

LEWISTON-PORTER HIGH SCHOOL *CURRICULUM HANDBOOK 2025-2026*

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Appreciation is extended to all faculty and staff members for their cooperation in the revision of this book.

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A MESSAGE FROM THE PRINCIPAL

Lewiston Porter High School educates, empowers and inspires students to academic and personal excellence through a diverse rigorous curriculum, innovative teaching and spirited student life in a safe and respectful environment.

Our fundamental goal at Lewiston-Porter High School is to prepare our fine young men and women for the demands and challenges of the twenty-first century. Problem solving skills, critical thinking, inquiry-based learning along with significant literacy and numeracy skills are all key pieces to effective twenty-first century curricular offerings at a school focused on student success and student achievement.

Academic rigor and innovation remain at the forefront of all curricular and instructional decision making. As a result, the 2025-2026 Curriculum Handbook reflects changes in support of our mission. We have multiple Advanced Placement course offerings that include Art, English, Math, Music, Science, Social Studies and Technology courses. Our partnerships with NCCC and Niagara University continue to support and offer several college-accelerated course offerings.

The goals established for our school are notably rooted in the teaching and learning process and are focused on the areas of literacy, numeracy, and school climate. Coupled with our focus on Middle States objectives, we will be continuing implementation of the Common Core State Standards for Math, ELA, and content area literacy. Success for all students and the belief that we will do whatever it takes to ensure student success continues to be our focus. We ask parents and students to challenge themselves to do their very best and to choose courses that expand the mind and develop future opportunities. Good luck as you choose your path for 2025-2026 and beyond.

Sincerely,

Christopher D'Anna
Principal

"We are Aiming Higher"

INTRODUCTION

- This handbook has been prepared to provide you with general information about courses, programs, graduation requirements and resources at Lewiston-Porter High School. Please read it carefully and save it as a reference for the coming year.
- Course offerings for the 2025-2026 school year have been reviewed carefully by teachers, counselors and administrators. Our curriculum is aligned to match the requirements mandated by New York State, and designed to meet the needs of all students.
- Consider with care the many courses listed in this guide. Read the course descriptions and prerequisites while keeping in mind your abilities, interests and aspirations.
- Your school counselor will help you select the most appropriate program of studies for next year. Your counselor will also help you develop goals and a career plan to assist you in reaching the new educational standards outlined in this handbook.
- Student course selections must be finalized by June 1st
- Course offerings are subject to changes or cancellations based on student enrollment.
- Students are encouraged to select alternatives for all courses chosen during the scheduling process.

GUIDELINES FOR PLANNING A PROGRAM OF STUDY

The school counselor plays a key role in helping each student plan the appropriate program of study. Assisting students with the proper selection of courses to help them realize their goals and ambitions is one of the most important tasks of the counselor, but not the only one. Our school counseling program promotes students' success through a focus on academic achievement, prevention and intervention activities, advocacy and social/emotional and career development.

After receiving an orientation to the program planning procedure, each student will meet with his/her counselor individually to discuss his/her progress, goals, and post-high school plans. The counselors will help the student plan next year's program of studies to assure that:

- graduation requirements are met,
- vocational and career training requirements are met,
- college entrance requirements are met, and
- students acquire appropriate life skills for the future.

It is expected that students in 9th, 10th & 11th grade sustain 6 academic periods and physical education within their schedules for each semester.

It is expected that students in 12th grade who are on track to graduate sustain 5 academic periods and physical education within their schedules for each semester.

The counselor coordinates the student's ideas and objectives with those of parents and teachers. Teacher recommendations for the next course are very much a part of the decision-making process, as are the prerequisites listed in the course descriptions found in this guide. Upon completion of the Course Selection Form, students are requested to review it with their parents/guardians and obtain their signatures. Parents/guardians are encouraged to call or meet with the counselor if they have any questions. Parents/guardians are welcome to be present at the initial meeting. Parental involvement in making the appropriate choices is critical in helping the counselors prepare the students for the challenges that lie ahead.

Students and parents should study the curriculum carefully in order to plan a program which will best serve the student's goals and ambitions. The following questions can be useful to students as they plan or review their overall high school program:

- Will the subjects I select enable me to meet the requirements for graduation?
- Will I be able to meet at least the minimum entrance requirements for schools beyond high school in which I may be interested, whether vocational, technical, two or four year college?
- Are my subject selections consistent with my tentative vocational plans? (Some subjects may be taken to explore new areas of possible interest, to develop special skills, or to develop appreciation of areas other than those of primary interest.)
- What course of study should I choose early in high school that will provide an opportunity for me to consider a vocational program, an internship program, or admission to a competitive college, etc.
- Am I challenging myself academically?
- Are my course selections rigorous and relevant to my future postsecondary and career aspirations?

Lewiston-Porter High School Graduation Requirements

REGENTS DIPLOMA with ADVANCED DESIGNATION		REGENTS DIPLOMA	
Content Area	Credits	Content Area	Credits
English	4	English	4
Social Studies	4	Social Studies	4
Math	3	Math	3
Science	3	Science	3
Second Language	3**	Second Language	1*
Art/Music	1	Art/Music	1
Health	0.5	Health	0.5
Physical Education	2	Physical Education	2
Computer Requirement	0.5	Computer Requirement	0.5
CFM	0.5	CFM	0.5
Electives	1.5	Electives	3.5
Total:	23	Total	23

*Students must complete 2 units of study and earn 1 high school credit by the end of ninth grade.

**Students acquiring 5 units in Career and Technical Education (CTE) or the arts need only earn 1 credit in a Second Language

REQUIRED REGENTS EXAMS

REGENTS DIPLOMA WITH ADVANCED DESIGNATION (PASSING SCORE OF 65 AND ABOVE)	REGENTS DIPLOMA (PASSING SCORE OF 65 AND ABOVE)
English Language Arts Exam	English Language Arts Exam
3 Regents Math Exams (CC Algebra 1, CC Geometry, and CC Algebra 2)	1 Regents Math Exam (CC Algebra 1, CC Geometry, or CC Algebra 2)
Global History/Geography Exam	Global History/Geography Exam
US History/Government Exam	US History/Government Exam
2 Regents Science Exams (1 Life Science & 1 Physical Science)	1 Regents Science Exam (Living Environment, Earth Science, Chemistry, or Physics)
Comprehensive Second Language Exam*	

*Students acquiring 5 units of credit in Career and Technical Education (CTE) or the arts are not required to pass the Comprehensive Exam in a Second Language.

A student can also earn a Regents Diploma with **Honors** or a Regents Diploma with Advanced Designation with **Honors**. To earn honors, a student shall achieve an average of 90% in all Regents examinations required for the diploma. Averages below 90% shall **NOT** be rounded upward to 90%.

Note: The low-pass option of scoring between 55-64 on the required Regents Exams to earn a local diploma will continue to be available for students with disabilities. Students using this safety net will receive a local diploma.

CAREER PLANNING AND DEVELOPMENT

Career Planning and Development serves as an important element of the school counseling program. The school counselor provides valuable assistance to students as they plan their post-secondary pathway. Our goal is to increase students' awareness of the career and educational planning process. Counselors collaborate with teachers to help students achieve the standards outlined by the New York State Board of Regents on Career Development and Occupational Studies (CDOS). The standards state that students will:

- Acquire the skills to investigate the world of work in relation to knowledge of self and to make informed career decisions.
- Employ strategies to achieve future career success and satisfaction.
- Understand the relationship between personal qualities, education and training, and the world of work.

By increasing self-knowledge and knowledge of the world of work, students can make better career decisions and understand the importance of life-long learning.

Basic principles of career planning, such as decision-making, self-evaluation, and goal setting have been integrated into the school counseling program. Counselors help students discover their interests, aptitudes, values and attitudes. During each year of high school, students are exposed to a variety of experiences and resources that are designed to promote exploration and research into broad career areas of interest. This includes involvement in career and college fairs, job shadows and internship programs. Students receive an orientation to the Career and Technical Education program during their sophomore year.

Assistance with the college search process is provided in a sequential manner through individual and group sessions. Every effort is made to make it a positive, educational experience for students and their families. Counselors offer a series of college programs that assist students and parents from the beginning task of making a self-assessment through to deciding where to apply, and finally completing the application process. Important scholarship information is coordinated through the Counseling Office as well.

When colleges make admission decisions they usually evaluate academic achievement, standard test scores, and a personal profile. Academic achievement is generally the most important. It includes the quality of courses taken, grades, and rank in class. The personal profile measures what the student does outside the classroom. A standardized test is designed to measure a student's ability to do college level work and potential for academic success. These tests are:

PSAT/NMSQT – The primary focus of this assessment is to give students experience with the types of questions they will encounter on the SAT Reasoning Test. This test also gives students the opportunity to qualify for the National Merit Scholarship Program.

SAT Reasoning Test – The SAT Reasoning Test is a three-hour and 45 minute test that measures critical reading, math, and writing abilities. It is usually taken in the spring of the junior year and/or fall of the senior year.

ACT – The American College Testing is a college entrance test that is different in style from the SAT. It may be substituted for the SAT at some schools and is required by certain colleges/universities. The ACT contains four curriculum-based tests that measure academic achievement in the areas of English, Mathematics, Reading and Science reasoning. Students may also take a writing test, aside from the traditional ACT. It is recommended that students take both the ACT and SAT at least once.

LEWISTON-PORTER HONORS PROGRAM

The Lewiston-Porter Honors Program is a sequential four-year curriculum designed for the academically talented and highly motivated student. Focusing on excellence in high school, the program enables all students to “aim higher”, and provides opportunities for all students to experience higher achievements.

LEWISTON-PORTER DIPLOMAS WITH DISTINCTION

Students earning a Diploma with Distinction will qualify for one of the following based on their **WEIGHTED** grade point average and a total of 28 credits or more at the end of their 12th grade year.

- Highest Distinction – 100+ grade point average
- Distinction – 98 to 99.99 grade point average
- Honors – 95 to 97.99 grade point average

HONORS CERTIFICATE REQUIREMENTS

As part of the Lewiston-Porter Honors Program, any student may earn one or more Honors Certificates. The following indicates the instructional departments, course requirements and required final grade point average for each Certificate area.

ART
Studio in Art
Two units of study
(Art Electives)
Advanced Art (AP)

92% Average
(Unweighted)

BUSINESS
5 Units Required
Legal Environment of Business
Accounting I
Marketing
Web Design/Microsoft Office (.5)
Personal Finance/Investment (.5)
Career Exploration Internship Program (.5)
(.5 Electives)

92% Average (Unweighted)

ENGLISH
English 9
Multiage Electives
AP Language and Composition
AP Literature and Composition/
Or Creative Writing (NCCC)

92% Average (Unweighted)

MATHEMATICS
CC Algebra I
CC Geometry (Honors)
CC Algebra (Honors)
College Level Pre-Calculus (Honors)
Calculus (AP) and/or
Statistics (AP)

92% Average (Unweighted)

MUSIC
5 Units Required
Music Theory
Music History
Band
Orchestra
Chorus

92% Average
(Unweighted)

SCIENCE
The following four courses:
Earth Science (Regents or Honors)
Living Environment (Regents) or (Honors)
Chemistry (Honors)
Physics (Honors)

Plus one of the following:
AP Biology
AP Chemistry
AP Physics
AP Environmental Science

92% Average (Unweighted)

SECOND LANGUAGE
French or Spanish I
French or Spanish II
French or Spanish III
College French or Spanish 203
College French or Spanish 204

92% Average (Unweighted)

SOCIAL STUDIES
Social 9 (Honors)
World History (AP)
U.S. Hist. & Govt. (AP)
U.S. Govt., Politics, & Economics (AP)

98% Average (Weighted)

TECHNOLOGY
5 credits required
Design & Drawing for Production*
CAM/Robotics*
Architectural Drawing*
Adv. CAD – Animation*

Plus 2 additional credits of Technology Electives

92% Average (Unweighted)

GENERAL INFORMATION

Grading

A numeric grading system is used. Report cards will be posted online to the parent/guardian every ten weeks. Final report cards will be mailed home. A grade below 65 is considered a failing grade. Both an unweighted and weighted numerical average is reported on the report card. Progress Reports are posted online in the middle of each 10-week reporting period for all students.

Weighting System

Honors, College Level and Advanced Placement courses are weighted. The weighting factor is 1.10.

Academic Honors and Awards (based on weighted grades)

- High Honor Roll – 95% (or higher) average
- Honor Roll – 90% (or higher) average
- Merit Roll – 85% (or higher) average

Unweighted & Weighted Average

Both an unweighted and weighted average will appear on the high school transcript and report cards.

Procedure for Determining Valedictorian and Salutatorian

Valedictorian and Salutatorian will be determined after the 7th semester. The student with the highest weighted average is the valedictorian. The student with the second highest weighted average is salutatorian. Should a tie occur, the student with the most credits is valedictorian and the student with the second highest number of credits will be salutatorian.

Guidelines for Dropping a Course

To add or drop a course, the student should meet with the Counselor to discuss the proposed change. A form citing the reason for the request signed by the parent/guardian is required for all schedule changes. It is imperative that the parent/guardian speak with the teacher as well. To avoid having a course listed on the transcript with a numeric grade, the course **must** be officially dropped as follows:

- One semester course: by the end of the second week of school.
- Full-year course: by the end of the fifth week of school.

All course drops must be approved by an administrator.

Course offerings are subject to changes or cancellations based on student enrollment.

COLLEGE LEVEL COURSES

Lewiston-Porter offers courses for college credit within the regular high school curriculum:

SUNY Niagara:

Arts:

- Music Theory
- Music History

- Creative Writing

World Languages:

- French 203
- Spanish 203

Business:

- Microsoft Office
- Introduction to Web Design
- College Level Accounting
- Introduction to International Business

Technology:

- CAM/Robotics
- Design & Drawing For Production

ELA:

- Language & Composition
- Literature & Composition

Niagara University:

Business:

- Legal Environment for Business

Math:

- College Level Statistics

Social Studies:

- United States Government, Politics, & Economics
- United States History & Government

Students will take the class at Lewiston-Porter High School and pay a fraction of the college's regular tuition. This will enable students to earn Lewiston-Porter credit as well as 3 credit hours at the respective college for satisfactory completion of the course.

ADVANCED PLACEMENT COURSES

Lewiston-Porter offers 13 Advanced Placement courses through the College Board within the regular high school curriculum. These courses include:

Arts:

- 2-D Art & Design or Portfolio/Photography
- 3-D Art & Design
- Drawing Studio

English:

- AP English Language and Composition
- AP English Literature and Composition

Science:

- AP Biology
- AP Chemistry
- AP Physics C: Mechanics

Social Studies:

- AP United States Government and Politics
- AP United States History
- AP World History

Math:

- AP Calculus
- AP Statistic

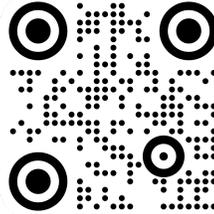
Students will be expected to take the AP exam associated with the course in May, in addition to any Regents exam requirements. The AP exam fee is set by the College Board and is currently \$98 per exam. The exams are scored by the College Board on a 1-5 scale.

STUDENT ATHLETES

The NCAA Eligibility Center is an agency of the National Collegiate Athletic Association that certifies the initial eligibility of all prospective student-athletes who register to compete as a freshman athlete at NCAA Division I and II member institutions.

If you wish to participate in NCAA Division I or II athletics, notify your School Counselor as soon as possible as you need to be certified by the NCAA Eligibility Center. You need to qualify academically and you will also need to be cleared as an amateur student-athlete. To register at the NCAA Eligibility Center website click the following link or scan the following QR code:

[NCAA Eligibility Center](#)



You can also find the academic- eligibility requirements at the website. In addition, you will find a Guide that will lead you through a number of other important topics.

****If you are interested in participating in NCAA Division I or II athletics and are *planning on attending the Orleans/Niagara BOCES Vocational Center* for your junior and senior year, notify your school counselor to ensure that all academic requirements can be met. ****



Lewiston-Porter High School

NCAA Approved Courses

2025-2026



[Approved NCAA Courses](#)

1. Scan the QR code.
2. Input LP's School Code: **336090**

Email or stop in to see your school counselor if you have questions.

pdivincenzo@lew-port.com
A-G

dbehm@lew-port.com
H-O

mconti@lew-port.com
P-Z

ART

ART REQUIREMENT: NYS requires all students to complete one unit in Art and/or Music. Studio in Art and Acting I fulfill this requirement.

ART FEE: There will be a \$15 fee for all full year courses.

STUDIO IN ART (6100)

This course is an introductory art course designed to provide a variety of art making opportunities including: drawing, painting, printmaking, digital media, sculpture, ceramics, and mixed media. The elements and principles of design will be explored, analyzed, and applied through the creation, presentation, and evaluation of artwork. Two dimensional and three dimensional art making techniques will be practiced through the lens of understanding how the elements and principles of design function. Preliminary work, final artworks, written and verbal reflections will be used to assess student understanding.

Credit: 1 unit (full year course)

CERAMICS (6112)

This course is designed to introduce the student to the use of ceramics as a medium for artistic expression and functional creativity. Basic techniques of construction with clay such as coil, slab, pinch and wheel-thrown work will be explored with reference to historical foundations. The general properties of clay and glaze material will be covered. Both verbal and written critiques will be employed as tools to foster creative and technical growth and as the basis for evaluation. This course will also focus on the use of surface decoration of the three-dimensional form. Contemporary trends in both functional and sculptural use of the medium will be surveyed to stimulate creative expression.

Prerequisite: Studio in Art
Credit: 1 unit (full year course)

PRINTMAKING (6126)

This course is designed to introduce students to the use of printmaking as a medium for artistic expression, creative and cognitive growth. Basic and advanced techniques of printmaking will be explored such as mono-printing, linoleum and wood block printing, calligraphic printing, drypoint engraving and screen printing with references to historical foundations. A sketch/notebook will be maintained of assignments to supplement class work. Design and composition, as well as creative problem solving, will be emphasized in all work. Both verbal and written critiques will be employed to foster growth and as the basis for evaluation.

Prerequisite: Studio in Art
Credit: 1 unit (full year course)

DIGITAL PHOTOGRAPHY (6149)

This course is designed to introduce students to the world of photography. Students will work exclusively with DSLR cameras that they are able to borrow from the department. Students will learn the technical aspects of photography such as aperture, shutter speed, framing and ISO. Emphasis on the elements and principles of art will be used to create aesthetically pleasing photographs. This course will also have a heavy emphasis on the history of photography, historical photographs and a variety of photographers. Students will be required to complete several projects throughout the year, verbal and written critiques, as well as a weekly Photographer of the Week assignment.

Although classroom cameras are available, students are encouraged to supply their own cameras, memory cards, flash-drives, and printing paper. A lab fee will be collected.

Prerequisite: Studio in Art
Credit: 1 unit (full year course)

DRAWING AND PAINTING (6166)

This course is geared toward exploratory experiences and techniques in drawing and painting with materials such as graphite, charcoal, pastels, watercolors, mixed media, oils and acrylics. A sketchbook must be maintained with assignments supplementary to class work. Techniques for working with the human figure, portraits, landscapes, and perspective, with emphasis on composition of design will be stressed.

Prerequisite: Studio in Art
Credit: 1 unit (full year course)

SCULPTURE (6176)

The goal of this course is to introduce the student to the sculptural arts. This goal will be accomplished through a three-pronged approach. The first is the exploration of the following work methods: additive, subtractive, construction, and assemblage. Secondly, a survey of sculpture's historical foundations and current movements will be introduced by slide and PowerPoint presentation. Lastly, both written and verbal critiques will be employed as tools to promote creative and technical growth along with evaluation. The student will be afforded the opportunity for individual expression and creative growth.

Prerequisite: Studio in Art
Credit: 1 unit (full year course)

PUBLICATION DESIGN (6186)

This course provides for the learning and adaptation of basic skills for publishing techniques. Skills such as theme development, planning, business related responsibilities, coverage and content, layout, copywriting/fitting, proofing, editing typography, and digital imaging will be developed. Students will also gain an understanding of the software programs Adobe InDesign and Photoshop necessary for designing yearbook pages and spreads. This course will also address basic photography skills essential in photojournalism.

Credit: 1 unit (full year course)

DIGITAL MEDIA (6118)

This course is an introduction to the history, basic concepts, and skills of digital media design and production. Students will explore a wide variety of commercially oriented problems, such as logo design, product design, package design, CD design and digital animations. Through the creation and critique of projects incorporating images, audio and video, students will gain knowledge of potential careers, acquire life-long production skills and produce a portfolio of their digital media work.

Prerequisite: Studio in Art
Credit: 1 unit (full year course)

ADVANCED PLACEMENT ART DRAWING STUDIO (6252)

The AP Art Program in Studio Art is intended for highly motivated students who are seriously interested in the study of Art. Students should be made aware that AP work involves significantly more commitment and accomplishment than the typical high school course. Students should be willing to stay after school to work and critique at least 3 to 6 hours a month in order to complete the portfolio by mid-May. Homework will be assigned as needed to facilitate portfolio completion and documentation in digital format by mid-May. All projects will be critiqued either verbally or in writing; some critiques may be graded. Students will be responsible for keeping a sketch/notebook. Media used will include traditional drawing and painting materials such as pen, pencil, painting materials, charcoal, pastel, collage and montage.

Specific requirements include:

- a. Quality section: 5 actual works
- b. Concentration section: up to 12 works of art
- c. Breadth section: 12 works of art

Prerequisite: Studio in Art
Credit: 1 unit (full year course) AP Exam required.
Cost: Fee approximately \$99 – financial aid available to those that qualify.

ADVANCED PLACEMENT ART 2-D DESIGN PORTFOLIO (6257)

The AP Art Program in Studio Art is intended for highly motivated students who are seriously interested in the study of Art. Students should be made aware that AP work involves significantly more commitment and accomplishment than the typical high school course. Students should be willing to stay after school to work and critique at least 3 to 6 hours a month in order to complete the portfolio by mid-May. Homework will be assigned as needed to facilitate portfolio completion and documentation in digital slide format by mid-May. All projects will be critiqued either verbally or in writing; some critiques may be graded. Students will be responsible for keeping a sketch/notebook. Media used will include traditional 2-D material such as pen, pencil, painting materials, charcoal, pastel, collage, montage and digital images and photography.

Specific requirements include:

- d. Quality section: 5 actual works
- e. Concentration section: up to 12 works of art
- f. Breadth section: 12 works of art

Prerequisite: Studio in Art & Drawing and Painting
Credit: 1 unit (full year course) AP Exam required.
Cost: Fee approximately \$99 – financial aid available to those that qualify.

ADVANCED PLACEMENT ART 3-D DESIGN PORTFOLIO (6258)

The AP Art Program in Studio Art is intended for highly motivated students who are seriously interested in the study of Art. Students should be made aware that AP work involves significantly more commitment and accomplishment than the typical high school course. Students should be willing to stay after school to work and critique at least 3 to 6 hours a month in order to complete the portfolio by mid-May. Homework will be assigned as needed to facilitate portfolio completion and documentation of work in digital format by mid-May. All projects will be critiqued either verbally or in writing; some critiques may be graded. Students will be responsible for keeping a sketch/notebook. Media used will include traditional 3-D material such as ceramics, wire, wood, and plaster, as well as non-traditional materials such as found objects and metals.

Specific requirements include:

- a. Quality section: 5 works of art
- b. Concentration section: 6-12 works of art
- c. Breadth section: 8 works of art

Prerequisite: Studio In Art
Credit: 1 unit (full year course) AP Exam required.
Cost: Fee approximately \$99 – financial aid available to those that qualify.

ADVANCED PLACEMENT ART 2-D PORTFOLIO/PHOTOGRAPHY (6260)

The AP Art Program in Photography is intended for highly motivated students who are seriously interested in the study of photographic art. Students should be made aware that AP work involves significantly more commitment and accomplishment than the typical high school course. Students should be willing to stay after school to augment class time in order to complete the AP portfolio requirements by mid-May. Homework will be assigned as needed to facilitate portfolio completion and documentation in digital slide form by mid-May. All projects will be critiqued either verbally or in writing; some critiques may be graded. Critiques will be held on average 3-6 hours per month and will be an ongoing process of the class. Students will be responsible for maintaining a sketch/notebook journal. Media used will include traditional film and darkroom processes, alternative film and darkroom processes, digital media, alternative digital media, imaging input and output devices, and photo manipulation. Students are encouraged to have access to both a traditional 35mm camera as well as a digital camera.

Specific requirements include:

- a. Quality section: 5 actual works
- b. Concentration section: up to 12 works of art
- c. Breadth section: 12 works of art

Prerequisite: Studio in Art and Digital Photography
Credit: 1 unit (full year course) AP Exam required.
Cost: Fee approximately \$99 – financial aid available to those that qualify.

INDEPENDENT STUDY

A student may elect to take an Independent Study in any advanced art area providing that he/she has achieved a minimum average of 80% in the initial course. (For example, if he/she desires to do Independent Study in Drawing and Painting, he/she must have received at least an 80% in that course.) Independent Study is motivated by the learner's aims and is free from constant supervision. The student selecting Independent Study selects media and sets up assignments with the approval and guidance of the art faculty. An Independent Study Contract must be approved by the Principal.

ART SEQUENCE:

Students must successfully complete the following for a three year sequence in art:

- **1 unit of Studio in Art (1 full unit of credit)**
- **4 art classes selected from any of the Art courses**
- **Many of these courses are offered on a rotating basis and according to student demand; they are not available every year to make 4 units**

BUSINESS EDUCATION

ACCEPTABLE USE POLICY FORM MUST BE AUTHORIZED BY PARENT/GUARDIAN AND BE ON FILE IN LIBRARY IN ORDER TO USE ANY SCHOOL COMPUTER.

MS OFFICE (9070) (NCCC)

This hands-on course introduces students to the use of computers in daily work or school activities. Students will use computers and will learn software programs including Microsoft Word, Excel, Access, and PowerPoint. Various word processing applications such as newsletters, flyers, and multiple-page documents are emphasized. Spreadsheet and database techniques are used to help the student organize and keep records involving math formulas. Students will learn how to develop databases in Access to organize data. Students will also learn PowerPoint and the proper way to develop a presentation for an audience. Other software programs will be introduced if time permits. *This course is offered for college credit through NCCC.* This course satisfies the computer course requirement for graduation.

Credit: ½ unit/ 3 college credits (CIS 100) (20 weeks)
Level: Grades 9-12
Prerequisite: None
Fee: \$237 (\$79/credit = 3 credits) Subject to change

INTRODUCTION TO WEB DESIGN (9062) (NCCC)

Are you looking to learn how to code a web page? Web Design is a class that is offered to students who wish to develop, design and publish web pages and learn the basics of HTML coding. The course will introduce the methods and techniques of Web page design using HTML and CSS. The course is structured in a hands-on, project-based experience for students. *This course is offered for college credit through NCCC.*

Credit: ½ unit/3 college credits (DIG 111) (20 weeks)
Level: Grades 9-12
Prerequisite: None
Fee: \$237 (\$79/credit = 3 credits) Subject to change

SPORTS & ENTERTAINMENT MARKETING (9047)

In this course, students will have the opportunity to learn about the basics of marketing as it relates to the exciting Sports and Entertainment industries. Topics include marketing strategies, product development, promotion, pricing and distribution. In this project-based course, students will develop marketing plans for sports teams, advertise their favorite entertainment events, and more.

This course can count toward a sequence in Career & Technical Education (CTE)

Credit: ½ unit (20 weeks)
Level: Grade 9-12
Prerequisite: None

HOSPITALITY & TOURISM MARKETING (9055)

Enjoy traveling and visiting faraway places? Do you like to stay in hotels and eat out in restaurants? If you would like to learn how the hospitality and tourism industries market their products and services, attract customers, and maintain customer satisfaction, this course is for you. In this project-based course, students will develop marketing strategies for a variety of hospitality and tourism-related businesses and learn marketing processes for service industries.

This course can count toward a sequence in Career & Technical Education (CTE)

Credit: ½ unit (20 weeks)
Level: Grade 9-12
Prerequisite: None

BUSINESS COMMUNICATIONS (9142)

No matter your career path, employers want to hire people with strong written, verbal, non-verbal, and presentation skills. Communicating well is a skill that can be learned, practiced, and improved upon. In this course you will learn how to communicate in a way that is accurate, effective and persuasive, whether you are dealing with customers, teams, or your fellow employees or students. We will also touch on the differences in communication across cultures. This course will include:

- writing professional letters, memos, reports, proposals, and technical instructions
- developing graphic and visual aids
- designing presentations, speaking to groups, and dealing with stage fright, and
- understanding the impact of non-verbal communication

This course can count toward a sequence in Career & Technical Education (CTE)

Credit: ½ unit (20 weeks)
Level: Grades 9-12
Prerequisite: None

CAREER & FINANCIAL MANAGEMENT (9140)

The Career & Financial Management (CFM) course prepares students for life after high school. The course includes skills assessments, career research, college, trade school and military educational and career options, development of career documents including a resume and cover letter, interview techniques, workplace laws, and taxes.

Students will also learn how to develop financial responsibility in preparation for their future including checking and savings accounts, how to responsibly use credit, and personal budgeting.

This course is required for graduation for all non-BOCES students
This course can count toward a sequence in Career & Technical Education (CTE)

Credit: ½ unit (20 weeks)
Level: Grades 10-12, *Strongly suggested for junior year students
Prerequisite: None

PERSONAL FINANCE AND INVESTMENT (9095)

This course stresses the individual's roles and financial responsibilities as student, citizen, family member, consumer, and employee. Personal Finance students will create a budget, financial, savings, insurance and investment plan. Students can immediately begin to apply learned skills in their own lives. Students will learn strategies for handling credit and managing their debt. Students will also look at how their choice of career and lifestyle will affect their financial plan.

Credit: ½ unit (20 weeks)
Level: Grades 11-12
Prerequisite: None

SOCIAL MEDIA (9057)

This is a twenty week course in which students will earn ½ credit towards graduation. *This course serves as the introductory course for Academy of Finance students but is also available to take as an elective.* This course will focus on digital literacy and prepare students to take ownership of their digital lives. Topics include Social Media and Well Being, Privacy and Security, Digital Footprint, Cyberbullying and Social Media Marketing. Students will gain experience participating in classroom discussions, presenting and developing a personal mission statement. As the culminating project, students will create a Social Media Campaign for a local business.

Credit: ½ unit (20 weeks)
Level: Grade 9-12

COLLEGE LEVEL ACCOUNTING (9093 (NCCC)

This course is designed to introduce students to the basics of Accounting. Students will be introduced to Business Decisions and Financial Accounting. Specifically, Financial Statements, Fraud, Internal Controls, Merchandising Operations, Inventories, Cost of Goods Sold, Receivables, Bad Debt Expense, Assets, Liabilities, Stockholders' Equity, and Statement of Cash Flows. ****This course is offered for college credit through NCCC.**

Credit: 1 unit/ACC 116 Financial Accounting (40 weeks)
Level: Grades 10-12
Prerequisite: None
Fee: \$237 (\$79/credit=3 credits) Subject to change

SENIOR SEMINAR (9250)

This course will serve to facilitate, assist and instruct students on college exploration and research, applications, essays and financing. Students will have an opportunity to identify and explore their personal interests throughout the college planning process. All aspects of paying for college will be discussed and an in-depth understanding of the FAFSA will be introduced. Students can get assistance with the financial appeal process for merit awards from colleges/universities upon acceptance in addition to help with scholarship opportunities. This course will also include guest speakers from various colleges and career paths. The librarian and guidance counselors will push in where relevant. This course would be offered as a pass/fail course with no assessments per se, the main goal would be to minimize the confusion and stress associated with the entire college research and selection process.

Credit: 1/2 Credit (20 weeks)
Level: Grade 12 (Fall)

INTERNSHIP

Each Academy student must complete an 80-hour, compensated internship in the summer following their junior year. Students will use a resume and interview skills to participate in an interview and will then be offered a position by a sponsor. During the internship, students will use skills learned in the Academy such as computer skills, accounting, presentation skills, researching, etc. to complete work for the sponsor company.

Credit: ½ unit (20 weeks)
Level: Summer after Grade 11

ACADEMY PORTFOLIO (9044)

Students are required to complete a portfolio in the fall semester after their junior year. The portfolio is broken up into 5 sections; Professional Profile, College Prep and Workforce Competencies, Evaluations, Career Exploration, and Additional Achievements. The portfolio allows students to showcase exemplary work and the many achievements they have earned throughout their high school years academically, athletically, and through extra-curricular situations.

Credit: ½ unit (20 weeks)
Level: Grade 12
Fee: \$15.00 for Portfolio Supplies

STUDENTS TO STARTUPS-43 NORTH (9153)

Students to Startups - 43N is a year-long one credit course that will focus on entrepreneurship and “Market Day” in which the students will develop a business as a small group, market the product, and sell the product during “Market Day”. Then students will use previous knowledge to build a business plan on a larger scale. Students as a group pitch their idea to a University of Buffalo, Board of Directors with a chance of winning cash prizes. This is inspired by the popular 43N Business Competition. This course is appropriate for students enrolled in any program of study who plan to own and operate their own business. In this course, students will develop strong foundational knowledge in key business and entrepreneurial principles, including types of business ownership management functions and styles, human resources, business operations, marketing, finance and budgeting, and ethics. Students will also develop skills in critical thinking, communication, and professionalism by exploring key aspects of leadership, the entrepreneurial mindset, and teamwork. *This course is offered for college credit through SUNY Niagara.*

Credit: 1 unit/ 3 college credits (BUS 122M) (40 weeks)
Level: Grades 11-12
Prerequisite: None
Fee: \$237 (\$79/credit = 3 credits) Subject to change

GENERAL EDUCATION WORK EXPERIENCE PROGRAM (GEWEP) (9048)

GEWEP is an internship program approved by both the NYS Education Department and the NYS Department of Labor. This course requires students to complete **150 hours** on-site internship experience (**compensated**) under the supervision of a mentor. *Also required is 27 hours of related classroom instruction; however, this requirement can be fulfilled through completion of the Career and Financial Management course.* Internships are available to students age 16 and above with a strong interest in exploring a particular career field. Once scheduled, the internship coordinator identifies potential internship sites in the student’s occupational area and makes a selection. The program is offered during the fall and spring semesters. Students are placed throughout the WNY area and are **responsible for their own transportation**. *Students can be granted early release from school to accommodate their placement and completion of hours.* This course is taught by a certified internship coordinator. Students will earn half a credit and receive a pass/fail grade upon completion.

Credit: ½ unit (20 weeks)
Level: Grade 12

CAREER EXPLORATION INTERNSHIP PROGRAM (CEIP) (9046)

CEIP is an internship program approved by both the NYS Education Department and the NYS Department of Labor. This course requires students to complete a **54 hour** on-site internship experience (**non-paid**) under the supervision of a mentor. *Also required is 27 hours of related classroom instruction; however, this requirement can be fulfilled through completion of the Career and Financial Management course.* Internships are available to a student age 16 and above with a strong interest in exploring a particular career field. Once scheduled, the internship coordinator identifies potential internship sites in the student’s occupational area and makes a selection. The program is offered throughout the school year and is very flexible to fit the needs of busy student schedules. This course operates like an independent study as it does not take up a period in the student’s schedule. *Students can be granted early release from school to accommodate their placement and completion of hours.* Students are placed throughout the WNY area and are **responsible for their own transportation**. This course is taught by a certified internship coordinator. Students will earn half a credit and receive a pass/fail grade upon completion.

Credit: ½ unit
Level: Grades 11-12

LEGAL ENVIRONMENT OF BUSINESS (NUSTEP) (9094)

Students taking this exciting course will learn how our legal system works and develop awareness of their legal rights and responsibilities in personal, consumer and business situations. Topics include our criminal, civil, and juvenile justice systems, contracts, consumer protection, employer-employee relationship, and real and personal property law. This course may count as one credit toward the graduation requirements for Academy of Finance members. *To be eligible for NUSTEP, seniors must have a minimum 80 average in the five core subjects (English, math, social studies, languages, and science). Juniors must have a minimum 85 average in the five core subjects.*

This course can count toward a sequence in Career & Technical Education (CTE)

This course is offered for college credit through Niagara University

- **Credit:** 1 unit/3 college credits (40 weeks)
- **Level:** Grades 10-12 *Only 11th and 12th grade students eligible for college credit
- **Prerequisite:** None
- **Fee:** Approximately \$285 to Niagara University, if taking course for college credit

INTRO TO INTERNATIONAL BUSINESS (NCCC) (9051)

Students interested in learning more about our increasingly global environment would benefit from taking this course. Topics include issues regarding globalization, culture, political and economic systems, global and national trade policies, and strategic management. Guest speakers will add to the learning experience.

This course is open to all students. It may count as one credit toward the graduation requirements for Academy of Finance members.

This course can count toward a sequence in Career & Technical Education (CTE)

This course is offered for college credit through Niagara County Community College (NCCC)

- Credit:** 1 unit/3 college credits (40 weeks)
- Level:** 10-12
- Prerequisite:** None
- Fee:** Approximately \$252 to NCCC, if taking course for college credit

ENGLISH

English 9 (1000)

English 9 is a required class designed to provide the foundational skills for subsequent high school English classes, the Regents Exam (administered to students in 11th grade), and college and career readiness. Students read, interpret, and respond in writing to a variety of texts, both fiction and nonfiction, various short stories, essays, and poems. This course is designed to be a positive, hands-on and collaborative environment where students will work together to foster professional communication (verbal and written) skills that will be applied in the classroom, at home, and later in the workplace. Research skills and evidence-based writing will also be addressed.

Credit: 1 unit (40 weeks)

Prerequisite: English 8

English 10 (1100)

English 10 is a continuation of English 9 and is taught in preparation of English 11 and the Common Core English Regents Examination. There will be a more in-depth analysis of literary works and a higher expectation for independent reading. Students read, interpret and respond in writing to a variety of fiction and non-fiction works including but not limited to short stories, a drama, novels, critical essays and poetry. Research skills and evidence-based writing will also be addressed.

Credit: 1 unit (40 weeks)

Prerequisite: English 9

English 11 (1200)

English 11 will focus on developing students' skills in reading, writing, and research in an effort to prepare students for the rigors of college and career life. English 11 will introduce and practice the skills of close reading, argumentative writing, and textual analysis in an effort to enrich students' understanding of our cultural past and their ability to communicate that understanding across media, with an emphasis on written communication. Students will be required to take and pass the NYS Regents exam as a graduation requirement.

Credit: 1 unit (40 weeks)

Prerequisite: English 10

English 12 (1300)

English 12 is a post-Regents class which emphasizes college and career readiness skills. Students will engage with various fiction and non-fiction texts, workshop and write college admission essays, conduct in-depth research projects, and deliver oral presentations to continue building on skills to be successful in the 21st century.

Credit: 1 unit (40 weeks)

Prerequisite: English 11

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION/NCCC (1220)

The focus of our AP English Language and Composition curriculum is to help students become “skilled readers of prose written in a variety of rhetorical contexts, and skilled writers who compose for a variety of purposes” (College Board, AP Language Course Description). With that in mind, students can expect to read and respond to a variety of texts, examining each for the author's purpose, meaning, tone, and rhetorical strategy.

Our readings will be culled from various sources: non-fiction (both biography and essay); fiction (both long and short); and drama (from Shakespeare to Arthur Miller). Students can also expect to write often for a variety of purposes, such as exposition, analysis and argument.

Students will have the choice of taking the AP English Language and Composition course for either AP credit or Niagara Community College credit. Because the course stands in place of a first-year college composition course, successful completion of this course, and a favorable score on the AP exam at the end of the year if taken for AP credit, may exempt participating students from freshman college English. Students can expect a high level of rigor in both reading and writing in the course.

Credit: 1 unit (40 weeks)/Writing 101 (NCCC)
Prerequisites: Admission to the program is by application and includes a recommendation from the student's previous English teacher and counselor.
Exam: AP Exam is required for AP credit, no exam for NCCC credit.
Fee: Approximately \$99 for AP credit, \$252 for NCCC credit – financial aid available to those that qualify.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION/NCCC (1320)

This course is comparable to freshman college English literature and prepares students to take the Advanced Placement English Literature and Composition examination given in May of each year. If the AP exam score warrants such a decision, participating students may be exempt from freshman college English or may be placed in an advanced group depending on the policy of the specific college. This course develops a student's writing ability and a sense of what constitutes good style and expression. A thorough study of denotation, connotation, imagery, figurative language, tone, etc. made, through interpretation and evaluation of prose and poetry. Also, individual research projects involving the study of novelists and their works are included.

Credit: 1 unit (40 weeks) Writing 102 (NCCC)
Prerequisites: Admission to the program is by application and includes a recommendation from the student's previous English teacher and counselor.
Exam: AP Exam is required. Fee approximately \$99 – financial aid available to those that qualify.

CREATIVE WRITING (NCCC) (1112)

The Creative Writing course is a class for students who enjoy writing as a form of art, as well as personal expression. The goal of this course is to familiarize students with different genres of creative writing (i.e. poetry, short stories, novels and drama) for the purpose of exploring and developing a unique and personal style of writing. Students will be expected to participate in writing workshops, author studies and peer review conferences, as well as immerse themselves in the writing process. Additionally, students are encouraged to share their written work with the school community. **As a prerequisite, students who would like to earn credit from NCCC must have passed either English 101 OR earned a 3 or higher on AP Language and Composition exam.**

Prerequisite: Passed English 101 OR Earned a 3 or higher on AP Language and Composition exam
Credit: 1 unit/3 college credits from NCCC/Writing 103 (40 weeks)
Tuition Cost: \$237 (\$79/credit=3 credits) Subject to change

PUBLIC SPEAKING (1480)

This course is designed to assist students with the necessary skills to become better communicators. The course teaches students how to speak effectively in public under different scenarios, with the goal to provide students with an atmosphere of positive reinforcement and constructive feedback. Students learn how to organize ideas and present information to a particular audience.

Students will be equipped with the skills to enable them to practice different types of oral presentations. They learn how to use nonverbal signals, body language, and visual aids during their speeches. Critical thinking skills, through the use of organizational and language strategies, will improve language skills necessary to communicate effectively.

Public speaking is one of the top-rated fears among most people. Ultimately this course will provide students with the knowledge that will be useful in postsecondary education and/or their future livelihood. Students will be trained on how to deliver an effective message to a particular audience with confidence and enthusiasm.

Prerequisite: None
Credit: 1/2 unit (20 weeks)
Level: Grades 10, 11 or 12

HEALTH

Health represents a balance within a dynamic system in relationship to the self, the environment, and the universe. As the system changes, individuals and communities must adapt to maintain this balance. The student will: a) develop awareness of good health habits and the conditions necessary for physical and emotional well-being; b) learn those skills required for sound family, relationship, and community health practices; c) obtain knowledge of the physical and emotional health problems caused by chemical substance abuse and other personally harmful activities; d) understand body processes and functions; e) develop physical, social and emotional fitness; and f) be provided with the understandings and skills required to set goals, make informed decisions and solve health problems.

Health (4510)

This course of study, required by NYS for graduation, is designed to provide opportunities for students to achieve skills, knowledge and attitudes to establish and maintain personal health and fitness, to create and maintain a safe and healthy environment, and to be able to manage personal, family and community resources.

The program is organized into nine functional knowledge areas that are essential for young people to know in order to be safe, healthy and achieve academically. Along with the functional knowledge, there are seven skills that, when practiced, enhance personal, family and community health and safety.

1. Wellness
2. Mental Health
3. Nutrition and Physical Fitness
4. Alcohol, Tobacco and Other Drugs
5. Family Life/Sexual Health
6. HIV/AIDS
7. Unintentional Injury
8. Other Required Health Areas (Cancer, First Aid, Environment)
9. Violence Prevention

Skills:

Self- Management
Relationship Management
Stress Management
Communication
Decision Making
Planning and Goal Setting
Advocacy

Credit: 1/2 unit (20 weeks)
Grade Level: Grades 10, 11 and 12

MATHEMATICS

INTRODUCTION TO ALGEBRAIC CONCEPTS (3019)

This course is designed for students who have had difficulty with 8th grade math. It is a precursor to Algebra 1, and gives students a foundation in skills that will help them to succeed in Algebra 1 the following year. Students will use a graphing calculator.

Final Exam: Local final exam in June
Credit: 1 unit (40 weeks)

ALGEBRA 1 (with lab) (3002)

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grade standards, this is a more ambitious version of Algebra 1 than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The critical areas include Relationships between Quantities and Reasoning with Equations, Linear and Exponential Relationships, Descriptive Statistics, Expressions and Equations, Quadratic Functions and Modeling. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course meets for double periods on alternate days, offering time for additional practice, review, and exploration. Students will use a graphing calculator.

Final Exam: Algebra 1 Regents Exam
Credit: 1 unit of math credit (40 weeks) - ½ unit of general graduation credit
Prerequisite: Maintain a 70% or higher average in 8th grade math and 65% or higher on 8th grade final exam.
*Students that do not meet these requirements are encouraged to enroll in Introduction to Algebraic Concepts (3019)

GEOMETRY (NR) (3216)

This is a one-year credit-bearing course that meets New York State's mathematics requirements towards earning a Regents Diploma. It is aligned to the New York State Learning Standards and is intended to be the second year of a four-year college preparatory sequence. This course employs an integrated approach to the study of connecting algebra to geometric relationships and proofs. Properties of triangles, quadrilaterals, and circles will receive particular attention. Congruence and similarity of triangles will be established using appropriate theorems; transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships; and topics in trigonometry extending to three-dimensional geometry will be explored. This course is typically followed by Algebra 2.

Grade: 10, 11, 12
Credit: 1 unit (40 weeks)
Final Exam: Local Final Exam
Prerequisite: Successful completion of Algebra 1R

GEOMETRY (R) (3210)

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in high school. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas are as follows: Congruence, Proof, and Constructions; Similarity, Proof, and Trigonometry; Extending to Three Dimensions; Connecting Algebra and Geometry through Coordinates; Circles With and Without Coordinates. Students will use a graphing calculator.

Final Exam: Geometry Regents in June
Credit: 1 unit of math credit (40 weeks)
Prerequisite: Passing of Algebra 1

GEOMETRY (H) (3215)

The concepts taught in Geometry are further explored to develop a greater depth of understanding and a higher level of mastery. Students will use a graphing calculator.

Final Exam: Geometry Regents Exam
Credit: 1 unit of math credit (40 weeks)
Prerequisite: Teacher recommendation and Passing Algebra 1 and Algebra 1 Regents Exam with an 85% or higher

ALGEBRA 2 (NR) (3233)

This is a one-year credit-bearing course that meets New York State's mathematics requirements towards earning a Regents Diploma. It is aligned to the New York State Learning Standards for Mathematics and is intended to be the third year of a four-year college preparatory sequence. In Algebra 2, students will further develop the concepts learned in Algebra 1 and Geometry and extend those into advanced algebraic applications that require more complex and technical calculations and transformations. Topics of study include: the Real and Complex Number systems; seeing structure in expressions; arithmetic with polynomials and rational expressions; creating equations; reasoning with equations and inequalities; building and interpreting functions; linear, quadratic, logarithmic, and exponential models; trigonometric functions; expressing geometric properties with equations; interpreting categorical and quantitative data; making inferences and justifying conclusions; and conditional probability and the rules of probability. .

Grade: 11 and 12
Credit: 1 unit (40 weeks)
Final Exam: Local Final Exam
Prerequisite: Successful completion of Algebra 1R and Geometry or Geometry R

ALGEBRA 2 (R) (3230)

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work with the expressions that define the functions, and continue to expand their abilities to model situations and to solve equations. The content standards are organized into four units:

Polynomial, Rational, and radical Relationships: Students focus on properties of operations, particularly the distributive property, identifying zeros of polynomials, including complex zeros of quadratic polynomials, and make connections between zeroes of polynomials and solutions of polynomial equations.

Trigonometric Functions: Students build on their previous work with functions and on their work with trigonometric ratios and circles in Geometry. Students now use the coordinate plane to extend trigonometry to model periodic phenomena.

Modeling with Functions: Students synthesize and generalize what they have learned about a variety of function families. They extend their work with exponential functions to include solving exponential equations with logarithms. They explore the effects of transformations on graphs of diverse functions. They identify appropriate types of functions to model a situation and compare models by analyzing appropriateness of fit.

Inferences and conclusions from Data: Students see how the visual displays and summary statistics they learned in earlier grades relate to different types of data and to probability distributions. They identify different ways of collecting data – including sample surveys, experiments, and simulations – and the role that randomness and careful design play in the conclusions that can be drawn.

The Mathematical Practice Standards apply throughout each unit.

Final Exam: Algebra 2 Regents in June
Credit: 1 unit of math credit (40 weeks)
Prerequisite: Passing of Geometry and Geometry Regents Exam

ALGEBRA 2 (H) (3235)

The concepts taught in Algebra 2 are further explored to develop a greater depth of understanding and a higher level of mastery. Students will use a graphing calculator. This class is an Honors level class for students who have shown mastery in Algebra and Geometry. The Algebra 2 curriculum will be covered at the highest level of rigor to prepare students not only for the Regents exam but also for preparing students for AP level math courses. Students passing the course and the Regents Exam will have completed the Math requirements for an Advanced Regents diploma.

Final Exam: Algebra 2 Regents in June
Credit: 1 unit of math credit (40 weeks)
Prerequisite: Teacher recommendation and Passing of Geometry and Geometry Regents Exam with an 85% or higher.

INTRODUCTION TO PRE-CALCULUS (3400)

The principal aim of this course is to prepare students for college calculus through the study of polynomial, rational, exponential, logarithmic, and circular functions. For each type function, a precise definition, a consideration of graphs and applications, and a study of distinguishing and interesting features are presented. Limits and derivatives are introduced. Students will use a graphing calculator.

A second aim of this course is to review and summarize important concepts of algebra, geometry, and trigonometry, and to apply them in solving practical problems.

Final Exam: Local exam in June
Credit: 1 unit of math credit (40 weeks)
Prerequisite: Passing of Algebra 2 and Algebra 2 Regents Exam

COLLEGE PRE-CALCULUS (H) (3410)

This course is intended for students who have shown mastery of Algebra 2 and Trigonometry and who have a desire to take AP Calculus or College level calculus. Topics included in this course are the theory of functions and transformations, polynomial, logarithmic, exponential, and trigonometric functions and equations. Also, the course will include complex numbers, DeMoivre's Theorem, the Binomial Theorem, analytical geometry including conics, limits and derivatives. A graphing calculator is needed for this course. Lewiston-Porter is part of Niagara County Community College's *College Acceleration Program* and students have the option of taking the course for college credit. (MAT 116M). Students who successfully complete this course will receive three college credits that will transfer to most higher education institutions.

Final Exam: Local exam in June
Credit: 1 unit of math credit (Lewiston-Porter) (40 weeks)
3 units (NCCC) – optional – Fee approximately \$237 - (MAT 116 – Pre-Calculus)
Prerequisite: Teacher recommendation and passing of Algebra 2 and Algebra 2 Regents Exam

ADVANCED PLACEMENT CALCULUS (3450)

A Differential and Integral Calculus course designed to prepare students to take the "AB" Level Advanced Placement exam sponsored by Educational Testing Service. The Calculus AP course assumes a good knowledge of Algebra, Geometry, Trigonometry, and Analytic Geometry. The course itself includes Elementary Functions and Calculus. The AP exam is always taken in May. There is a fee to take the exam and, generally, a score from 3–5 on a 5–point scale will allow a student to receive college credit, based on the individual college's policies. The test score has no bearing on the final average for the course.

Final Exam: AP Exam in May is required (Fee required by Educational Testing Services.) Local Exam in June.
Credit: 1 unit of math credit (40 weeks)
Prerequisite: Admission to the program is by application and includes recommendation from the Math Department and counselor. Students must have passed College Pre-Calculus (H) with at least a 75%.
Fee: A fee of approximately \$99 is required in order to take the AP exam. Financial aid for the AP exam is available to those that qualify.

INTEGRATED ANALYTICAL MATH (3500)

This course is designed to offer an option for earning a third math credit to students who do not wish to follow the three year sequence. The course addresses the five process standards in the NCTM Goals 2000: problem solving, reasoning, communication, connections and representation. It focuses on reasoning, critical thinking, data collection, and data analysis skills. There is a technology component involving Math Web Quest projects. Topics covered will include ratio and proportion, statistics, data analysis, informal geometry, number theory, financial application (financial management, tax structure, etc.), and integration of technology. Students will use a graphing calculator.

Final Exam:	Local exam in June
Credit:	1 unit of math credit (40 weeks)
Prerequisite:	This course is designed for juniors or seniors who have earned 2 math credits
Note:	This course may not meet requirements of NCAA Clearinghouse

ADVANCED PLACEMENT/COLLEGE LEVEL STATISTICS (NUSTEP) (3600)

Advanced Placement Statistics is a full-year course designed to prepare students to take the AP Statistics examination. Students can earn college credit through the AP College Board by passing the AP Exam or through Niagara University by taking the course through their dual enrollment program called NUSTEP. Students must choose at least one of these options. The use of statistics is important and relevant in our society. Nearly as many college students are required to take a statistics course as are required to take a course in calculus. Students interested in fields such as psychology, business, or health/medicine should consider enrolling in this course. For success in this college-level course, a high level of motivation and self-discipline are demanded. Projects are an integral part of the course. Major parts of the curriculum are concerned with exploring data, planning studies, anticipating patterns, and drawing statistical inferences. Students will use a graphing calculator. Students may have the option of taking this course for college credit. ***To be eligible for NUSTEP, seniors must have a minimum 80 average in the five core subjects (English, math, social studies, languages, and science). Juniors must have a minimum 85 average in the five core subjects.***

Final Exam:	AP Exam, NUSTEP Exam/Project, or both exams in May are required AP fee is approximately \$99 – financial aid available to those that qualify.
Credit:	1 unit of math credit (40 weeks) 3 college credits from Niagara University – tuition cost is \$285.00 (Intro Statistics/MAT 102)
Fee:	AP fee is approximately \$99*. NUSTEP courses are \$95 per credit hour - *financial aid available to those that qualifies.
Prerequisites:	Teacher recommendation and passing of Algebra 2 with at least 75% and passing of Algebra 2 Regents exam.
Note:	Students may enroll in both AP Statistics and another math course (AP Calculus, Pre-Calculus or College Pre-Calculus (H))

MUSIC

AP MUSIC THEORY (7502)

This AP music theory course covers more advanced materials and skills, building off of what was developed in Music Theory I. Topics include advanced harmonic progressions, seventh chords, modulations, non-chord tones, score analysis, figured bass, contextual listening, and aural skills. All students registered for this course are expected to take the AP exam. Students must have completed the basic level Music Theory I course as a prerequisite unless approval is given by the instructor.

This course meets the guidelines for the five unit sequence in music (3 ensemble credits and 2 "classroom" course credits).

This course is offered every other year.

Credit: 1 unit (40 weeks)
Exam: AP Exam is required. Cost is approximately \$98 – financial aid available to those that qualify.
Prerequisite: Music Theory I

CONCERT BAND (7505)

The concert band provides an opportunity for students to continue their studies of wind and percussion instruments. Students study and perform a variety of musical styles including traditional wind band literature, standard marches, orchestral transcriptions, and arrangements of contemporary music. Members attend daily group rehearsals which stress ensemble performance principles. Students must also attend a weekly band lesson for development of individual skills through instrument-specific literature. Concerts are performed throughout the year with the option for solo competitions and honors ensembles. An attendance and participation policy is strictly enforced. Band members must demonstrate minimum skill proficiency on their chosen band instrument before registering for the class.

Credit: 1 unit (40 weeks)
Prerequisite: Audition and/or director approval

STRING ORCHESTRA (7510)

The String Orchestra provides an opportunity for students to continue their study of string instruments. Students study and perform music of varied styles and time periods. Members attend daily group rehearsals which stress ensemble performance principles. Students must also attend a weekly orchestra lesson for development of individual skills through instrument-specific literature. Concerts are performed throughout the year with the option for solo competitions and honors ensembles. Orchestra members must demonstrate minimum skill proficiency on their chosen string instrument before registering for the class.

Credit: 1 unit (40 weeks)
Prerequisite: Audition and/or director approval

CONCERT CHOIR (7515)

Concert choir is open to all students in grades 9-12. No experience necessary. We all have a voice. This course gives you the confidence to use it, while making music with your friends! All are welcome! Emphasis is on the performance of choral literature in a variety of styles including music of the great composers, along with popular tunes, Broadway, spirituals, jazz, etc. Students rehearse daily and continue to work on their sight singing and music reading skills. Students also attend one voice lab per week (small group lesson). There is an attendance policy for rehearsals, performances and concerts.

Credit: 1 unit (40 weeks)

MUSIC HONORS:

CONCERT BAND (H) – 7506 CHOIR (H) – 7516 ORCHESTRA (H) – 7511

The Music Honors program is offered to music students who show a commitment to their musical studies and demonstrate high achievement. Students that participate in this program perform at a level that exceeds the expectations of a typical high school student. Music Honors is open to sophomores, juniors and seniors who perform NYSSMA level 6 solo repertoire and are a candidate for Area All-State and/or Conference All-State. Students interested in the program must submit their interest to the music faculty and complete a Music Honors Contract. Each student will be evaluated on an individual basis to determine acceptance. Those accepted must meet a series of ensemble and solo performance requirements. Music Honors students will receive a weighted quarterly grade equivalent to an Advanced Placement course.

Credit: 1 unit (40 weeks) for each course.

PHYSICAL EDUCATION

PHYSICAL EDUCATION REQUIREMENT

Education Law and the Regulations of the Commissioner of Education mandate physical education for all pupils in New York State schools. **IN ORDER TO SECURE A DIPLOMA OF ANY TYPE, A PUPIL MUST SATISFACTORILY COMPLETE THE PHYSICAL EDUCATION REQUIREMENTS.**

A student is required to participate in physical education each semester he/she is in school prior to graduation. If a student must have a modified program because of a health condition, an official excuse from the physician and a Lew-Port Limited Activity form must be completed prior to the modification. Forms are available from the nurse at the senior high school. If a student is excused from participating in Physical Education, they must contact their PE instructor to receive a written assignment, which must be completed to earn PE credit. Written assignment details can be found on the High School PE webpage.

Students who are reported as being absent from physical education classes are required to make up those sessions as determined by the physical education teacher.

In grades 9 thru 12, a 1/2 unit of credit per year is earned for physical education toward a diploma.

All students may choose five-week units that are available on a rotating basis and must complete a one swim unit each year.

Healthy Living (8776)

Focuses on personal fitness activities. Healthy living is a multifaceted concept that encompasses various dimensions of well-being. Within the framework of physical education, the promotion of healthy living extends beyond physical fitness to include nutrition, mental health, and overall lifestyle choices.

Components of Fitness:

- Tennis
- Walking
- Badminton
- Swim
- Backyard games
- Bowling
- Pickleball
- Golf
- Weightlifting
- Cardio
- Plyometrics
- Table Tennis
- Archery

Credit: 1/2 unit (40 weeks)

Grades: All grades

Team Sports (8777)

Focuses on game play and rules of sports. This course will focus on the skills necessary to play team sports; such as flag football, softball, volleyball, basketball, floor hockey & lacrosse. Game play will be included. A variety of fitness activities and testing will also be incorporated in this course.

Components of Fitness:

- Flag Football
- Soccer
- Badminton
- Swim
- Basketball
- Team handball
- Hockey
- Broomball
- Volleyball
- Pickleball
- Lacrosse
- Softball
- Ultimate Frisbee

Credit: 1/2 unit (40 weeks)

Grades: All grades

All jewelry (except MEDICAL ALERT jewelry) must be removed for a student to be able to participate in physical education classes.

Some physical education units require the use of Heart Rate Monitors to be used as an assessment tool.

Visit the High School PE web page @ www.lew-port.com for further details about the Physical Education curriculum, policies and procedures.

SCIENCE

LIFE SCIENCE: INTRO TO BIOLOGY (4112)

This is the first year of a two-year course that counts towards the Living Environment Commencement level requirements and meets New York State science standards toward earning a Regents diploma. This course is aligned to the Living Environment Core Curriculum units based on the New York State Learning Standards. It emphasizes interaction and interdependence, ecology and human influence on the physical and living environment. Students also learn about methods used to conduct scientific research and measure. The course focuses on using a variety of activities to develop the reading, writing and math skills necessary to understand the content. Students demonstrate proficiency through multiple activities, tests, quizzes, and projects.

Credit: 1 unit (40 weeks)

Prerequisite: 8th grade Science

Level: Grade 9

LIFE SCIENCE: BIOLOGY (REGENTS) (4110)

Science relies on logic and creativity. It's a way of knowing; an intellectual and social process that applies human intelligence to the explanation of how the world works. Scientific explanations are developed using both observations (evidence) and what people already know about the world (scientific knowledge). All scientific explanations are tentative and subject to change. Understanding the scientific view of the natural world is an essential part of personal, societal, and ethical decision making.

The intent of this course is to provide students with an awareness of the natural world, basic scientific concepts, stimulation of inductive reasoning, and a basic understanding of biological processes and generalizations.

Students, upon completion of this course, will be able to hypothesize, interpret, evaluate, and apply their scientific knowledge and skills to real-world situations.

The basic core units are:

- Unit I – Similarities and Differences Among Living Organisms** – Characteristics of life, Cells, Single-celled vs. Multi-celled organisms
- Unit II – Homeostasis in Organisms** – Biochemical processes, Feedback and homeostasis, Disease
- Unit III – Genetic Continuity** –Heredity and genes, Genetic code, Genetic engineering
- Unit IV – Reproduction and Development** – Types of reproduction, Cell division, Human reproduction and development, Reproductive technology
- Unit V – Evolution** – Theory of evolution, Mechanics of evolution, Patterns of change
- Unit VI – Ecology** – Organisms and their environment, Population interactions, Energy flow in ecosystems, Diversity benefits life, Environmental changes
- Unit VII – Human Impact on Ecosystems** – Need for awareness, Our environment, People and the environment, Impact of technology, Individual and societal actions

Scientific Inquiry and Skills – What is science? Scientific inquiry, Further understandings

Laboratory Skills – Measurement tools, Microscopes, Observing organisms, Other lab techniques, Lab safety

Laboratory Requirement: Double period laboratory session

The successful completion of the laboratory program, which is a **prerequisite for admission to the final examination**, requires that the student:

1. Completes laboratory experiences representing all full-time lab periods.
2. Completes a satisfactory written report for each laboratory experience.
3. Demonstrates proficiency in those skills specified in the Living Environment Laboratory Skill Evaluation Form.

Final Exam: Regents Exam
Credit: 1 unit (40 weeks)
Level: Grade 9

ADVANCED PLACEMENT BIOLOGY (4130)

This course is a one-year Advanced Placement course taught to Seniors and qualified Juniors. The overall academic record of the student must contain promise of success in college level work.

The aim of this course is to achieve the following:

1. Knowledge of the facts, principles and processes of biology;
2. Understanding of the means by which biological information is collected, how it is interpreted, and how one formulates a hypothesis from available data and makes further predictions;
3. Understanding that science is a human endeavor with social consequences;
4. Introduction of the students to college level work so that they may receive college credit;
5. Understanding of the most up-to-date information on various aspects of modern biology.

A college level textbook will be used, and laboratory experiences are included in this course. The four Big Ideas of the course are:

1. The process of evolution drives the diversity and unity of life.
2. Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.
3. Living systems store, retrieve, transmit and respond to information essential to life processes.
4. Biological systems interact, and these systems and their interactions possess complex properties.

Prerequisite: The successful completion of The Physical Setting/Chemistry (Physics is also strongly recommended)
Exam: AP exam required (fee approximately \$99 - financial aid available to those that qualify)
College Credit: 3 units possible with score of 3, 4, or 5 on AP exam given in May (depending on policy of individual colleges).
Credit: 1 unit (40 weeks)
Double period laboratory session
Level: Grades 11 or 12

PHYSICAL SETTING/EARTH SCIENCE WITH LAB (NR) (4019)

This course is for the student who historically has had difficulty with science and math. This course will meet the physical science requirement for graduation. Earth Science A will cover plant & Star Astronomy; weather variable & trends; climate studies; plate tectonics; earthquakes; natural disaster preparedness; Latitude and Longitude Coordinates; other topics as time allows.

Final Exam: Local Exam
Credit: 1 unit (40 weeks)
Level: Grade 10
Prerequisite: Pass Biology Regents and Regents Exam

THE PHYSICAL SETTING/EARTH SCIENCE (REGENTS) (4010)

The Regents Earth Science program presents a course of study designed to encourage students to learn about their world by experiencing it first-hand. Earth Science is one of the most relevant disciplines students can undertake. It is through a study of Earth Science that students begin to understand the world around them and the forces responsible for the changes that they experience. It is also through the study of Earth Science that the delicate balance of nature on our planet can be understood and appreciated. Students should be led to view the Earth as a home with limited resources and limited ability to recover from abuse.

During our course of study, students will engage in activities that include: analysis, inquiry, design, information systems, mathematics, technology, and problem solving. As a result, students will experience an integration of scientific fact with the attitude formation necessary for the development of an informed, scientifically literate population.

Major areas to be covered:

The Earth Structure	Meteorology
Minerals and Rocks	The Water Cycle and Climate
The Dynamic Crust	Earth in Space
Weathering, Erosion, and Deposition	Oceanography/Coastal Processes
Earth History	Glacial Processes

The laboratory program is a **PREREQUISITE FOR ADMISSION TO THE FINAL EXAM**. The student must complete all lab activities assigned **AND** submit a satisfactory written report for the laboratory experiences.

The Laboratory Practical Test will be given in May or June prior to the written final exam.

Prerequisite: The successful completion of Living Environment/Biology Regents Exam
Final Exam: Regents
Credit: 1 unit (40 weeks) Regents
Level: Grades 10

PHYSICAL SETTING EARTH SCIENCE WITH LAB (HONORS) (4013)

The Honors section of Earth Science is a rigorous curriculum designed to allow highly motivated students to conduct an in-depth study of the Earth and Environmental Sciences. In Honors Earth Science, students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In order to develop a greater understanding of the processes that shape our everyday lives, the curriculum will integrate inquiry investigations and a variety of technologies with the study of earth as a system. The impacts of human activities on earth systems will also be a focus.

The results of student investigations should be communicated through presentations and formal laboratory reports. Enrichment and integration with other disciplines is encouraged.

Activities involve observation, data collection, classification, and prediction. Real-time data and Internet technologies are emphasized. The dynamic changes of the physical world are the main focus and environmental stewardship is addressed.

The Earth Science Regents exam is required. All labs must be completed and the lab practical taken to be eligible for the Regents exam in June.

Prerequisite: Mastery of Living Environment Regents (85 or Above)
Final Exam: Regents
Credit: 1 unit (40 weeks) Regents
Level: Grades 10

GENERAL CHEMISTRY (4206)

The General Chemistry course surveys topics such as: matter and energy, bonding, acids and bases, and the periodic table. It also pursues the connections between theoretical issues in chemistry and practical applications in the community such as; environmental pollution, chemical resources, water quality, criminal investigation, forensics and food chemistry.

Final Exam: Local
Credit: 1 unit (40 weeks)
Prerequisite: The successful completion of Physical Setting/Earth Science and Living Environment/Biology.
Level: Grades 11 or 12

Laboratory requirement:

1. Laboratory experience in addition to class time is required.
2. Written lab reports will indicate if lab requirements have been met by the student.

THE PHYSICAL SETTING/CHEMISTRY (REGENTS) (4210)

In Physical Setting/Chemistry, students will be able to 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.

Chemistry Core Topics:

1. Atomic Concepts
2. Periodic Table
3. Moles/Stoichiometry
4. Chemical Bonding
5. Physical Behavior of Matter
6. Kinetics/Equilibrium
7. Organic Chemistry
8. Oxidation-Reduction
9. Acids, Bases and Salts
10. Nuclear Chemistry

Laboratory requirement:

3. 1200 minutes of a passing laboratory experience in addition to class time is required for admission into the Regents Chemistry examination.
4. Written lab reports and teacher kept time logs will indicate if lab requirements have been met by the student.

Regents Exam:

1. Part A: Content based multiple choice questions.
2. Part B: Content and skills based questions, multiple choice or open ended questions, assessing the students' ability to apply, analyze, synthesize and evaluate material.
3. Part C: Content, skills and their application will be assessed with open ended items requiring students to apply their knowledge of content and skills in real-world situations.
4. Part D: Laboratory performance.

Credit: 1 unit (40 weeks)

Prerequisite: The successful completion of two Math credits, a passing grade on the Physical Setting/Earth Science and the Living Environment/Biology Regents exams.

Level: Grades 11 or 12

THE PHYSICAL SETTING/CHEMISTRY (HONORS) (4216)

The honors section of The Physical Setting/Chemistry is an enriched level that can be taken as an option instead of the standard Chemistry course. The honors class covers all of the Regents Chemistry content, with the addition of higher level material geared as a suggested pre-requisite to the Advanced Placement Chemistry course.

Chemistry Core topics are the same as the Regents course but covered in more depth as this is considered to be a preparatory course for students interested in taking AP chemistry.

Laboratory requirement:

1. 1200 minutes of laboratory experience, in addition to the class time, is required for admission into the Regents Chemistry Examination. Laboratory will be more rigorous than non-honors chemistry, with written laboratory reports and time log requirements.

Credit: 1 unit (40 weeks)

Prerequisite: The successful completion of two Math credits (special attention for algebraic skills) and a mastery grade on both of the Physical Setting/Earth Science and the Living Environment/Biology Regents exams.

Level: Grades 10, 11 or 12

ADVANCED PLACEMENT CHEMISTRY (4230)

The course is designed to prepare students to take the Advanced Placement chemistry exam. University level work is expected and the class sessions emphasize problem solving. A college level textbook and laboratory experiences are used in the course. Access to web-based program: www.myap.collegeboard.org will be mandatory for exam registration and material used in the classroom.

The course will cover the 6 Big Ideas (CR2):

1. Structure of matter (CR3a)
2. Properties of matter-characteristics, states and forces of attraction (CR3b)
3. Chemical reactions (CR3c)
4. Rates of chemical reactions (CR3d)
5. Thermodynamics (CR3e)
6. Equilibrium (CR3f)

Laboratory: 25% of instruction time (CR5a)

- Laboratory rubric is the grading system used to determine the mark for lab work.
- Lab topics (CR5b) including 6 inquiry-based lab topics (CR6) which are listed in the objectives.

Time Requirement: Students will spend at least one double period (80 minutes) a week in the lab to complete the suggested hands-on laboratory assignments.

Laboratory Reports: Each student is expected to keep a portfolio of the laboratory reports for each lab completed during the year. Each lab in the lab portfolio will be graded. It is important to note that many universities and colleges will request to see the lab portfolio when considering whether or not AP chemistry credit is granted.

Exam:	AP Exam required (fee approximately \$99 - financial aid available to those that qualify)
Credit:	1 unit (40 weeks)
Prerequisite:	The successful completion of The Physical Setting/Earth Science, Living Environment/Biology, Physical Setting/Chemistry Honors and Regents Physics or Honors Regents Physics are recommended; and the successful completion of two Math credits.
Level:	Grades 11 or 12

THE PHYSICAL SETTING/ PHYSICS (REGENTS) (4410)

This course is geared to produce a genuine understanding of the physical laws fundamental to all sciences. An emphasis is placed on problem solving techniques that are applicable to any field of study.

Because the course is geared toward conceptual understanding, rather than mathematical skills, it is suitable for students with a wide range of abilities. The topics covered are Mechanics, Heat, Wave, Optics and Atomic and Nuclear Physics.

This course is essential to those considering a science-related field of study.

Final Exam:	Regents exam
Credit:	1 unit (40 weeks)
Prerequisite:	Passing grade on Physical Setting/Earth Science, Living Environment/Biology, and Physical Setting/Chemistry Regents exams; and the successful completion of two Math credits.
Level:	Grades 11 or 12

THE PHYSICAL SETTING/PHYSICS (HONORS) (4416)

The honors section of The Physical Setting/Physics is an enriched level that can be taken as an option instead of the standard Physics course. The honors class covers all of the Regents Physics content, with the addition of higher level material.

Physics Core topics are the same as the Regents course but covered in more depth.

Laboratory requirement: 1200 minutes of laboratory experience, in addition to the class time, is required for admission into the Regents Exam. Laboratory will be more rigorous than non-honors chemistry, with laboratory notebook and time log requirement.

Credit:	1 unit (40 weeks)
Prerequisite:	Scoring mastery on the Regent Chemistry Exam.
Level:	Grades 11 or 12

ADVANCED PLACEMENT PHYSICS C: MECHANICS (4429)

Advanced Placement Physics C: Mechanics is a calculus-based physics course that covers kinematics, dynamics, energy, momentum, rotation, gravitation and oscillation. This course is the first of a two-course sequence that is equivalent to the introductory physics course taken by science and engineering students at most colleges and universities.

Advanced Placement Physics C: Electricity and Magnetism builds on the C: Mechanics, with the addition of forces exerted on charged particles, electric and magnetic fields, electric circuits and their components, and the nature of electromagnetic radiation. This course is equivalent to the second semester of the introductory physics sequence typically offered at colleges and universities. This course applies both differential and integral calculus.

Examination: AP Exam required (fee approximately \$99 – financial aid available to those that qualify)
Credit: 1 unit (40 weeks)
Prerequisite: Students must have completed Regents Physics and be concurrently registered in AP Calculus
Level: Grades 11 or 12

METEOROLOGY (4420)

This is an elective course in weather forecasting. Our perspective is that of the non-scientist who wants to gain an appreciation for all that takes place in the atmosphere around us.

The emphasis is on watching the sky, learning about basic atmospheric processes and understanding television weather casts. We use an online, interactive program to complete lessons on weather and climate, operate our own weather station and use the data to learn about pressure trends, make station models and more. Some of the topics covered are: the basic causes of weather, what causes the wind, tropical systems, fronts, precipitation types, thunderstorms and severe weather ranging from hail to tornadoes to hurricanes.

Credit: 1 unit (40 weeks)
Prerequisite: The successful completion of Earth Science and Living Environment/Biology
Level: Grades 11 or 12

ASTRONOMY (4423)

This elective course is the study of the universe above the Earth's atmosphere. In this course, students will study stars, motions of the sun, moon, and planets, and learn the constellations. Students will also learn the history of astronomy, rocketry and space travel. The birth, life and death of our solar system, our galaxy, the cosmos and current advancements in astronomy.

This course is intended for students who have demonstrated a high level of self-motivation. Much of the work is project and lab based. Night observations (at home) will be required.

Credit: 1 unit (40 weeks)
Level: Grades 11 or 12
Prerequisite: The successful completion of The Physical Setting/Earth Science and Living Environment/Biology and Algebra.

SOCIAL STUDIES

GLOBAL HISTORY AND GEOGRAPHY

Global History and Geography is a chronological approach to World History. This course meets the New York State Board of Regents standards and is fully aligned to the Common Core Standards. There is a focus on literacy and an emphasis on vocabulary and reading informational texts and primary sources. It is divided into two sections. Grade 9 begins the study of the ancient world through approximately 1500 B.C.E. It includes an Introduction to Global Studies, Ancient World Civilizations and Religion, Global Interactions, and the First Global Age.

SOCIAL 9R (2000)

Global History and Geography I (2000) begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems. While the course emphasizes the importance of historical and spatial thinking, all of the social studies practices and standards are included in the study of global history and geography. Course content includes First Civilizations, Belief Systems, Classical Civilizations, Rise of Trade Networks, Political Powers and Achievements, Global Interactions 1400 - 1750, Africa and the Americas Pre-1600's, and Transformation of Western Europe and Russia. Students must pass Part I (9th grade) before moving to Part II (10th grade).

Credit: 1 unit (40 weeks)
Examination: Local (final) examination required
Level: Grade 9

SOCIAL 10R (2100)

Global History and Geography II (2100) provides a snapshot of the world circa 1750 to the present. The course 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. While the course emphasizes the importance of historical and spatial thinking, all of the social studies practices and standards are included in the study of global history and geography. It includes the Age of Revolutions, Industrialization, Imperialism, World War I, World War II, The Cold War, Decolonization and Nationalism, Contemporary Issues and Human Rights violations. At the conclusion of the course, all students must pass the New York State Regents Exam, testing content from 10th grade, and skills learned in 9th grade. Full course credit cannot be given unless students pass both the course and the Regents Exam.

Credit: 1 unit (40 weeks)
Examination: Regents Exam required including those that take the AP class
Level: Grade 10

WORLD HISTORY/AP (2110)

Students demonstrating the necessary skills and commitment to do the work may take Global History and Geography. This course is designed to meet and exceed New York State Regents and the Common Core Standards and goes beyond the requirements in material, in skill development and in enrichment topics and activities. Frequent writing assignments will be given, and an assignment should be expected each summer as part of the course requirements. Students are required to take the AP World History exam after completing 10th grade.

Students completing both years of the course are required to take the AP World History exam after completing 10th grade.

Credit: 1 unit (40 weeks) 10th grade
Examination: Regents Exam and AP Global History exam
Fee: Required cost approximately \$99 – financial aid available on request to those that qualify
Level: Grade 10

SOCIAL 11R (2200)

U. S. HISTORY & GOVERNMENT (2200) taken in eleventh grade, U. S. History & Government is a chronological survey of United States history and the development of American democracy, beginning with exploration of North America, and continuing to the present day. It explores America as a developing industrial and post-industrial nation, and examines Constitutional and legal issues which have shaped the nation. The course includes a study of the problems of a dynamic industrial society in an increasingly complex world. This course meets the New York State Board of Regents curriculum standards and is fully aligned to the Common Core Standards. There is a focus on literacy and an emphasis on vocabulary and reading informational texts and primary sources. Full course credit cannot be given unless students pass both the course and the Regents Exam.

Credit: 1 unit (40 weeks)
Examination: Regents Exam in United States History and Government (required)
Level: Grade 11 (AP US History and Government may be substituted)

College Level NUSTEP - US History 103/104 (AP/NU) (2210)

This survey course is a chronological study of U.S. history. Topics covered include American Government, Civil War and Reconstruction, World Wars, Civil Rights, the presidents, and modern politics. The course is a study in political, economic, and social trends of each time period. This dual enrollment course is designed to meet and exceed [NYS curriculum framework standards](#) in addition to aligning with the HIS 103 and HIS 104 syllabi at Niagara University. Course work is demanding and requires a commitment to an increased workload. Students completing this course are required to pay for Niagara University Senior Term Enrichment Program (NUSTEP) credit for the fall semester; students can opt to also pay for the spring semester to earn a total of 6 college credits on a Niagara University transcript.

Credit: 1 unit (40 weeks)
Examination: Regents Exam in United States History and Government (required) in addition to a NUSTEP final exam each semester.
Fee: NUSTEP credit is \$300 per 3 credits/semester; students can earn 3 credits in the fall semester and 3 credits in the spring semester. Students can opt into the AP Exam
Grade Level: 11

PARTICIPATION IN GOVERNMENT (2300)

This course is one of two required courses in twelfth grade Social Studies. The major goal of the course is to encourage students to understand and participate in the democratic process. It will examine public policy issues and offer an insight into the functioning of government on the local, state and federal level. Students must participate in a variety of activities designed to acquaint them with local government and do volunteer service. This course meets the New York State Board of Regents curriculum standards and is fully aligned to the Common Core Standards.

Credit: 1/2 unit (20 weeks)
Local final exam and projects are required
Level: Grade 12

ECONOMICS (2305)

This course is one of two required courses in twelfth grade Social Studies. Economics is the study of choices and the decisions people make about how to use scarce resources. This course introduces the basic concepts of economics, economic systems, supply and demand, business organizations, and financial markets. This course meets the New York State Board of Regents curriculum standards and is fully aligned to the Common Core Standards.

Credit: 1/2 unit (20 weeks)
Local final exam and projects are required
Level: Grade 12

College Level NUSTEP Political Science 101 (2330)

This advanced course examines the nature of the American political system, its development and its workings. The course will detail the principles, processes and institutions through which the political system functions. This course also introduces the basic concepts of economics, economic systems, supply and demand, business organizations, and financial markets. Students completing this course are required to take the AP U.S. Government and Politics examination, and/or earn college credit through Niagara University's NUSTEP program. ***To be eligible for NUSTEP, seniors must have a minimum 80 average in the five core subjects (English, math, social studies, languages, and science). Juniors must have a minimum 85 average in the five core subjects.***

Credit: 1 unit from Lewiston-Porter (40 weeks)
Examination: Midterm/Final exam approved by Niagara University Department of Psychology
Cost: AP Exam cost approximately \$99- financial aid available to those that qualify and/or
Tuition: Niagara University (cost is \$285)
Level: Grades 11 or 12

ELECTIVES THAT MAY BE OFFERED DEPEND UPON INTEREST AND TEACHER AVAILABILITY

PSYCHOLOGY (2315)

This course focuses on the study of human behavior. As an introduction to the field of psychology, this course includes a review of psychological principles, terminology, major theories, careers, methods of experimentation and abnormal psychology. This class can lead to the AP or college-level Psychology course.

Credit: ½ credit (20 weeks)
Examination: Midterm/Final exam
Level: Grades 10, 11 or 12

INTRODUCTION TO CRIMINAL JUSTICE (2501)

An overview of the criminal justice system and its historical development is offered, as well as a study of the current state of the criminal justice system on the local, state and national level. It will provide practical information and problem-solving opportunities which develop in students the knowledge and skills necessary for survival in our law-saturated society. Students can take this course for college credit through Niagara University's NUSTEP program. ***To be eligible for NUSTEP, seniors must have a minimum 80 average in the five core subjects (English, math, social studies, languages, and science). Juniors must have a minimum 85 average in the five core subjects.***

Credit: 1/2 credit/3 college credits (20 weeks)
Examination: Final Exam
Tuition: Niagara University (cost is \$285.00) (CRJ 101)
Level: Grades 11 or 12

LEADERSHIP IN ACTION (9065)

This elective class is designed for the student interested in learning the basic concepts of leadership including: group processes, leadership practice and planning, and organization in practical school situations. It affords the student the opportunity to develop leadership, human relations, communication, time management, teamwork, budget, project planning, and implementation. The grading for this class is based on two major projects that must benefit the school and/or community in addition to class work.

Credit: 1 Credit (40 weeks)
Examination: Two Projects
Level: Grades 11 or 12

TECHNOLOGY

NYS GRADUATION REQUIREMENT: NYS requires all students to complete one unit in Art and/or Music. **Design and Drawing for Production (DDP)** fulfills this requirement.

Many of these courses are offered on a rotating basis and according to student demand. They may not be available every year.

DESIGN AND DRAWING FOR PRODUCTION (NCCC) (9150)

This is an introductory course in the area of drafting. It is an extremely beneficial course for any student seeking a Technology Education sequence or interested in a technical or engineering field. Topics presented will include Sketching, Problem Solving, Creativity, Design, Tools, Equipment and Materials, Lettering, Isometric Drawing, Orthographic Drawing, Dimensioning, and Careers. The drawing techniques taught are similar to those used in industry for representing the size and shape of an object to be manufactured. CAD software and technical drawing tools will be used. This course also includes activities and competitions that involve problem solving techniques.

Prerequisite: None
Credit: 1 unit
Articulation Agreement for college credit with NCCC course MET-110 Engineering Drawing I
Fee: Expected cost \$172.00

CAM/ROBOTICS 1 (NCCC) (9143)

This course develops a base of knowledge relative to the manufacturing industry's robots and their uses. Modules in this course will concentrate on both product and production engineering. Conventional and computer aided manufacturing processes are explored. Hands-on activities in the development, production and evaluation of robotic devices will emphasize a team approach to manufacturing. Students will use and be able to describe the functional apparatus related to computer aided manufacturing and learn how a program controls/directs a robot to perform a task.

Prerequisite: 1 credit in Technology or permission from instructor
Credit: 1 unit (40 weeks)
Articulation agreement for college credit with NCCC course TEC-250 Introduction to Robotics
Fee: Expected cost \$172.00

THEATER

INTRODUCTION TO THEATER (1452)

Acting I is an introductory studio course for any student interested in the dramatic arts and is a prerequisite for Acting II or beyond. This course will cover the history and vocabulary of theater, an overview of professional theater in the United States, basic elements and principles of theatrical performance and technologies through character and scene study, stage movement, voice, diction and improvisation techniques.

Level: All grades
Credit: 1 unit (full year course)
Exam: Final Project

DRAMA PERFORMANCE (1453)

Acting II is a continuation course from Acting I. Continued character and scene study with the incorporation of alternative rehearsal techniques and improvisation. Additionally, Intensive monologue study and audition preparation are covered through character and scene study, stage movement, voice, diction and improvisation techniques. Participation in audition and performance outside the classroom is required.

Prerequisite: Acting I
Level: All grades
Credit: 1 unit (full year course)
Exam: Final Project

WORLD LANGUAGES

General Information:

All students must earn one (1) credit in a second language for graduation. Students must earn three (3) credits and pass the Comprehensive Exam to earn the Advanced Regents Diploma. To earn the World Language portion of the Seal of Biliteracy, completion of Spanish or French Levels 203 and 204 (college) or Chinese IV and a presentation are required.

In all levels, learners will learn to communicate effectively in the target language in order to function in a variety of contexts and for multiple purposes and use the target language to identify, describe, compare, and explain the practices, products, and perspectives of the cultures studied.

[Frequently Asked Questions from the NY State Department of Education](#)

Based on the New York State World Languages Standards, these themes are covered in the French, Spanish and Chinese curriculums and revisited from level to level:

Identity & Social Relationships
Contemporary Life
Science, Technology, & the Arts
Global Awareness & Community Engagement

FRENCH II (5600)

This course continues the development of communication skills (speaking, comprehension, reading and writing) through intensive study of grammar and vocabulary, as well as culture and literary readings from the Francophone world.

Prerequisite: Successful completion of French I or equivalent credits from another district
Credit: 1 unit (40 weeks)
Exam: Local exam

FRENCH III (5700)

This course is a continuation of French I and II. It is the final step that prepares students to take the Regional Comprehensive Exam. Students will build their reading, writing, listening and speaking skills and academic vocabulary by reading and discussing spiraling content in increasingly complex texts. Successful completion of French III AND passing the final exam are requirements for the **NYS Regents Diploma with Advanced Designation**.

Prerequisite: Passing French II or equivalent credits from another district
Credit: 1 unit (40 weeks)
Exam: Regional Comprehensive Examination

COLLEGE FRENCH 203 (5801) (NCCC)

This course is an exciting opportunity for an individual who has completed the first three levels of French successfully to receive **3 college credits**. Lewiston-Porter is part of Niagara County Community College's College Acceleration Program (CAP). CAP affords students the opportunity to begin their college career early and earn credits toward a college degree while still attending high school. These credits will transfer to any New York State College or University and most private higher learning institutions. The class is taught on the Lewiston-Porter campus by one of our World Language teachers. It runs as a half-year course from September through January.

This course is an intermediate level French class that will review and expand on what has been learned previously. Review of French grammar and continued development on listening, speaking, writing, and reading skills will be part of this course, along with literature, art, and culture.

The cost of the course is approximately \$85 per credit hour, \$255 total, which is a fraction of what a student would pay if it were taken at a college or university. *Price is subject to change

Prerequisite: Passing of French III
H.S. Credit: 1 unit (40 weeks)
College Credit: NCCC - 3 credits (French 203 Intermediate French I)
Exam: Local assessment

SPANISH I (5000)

This course is a beginner level course designed for students who have NOT received the level 1 graduation credit from the middle school coursework or another school. Credit is earned through successful completion of two years of study in the SAME language AND passing the World Language Proficiency Exam. Completion of this level is required for graduation.

This course introduces students to the four basic functions of language: speaking, understanding, reading and writing while stressing vocabulary, grammar and pronunciation. The cultures of the Spanish-speaking world also form the content of the course.

Prerequisite: None
Credit: 1 unit (40 weeks)
Exam: Local exam

SPANISH II (5100)

This course continues the development of communication skills (speaking, comprehension, reading and writing) through intensive study of grammar and vocabulary, as well as culture and literary readings from the Spanish-speaking world.

Prerequisite: Successful completion of Spanish I or equivalent credits from another district
Credit: 1 unit (40 weeks)
Exam: Local exam

SPANISH III (5200)

This course is a continuation of Spanish I and II. It is the final step that prepares students to take the Regional Comprehensive Exam. Students will build their reading, writing, listening and speaking skills and academic vocabulary by reading and discussing spiraling content in increasingly complex texts. Successful completion of Spanish III AND passing the final exam are requirements for the **NYS Regents Diploma with Advanced Designation**.

Prerequisite: Passing Spanish II or equivalent credits from another district
Credit: 1 unit (40 weeks)
Exam: Regional Comprehensive Examination

COLLEGE SPANISH 203 (5301) (NCCC)

This course is an exciting opportunity for an individual who has completed the first three levels of Spanish successfully to receive **3 college credits**. Lewiston-Porter is part of Niagara County Community College's College Acceleration Program (CAP). CAP affords students the opportunity to begin their college career early and earn credits toward a college degree while still attending high school. These credits will transfer to any New York State College or University and most private higher learning institutions. The class is taught on the Lewiston-Porter campus by one of our World Language teachers. It runs as a half-year course from September through January.

This course is an intermediate level Spanish class that will review and expand on what has been learned previously. Review of Spanish grammar and continued development on listening, speaking, writing, and reading skills will be part of this course, along with literature, art, and culture.

The cost of the course is approximately \$85 per credit hour, \$255 total, which is a fraction of what a student would pay if it were taken at a college or university. *Price is subject to change

Prerequisite: Passing of Spanish III
H.S. Credit: 1 unit (40 weeks)
College Credit: NCCC - 3 credits (Spanish 203 Intermediate Spanish I)
Exam: Local assessment

CHINESE II (5256)

This course continues the development of communication skills (speaking, comprehension, reading and writing) through intensive study of grammar and vocabulary, as well as culture and literary readings from the Chinese-speaking world.

Prerequisite: Successful completion of Chinese I or equivalent credits from another district
Credit: 1 unit (40 weeks)
Exam: Local exam

CHINESE III (5257)

This course is a continuation of Chinese I and II. It is the final step that prepares students to take the Regional Comprehensive Exam. Students will build their reading, writing, listening and speaking skills and academic vocabulary by reading and discussing spiraling content in increasingly complex texts. Successful completion of Chinese III AND passing the final exam are requirements for the **NYS Regents Diploma with Advanced Designation**.

Prerequisite: Passing Chinese II or equivalent credits from another district
Credit: 1 unit (40 weeks)
Exam: Regional Comprehensive Examination

<https://www.actfl.org/assessment-research-and-development/actfl-assessments>

<https://avantassessment.com/stamp-american-council-on-education-ace>

Career and Technical Education Programs

Grades 11 and 12

GENERAL INFORMATION

Students enrolled in Occupational courses work in a classroom laboratory for half a day and pursue academic courses at their home high school during the remainder of the school day. The BOCES Vocational Center provides training in specific occupational fields, closely following industrial and business practices. Students may apply for admission in the spring of their sophomore year for the two-year programs, and in a few cases during the junior year for the one-year programs.

Students must participate in the orientation process prior to making a final decision. It should be noted that in order to complete the program and complete graduation requirements in four years, students must be full-fledged juniors prior to attending the Center. Students shall receive 3 units of credit during the first year and 3 units of credit for the second year. A list of courses follows:

ANIMAL SCIENCE I & II (9234/9235)

Animal Science is a two-year program designed to explore the diverse field of animal science. This program is for students who have a desire to work with large or small animals. Students will recognize the important roles animals play in society from individual ownership to scientific research with far reaching implications. This technical course teaches specialized and advanced skills in areas such as veterinary assisting, care and handling of animals in a laboratory or veterinary setting, dog grooming and kennel/pet shop management. It provides students with the opportunity to care for and be exposed to a wide variety of animals within the classroom and community setting. This science-based program will teach skills in areas such as animal handling, anatomy and physiology, grooming, pet first aid, health and disease, clinical practices, veterinary terminology, and safety and sanitation. Students will operate a grooming parlor that is used as a learning model for the handling and caretaking of animals. They will use the tools of the grade, including diagnostic and grooming equipment. Upon successful completion of this program, students may receive college credits pending established procedures.

ANIMATION & VIDEO PRODUCTION (9805/9806) – (TECHNOLOGY ACADEMY)

This program is comprised of two one-year courses designed to prepare students for future education and careers in video production and animation. Our college-level media production facilities include digital video and audio equipment, a green screen studio space, and Macintosh workstations. Students are trained to use industry-standard software, including Adobe Flash, Apple Final Cut Pro, Motion, Cheetah3D, Audacity, Adobe Photoshop and Adobe Illustrator. This program is open to juniors and seniors in both the morning and afternoon sessions. The courses are non-consecutive, so students may take one or both courses, in either order. Students enrolling in the Digital Media program should possess a solid English and Math background (art and media classes are beneficial) and be on track for a Regents Diploma.

AUTO BODY I & II (9260/9261)

Auto Body is for students who want to learn to repair, refinish and paint automobile bodies, fenders and frames. Students will also learn about body trim, hardware, door locks, remote controls and glass window regulators. NATEF, I-CAR and ASE certified. Juniors and Seniors may take this program.

AUTO TECHNOLOGY I & II (9262/9263)

Auto Technology is a two-year course open to all students in their junior or senior year. The program is designed to help prepare the student who wants to enter the mechanics field in a repair shop, service department, at a dealership, a service station or a fleet maintenance facility. This program is NATEF and AYES certified.

BUILDING MAINTENANCE & MANAGEMENT (CONSTRUCTION SYSTEMS) (9290/9291)

The Building Maintenance & Management Program is designed to prepare students to enter directly into the trades or continue their education at a post-secondary level. Students build small projects and also work as a team to build a full-scale project in the career center. Students will also use their skills to work on service projects in the local community.

CERTIFIED PERSONAL TRAINER I & II (9380/9381)

The certified Personal Trainer program is a two year program. This course is designed for the individual seeking competency in health, fitness and exercise instruction. Students will perform fundamental health and fitness assessments and learn to design and implement fitness programs for the healthy population. During the course students are provided with the most relevant scientific information regarding the assessment, design and implementation of safe, effective and efficient personal exercise instruction.

Upon completion of this program, students will be prepared to take the American Council on Exercise Certification Examination (ACE).

COMPUTER TECHNOLOGY (9350) – (TECHNOLOGY ACADEMY)

This program is open to all students in their junior or senior year. Students will learn about all aspects of computer technology, including standard software packages, operating systems and hardware architecture. Upon completion of this program, students are eligible for Skills USA certification, comp TIA A+ certification and Bryant and Stratton College credits.

CONSERVATION I & II (9348/9349)

This program is designed to give students a better understanding of our natural resources and the reasoning for preserving them with activity based learning experiences.

COSMETOLOGY I & II (9360/9361)

This is a two year program where students learn the latest techniques and apply them in our full service salon which is open to the public. After students have successfully completed 1,000 hours of cosmetology they are prepared to apply for licensing through New York State.

CULINARY ARTS I & II (9451/9452)

Students in this program will be exposed to the variety of careers available within the food service and food preparation field. By actual participation, students will become familiar with the workings of a modern kitchen, while preparing foods of various types. This training will prepare them for future employment in both preparation and serving. This program will also qualify students for acceptance at post-secondary schools specializing in training necessary to become master chefs, restaurant managers, owners, or instructors of culinary arts trades. The program is open to all high school juniors and seniors.

DIESEL TECHNOLOGY/HEAVY EQUIPMENT (9378/9379)

Diesel Technology/Heavy Equipment is a two year program open to all high school juniors and seniors. Students who have found an interest in working with machines in the construction, agriculture, trucking and bus industry, lawn and garden industry, small engine automotive, welding, industrial machine maintenance and armed forces should consider this program. Students will be working on trucks (pickups and semis), farm tractors, forklifts, backhoes, bulldozers, lawn mowers and small engines. Students will also work in groups for engine tear down, overhaul and failure analysis.

EARLY CHILDHOOD EDUCATION I & II (9310/9311)

The Early Childhood Education program has several options open to all students in their junior and senior years. Students spend a portion of their time teaching preschool children and gain hands-on experiences working in the on-site preschool program. Students completing this program will gain experience working with children 2 to 5 years of age. The curriculum includes several professional development opportunities such as Disabilities Awareness training; Identification and Reporting of Child Abuse for Mandated Reporters; Adult, Infant & Child CPR and Standard First Aid through American Red Cross; and SAVE (School Against Violence in Education) Certification.

ELECTRICITY/ELECTRONICS I & II (9404/9405)

This is a two-year program which allows students the opportunity to attain entry level job skills and/or prepare for additional in-depth training in the Electricity/Electronics field. Students will study Electronics Technology with many analog and digital projects to build. Residential house wiring and industrial motor control along with training on PLC's are part of the second year. Classes may wire a modular home or work on projects outside of the Career and Tech Ed Center. Students will be given job-seeking skills and assisted in finding jobs near the end of the second year.

EMERGENCY MEDICAL SERVICES (EMS) (9420/9421)

This is a one or a two year program that focuses on the skills required for certification and advancement in the field of Emergency Health Care/Pre-Hospital Care. Each year can be taken as a stand-alone program. Multiple certifications are offered in this program, with the major ones leading to National Safety Council Certified First Responder (CFR) and New York State Emergency Medical Technician - Basic (EMT-B).

FASHION DESIGN/INTERIOR DECORATING (9365/9366)

This is a one or two year program designed to prepare students for education or careers in fashion design and interior decorating. Juniors and seniors who have a creative artistic vision are welcome to enter the program. Students will use state-of-the-art computer software, sewing machines, and equipment related to the fashion and interior design industry.

GRAPHIC COMMUNICATIONS I & II (9474/9475)

This program is divided into two one-year disciplines to prepare students for a career or college. We offer a one year program in Graphic Communications and another in Web Design.

HEALTH OCCUPATIONS TECHNICIAN I & II (9406/9407)

The medical field is in great demand for quality health care providers. The Health Occupations Technician Program addresses this demand in a two year program that focuses on the art and science of providing patient care with real life experience in a variety of health care settings. Emphasis is placed on providing safe, reliable, ethical and respectful patient care. While students are working towards the goal of employment as a health-care provider, they are also able to earn credits in the following courses: Health Occupation Technician (HOT), Technical Math, Technical Communications, Technical Science and Health.

This is a very active program with classroom, lab and clinical components. Each of the components is designed to prepare students to care for diverse individuals of all ages, from birth to the end stages of life. Students will experience all aspects of the healthcare field from illness and injury to rehabilitation. We utilize many different clinical settings for students to gain real life experience. Our students gain first-hand clinical experience in local hospitals, nursing homes, rehabilitation facilities, physical therapy departments, occupational therapy departments, laboratories, pharmacies, operating rooms, pediatric facilities, speech therapy departments, disability agencies and nutritional care.

Upon successful completion of the HOT program students are eligible to take the New York State Nursing Assistant Certification exam and enter into the workforce. In addition, HOT graduates also develop an expanded foundation on which to make informed decisions regarding their future choices in health care employment and potential future education in the health care professions.

HEATING/VENTILATION/AIR CONDITIONING AND REFRIGERATION I & II (9238/9239)

Heating/Ventilation/Air Conditioning and Refrigeration is a two year program designed to provide students with employable skills in the service and installation of residential and commercial heating, air conditioning and refrigeration units. It is a comprehensive technical and hands-on training program that covers all critical aspects of the HVAC/R field. Students will understand refrigeration, cooling systems and heating units. Students will learn to install, maintain, troubleshoot and repair both residential and commercial systems in a fully operational HVAC/R lab. NOCTI certification is available to all students.

PROJECT BASED ENGINEERING I & II (9382/9383) – (PRECISION MACHINE TECHNOLOGY)

Students will be engaged in team based projects while still being responsible for directing their own curriculum concentration, projects and areas of exploration within the engineering sciences. Collaborative teaching strategies and extensive active learning techniques make the learning process an active one. Our program has been recognized as leading edge with over 40 NYS and 11 national champions who have graduated with this program in Automated Manufacturing and Precision Machine Technology.

SECURITY & LAW ENFORCEMENT I & II (9815/9816)

Students interact with many guest speakers from the criminal justice field and visit numerous agencies to learn about this career field. This program will orient the student to the careers associated with Security and Law Enforcement and introduce the student to the criminal justice system (police, courts, corrections).

WEB DEVELOPMENT AND GAME PROGRAMMING (9804/9803) – (TECHNOLOGY ACADEMY)

NCTEC only. This program is geared toward students interested in computer programming, Web technologies and game design. Students in this program will develop skills in coding, interactive design, game theory and development, and mobile app creation using industry-standard programming languages and developmental tools. The program consists of one year of Web Development and one year of Game Programming.

WELDING AND FABRICATION, I & II (9813/9814)

NOCTI and AWS certification available to all students. The Welding Program is designed to develop skills in all areas of welding and metal fabrication, but most specifically those areas where there is the greatest employment potential. Students experience and practice with oxyacetylene, electric arc (SMAW), MIG and TIG welding which enables them to cut and fabricate steel, aluminum and stainless steel. They learn the various processes from setup to final inspection as they work on customer projects.

This program is set up with a structured step-by-step order for moving through the various welding methods and processes. Students will be required to complete practice pieces representing various metal joints and in different positions. Fabrication will take place during the final half of the senior year. Students can expect to be working and involved in the welding process for a majority of their class time.

FREQUENTLY ASKED QUESTIONS

Q: Who is eligible to attend a career and technical education program?

A: Any and all students from Orleans/Niagara BOCES' 13 participating districts may enroll in the programs.

Q: I would like to enroll in one of your career and technical education programs. What should I do?

A: To enroll in a career and technical education program, high school students can talk to their school counselor.

Q: How are these programs different from traditional high school?

A: Hands-on learning is a hallmark of the career and technical school experience. While academics are part of the program, and students learn via traditional lecture, reading and writing projects, the majority of their time is spent actually experiencing their career field.

Q: How long are the programs?

A: Most career and technical school students attend for a half school day, approximately two and a half hours.

Q: I am being homeschooled and would like to attend a career and technical education program. Can I do that?

A: We do accept students that are being homeschooled. Please be aware though that your school district will not pick up tuition if you are not attending there. The student and their family will be responsible for paying it.

Q: What is a Career and Technical Endorsement?

A: Students who successfully complete an approved career and technical education program and successfully complete all requirements earn a technical endorsement seal on their high school diploma.

- Successful completion of a three-part technical assessment (written, demonstration, project components).
- Have 22 credits completed from high school.
- Pass five Regents exams or approved alternatives.
- Completion of work based learning experiences as provided by the approved program.
- Completion of a work-skills employability profile.

INDEPENDENT STUDY

A student who desires to pursue either a course within our Program of Studies which does not fit the student's schedule, a course that may not be offered in the school's regular curriculum, or a particular topic in depth, should seek out a sponsor teacher. Once the feasibility of a request to do an Independent Study is established, a proposal is written describing the project, including consultation times with the teacher, and the facilities and materials to be used. When a student signs a contract, he/she assumes responsibility for his/her own learning. Credit may be granted upon successful completion of the project as determined by the sponsoring teacher. Independent Study projects are subject to approval of the parent, the guidance counselor, and the Principal, as well as the sponsoring teacher.

Application forms are available in the Guidance Office.

LANCER LEARNING CENTER

The Lancer Learning Center exists to provide students with support during the school day with academics and skills. Open all 9 periods, it is staffed by teachers, teachers in training and peer tutors. Services offered include credit recovery (via Apex), homework help, test preparation, and review and reinforcement of content. Students can be assigned to the LLC or drop in for extra help as needed. Parents and teachers may refer students throughout the school year.

LIBRARY MEDIA CENTER

GENERAL INFORMATION: The Library Media Center is on the second floor of the high school. All students, faculty, and staff are encouraged to utilize the library's resources and services. The library is a place for students to conduct research, check out a book, study quietly, read, or use a computer for school-related assignments. As a member of the Orleans-Niagara School Library System, inter-library loan is available for materials. The library hours are Monday - Thursday from 7:40 AM – 3:10 PM and Friday from 7:40 AM – 2:40 PM.

RESOURCES: The library has a variety of print and electronic resources. The library catalog is available by clicking on the "OPAC" link on the library's website or directly at <http://library.lew-port.com/common/welcome.jsp?site=103>. The library provides access to several databases and e-books for students to conduct research. These resources are available under "databases and e-books" on the "Library" link of the High School's website. The databases are accessible from home as well; there is a link for remote passwords at the top of the database page on the library's website.

INSTRUCTION: All ninth-grade students receive library orientation in September. In addition, the Library Media Specialist collaborates with the teachers to design projects and schedule classes in the library for instruction throughout the year. Students can ask the Library Media Specialist for individual help with research projects during their study halls or after school.

ACCEPTABLE USE POLICY: All 9th graders and any students new to the district must complete an Acceptable Use Policy. This form must be signed by both the student and a parent/guardian before a student can use school computers. All completed forms should be returned to the library.

SPECIAL EDUCATION SERVICES

CONSULTANT TEACHER SERVICES PROGRAM

The Consultant Teacher Services Program provides assistance to students in grades 9 through 12. Special Education teachers service students who have been identified by the Committee on Special Education (CSE) as needing specialized support. This support can take the form of either assistance provided directly in their academic classes, in Study Skills Lab, or in both. The goal is for each student to successfully complete both academic coursework and required Regents Examinations, resulting in graduation with a Regents Diploma.

Many students receive academic support by being scheduled into a grade-level Study Skills Lab. Study skills and test-taking skills are also emphasized in this class. Each student's academic progress is reviewed yearly and services are revised as needed by the CSE.

LIFE SKILLS SELF-CONTAINED CLASSROOM

The Life Skills Program offers a curriculum that allows students to gain valuable skills needed to work towards achievement of a Skills and Achievement Commencement Credential (SAAC) or receive a Career Development and Occupational Studies (CDOS) credential before exiting high school. Students receive instruction that includes functional academics, community and work-based learning and they also have the option of participating in BOCES Vocationally Individual Paced programs (VIP) at the Career and Technical Center.

INDEPENDENT STUDY COURSE IN SPECIAL EDUCATION

Students taking this course are assigned to a peer in the high school with developmental disabilities. "Peer Buddies" will assist students in the classroom with functional tasks such as cooking or academic tasks in the classroom setting. Peer buddies may also be working alongside the student with special needs on school assigned jobs throughout the building. Building job sites may include the cafeteria, main office, or library. Peers may also occasionally join their buddy on a community work experience when prior approval is arranged and permission forms are completed.

Students who are interested in careers in education or health related fields would benefit from this experience, and their high school transcript will denote this independent study credit for prospective colleges. Students will gain an understanding of students with exceptionalities through interactions with students and assigned written projects and research on individuals with developmental disabilities.

Course credit is available as follows:

- 1 credit for daily full year involvement
- ½ credit for every other day full year involvement
- ½ credit for every day involvement for one semester

AFTER SCHOOL ASSISTANCE PROGRAM

The After School Assistance Program (ASAP) is a service available to the students of Lewiston-Porter High School from 3:10 pm until 3:45 pm. The purpose of this program is to provide extra support for students who are experiencing difficulty in their coursework.