

Grade Level: 11-12.

This is a two-year program covering the broad fields of equipment repair, equipment operation, and forestry and natural resources. First-year students will learn the basics for a variety of career fields and gain experience using various equipment and field specific tools. Second-year students have the option to specialize in one of the three mentioned fields. These students will use their skills learned the previous year and new technology to

accomplish jobs such as road building, foundation digging, septic system installation, maple syrup production, firewood production and woodlot management, to name a few.

COSMETOLOGY & NAIL TECHNICIAN

Grade Level: 11-12.

Do you enjoy fashion and want to make a difference in someone's life? The beauty industry offers many exciting careers. Whether you want to be a beauty professional offering hair, skin and nail care to your clients or you desire owning a salon or spa, this is the program for you. In this 1,000-hour program, students obtain the skills necessary to meet the criteria for the New York State Licensing exam. Students also learn salon operations, along with academic integration that prepares them for salon-business management. A professionally equipped salon allows students to practice the theory that they have learned in the classroom. Skills in communication, team building, professionalism, ethics and problem solving are also integral parts of the program. As the field of Cosmetology becomes more competitive, importance is placed upon high levels of motivation and professionalism.

CULINARY ARTS

Grade Level: 11-12.

This is a two-year program that prepares students for careers in the field of food service and hospitality. Students learn the necessary skills to be successful in the primary areas of Culinary Arts, such as baking and pastry arts, restaurant operations, fine dining, catering and banquet operations, and many more exciting career opportunities. Students first focus on the basics, including safety and sanitation, knife skills and cooking techniques and then they move on to more advanced learning, such as garde manger (preparation of cold foods), meats, specialty desserts and food service management. Academic integration and leadership development are important elements to the curriculum, and students engage in catering special events, participating in culinary shows and demonstrations, and visiting culinary schools within New York. Students also participate in internships at local eateries and bakeries and have the opportunity to obtain a five-year ServSafe certification offered through the National Restaurant Association.

EARLY CHILDHOOD DEVELOPMENT

Grade Level: 11-12.

This is a two-year program that prepares students for careers in the education of preschool-age children and childcare operations. This program focuses on teaching and working with children and offers site-based preschool program. Students gain valuable knowledge in child development and guidance, preparing learning experiences, safe environments, and proper nutrition for healthy children. Students also investigate career pathways and cultivate the characteristics of successful teachers and childcare providers. Students take what they learn in theory and apply that knowledge in the preschool program, to meet the developmental and educational needs of the children.

NURSING ASSISTANT

Grade Level: 11-12.

The two-year Nursing Assisting (CNA) program prepares you for an entry-level position within the healthcare field. Gain the skills necessary to care for patients and residents in acute and long-term care settings. Learn the beginnings of basic nursing care such as anatomy and physiology, growth and development, emergency care, and hands-on personal care. Hands-on skills are first learned in the nursing lab prior to entering the clinical setting. The clinical experience is required and performed in the hospital and area nursing homes under the supervision of a Registered Nurse. Students who complete this course will be able to sit for the NYS CNA certification exam. NYS CNA certification allows for entry-level employment into Long Term Care and opens doors for those interested in the acute care and home care settings. Successful completion of this program also leads to Professional CPR and First Aid certification.

SECURITY AND LAW

Grade Level: 11-12.

Do you have an interest in law enforcement, security or corrections? If so, this two-year program is for you. Our nation is putting more resources than ever into homeland security and we are experiencing increased demand for criminal justice experts. This nationwide increase in demand is host to a number of exciting opportunities. If you're fascinated by these possibilities and are passionate about helping others and defending values, you can move forward with your criminal justice education and develop a solid foundation for many exciting careers. Students study law, police operations, crime scene management, courts, corrections and security operations. In addition to integrated academic study, police procedures such as stop-and-frisk, probable-cause arrest, handcuffing, fingerprinting, self-defense, use of force, firearms, forensics, vehicle stops, dispatch, report writing, CPR/First Aid, and more are taught hands-on.

VISUAL COMMUNICATIONS

GRAPHIC DESIGN

Grade Level: 11-12

Visual Communications is a two-year program to further your education and gain employment in the design field. Through instruction and hands-on application of knowledge, learn what makes a design work and how color, type and imagery work together to create an effective composition. Apply art to technology in the production of visuals using hardware and software that mirrors what is used in the design field. Also helps you prepare a professional portfolio, which is a requirement for admission to college art or design programs, as well as for employment. Colleges and universities offer extensive degree options for those looking to work in the Visual Communications field. Upon completion, you will be granted college credit through one of our articulation agreements. For those who have thought about working in Advertising, Graphic Design, Animation, Game Design, Video Production or Photography.

WELDING

Grade Level: 11-12.

A two-year program that prepares students for careers in welding. Students master skills of the trade established by the American Welding Society. Academic instruction, along with technical training, offers students valuable skills for entry-level employment. Improve skills in shielded metal arc-welding, gas tungsten arc-welding, gas metal arc-welding, Flux-cored arc welding, flame cutting and plasma cutting. Gain skills in metal fabrication on both plate and pipe as well, and refine skills by practicing blueprint reading for welding.

NEW VISIONS ALLIED HEALTH

Grade Level: 12.

New Visions Allied Health is a one-year program that offers high school seniors the opportunity to explore careers existing within the healthcare field. New Vision students explore career options not offered at the home school. This dynamic program grants students an interdisciplinary curriculum with practical experiences in professional settings at local healthcare facilities and hospitals. For students interested in pursuing post-secondary study in Allied Health careers, this innovative program includes immersion experiences that will meet requirements in CTE studies, senior English and senior Social Studies. Students have opportunities to experience rotations in physical therapy, maternity and pediatrics, to name a few. Furthermore, students have opportunities to earn college credit in English, giving them a head start in college. This program serves as an excellent preparation for students going to college in a related Allied Health major.

NEW VISIONS LAW AND GOVERNMENT

Grade Level: 12.

New Visions Law and Government is a one-year program that offers high school seniors the opportunity to explore careers existing within law and government. New Vision students explore career options not offered at the home school. This dynamic program grants students an interdisciplinary curriculum with practical experiences in professional settings at local law and government organizations. An exploration for students interested in pursuing post-secondary study in law and government careers, this innovative program includes immersion experiences that will meet requirements in CTE studies, senior English, and Social Studies. The subject matter covered throughout the course includes a variety of legal studies, including contracts, evidence and trial procedure, to name a few. Also covers topics in government and political science, including frequent review of current local, state and federal issues and the politics involved in new and old legislation. Furthermore, students have opportunities to earn college credit in English and Government, giving them a head start in college. This program serves as an excellent preparation for students going to college in a related law and government major.

Note: The courses in this course catalog are offered to all students. However, they will run depending on course requests.

HIGH SCHOOL PLAN

9TH GRADE	English: _____	Credits: _____
	Math: _____	Credits: _____
	Science: _____	Credits: _____
	Social Studies: _____	Credits: _____
	Electives: _____	Credits: _____
	_____	Credits: _____
	_____	Credits: _____
Total Credits: _____		

10TH GRADE	English: _____	Credits: _____
	Math: _____	Credits: _____
	Science: _____	Credits: _____
	Social Studies: _____	Credits: _____
	Electives: _____	Credits: _____
	_____	Credits: _____
	_____	Credits: _____
Total Credits: _____		

11TH GRADE	English: _____	Credits: _____
	Math: _____	Credits: _____
	Science: _____	Credits: _____
	Social Studies: _____	Credits: _____
	Electives: _____	Credits: _____
	_____	Credits: _____
	_____	Credits: _____
Total Credits: _____		

12TH GRADE	English: _____	Credits: _____
	Math: _____	Credits: _____
	Science: _____	Credits: _____
	Social Studies: _____	Credits: _____
	Electives: _____	Credits: _____
	_____	Credits: _____
	_____	Credits: _____
Total Credits: _____		





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