PHCS
Course
Descriptions
&
Diploma Pathways

Majors and Diploma Worksheet

This Majors and Diploma Worksheet guide can also be printed with the following link:
https://drive.google.com/file/d/1Ji0oRWfDhgEZHBvfIOlpfwPoFl4wNMv2/view?usp=sharing

PHCS Diploma Worksheet

Class of _____

Name:_____ **Dates:**_____

OR

___REGENTS OR ___LOCAL DIPLOMA (for CSE/504 only)
___ w/HONORS (90 Regents average) ____w/Tech Endorsement (from Seaway Tech)

Test Requirements (65 or higher): *Notes:*

■ __	ELA CC Regents	_____
■ __	Algebra CC Regents	_____
■ __	Global Studies Regents	_____
■ __	US History Regents	_____
■ __	Any Science Regents	_____
■ __	2nd language: Proficiency *	_____
	(**OR** 1 High School credit*) *Write EXEMPT if CSE exempted*	

NYS Course Requirements

■■■■	**4** credits **English**	_____
■■■■	**4** credits **Social Studies**	_____
■■■	**3** credits **Math**	_____
■■■	**3** credits **Science**	_____
■	**.5** credits **Health**	_____
■■■■	**2** credits **PE (.25/semester)**	_____
■■■■	**1** credit **Art** and/or **Music**	_____
■	1 credit **2nd Language***	_____

■■ One **5** unit ***OR*** ■■ Two **3** unit **MAJORS**

- ■ **Math** requires Integrated Algebra, Geometry & Trig Regents Exams
- ■ **Science** Requires 2 Science Regents Exams plus one other science
- ■ **Spanish** requires 3 units and Spanish Regents Equiv. F:LAC Exam
- ■ **CTE** requires **CFM *and*** 4 ½ units at Seaway Tech
- ■ **ART** requires (Studio Art I Studio II & Art History)
- ■ **MUSIC:** Music Foundations courses & Knowledge electives
- ■ **Technology :**requires CFM, foundation and systems
- ■ **Wilderness Studies** requires Intro/ WS I and II & III with 5 day trip

* 1 unit in 2nd Language may be earned by passing a Proficiency Exam or by passing a high school course. *Write EXEMPT if CSE language exempted*

*** Students acquiring 5 Art/Music//Fine Art Tech or Career and Tech Ed credits may be exempted from the 3 unit requirements in 2nd Language. However, those students must still have 1 credit in 2nd Language*.*

___ADVANCED DESIGNATION REGENTS DIPLOMA
___ w/HONORS (90 Regents average) ___ w/Tech Endorsement (from Seaway Tech)
___**MASTERY**: 85% on 3 Math Regents __ 85% on 3 Science Regents__

Test Requirements (65 or higher): *Notes:*

■ __	ELA CC Regents	_____
■ __ ■ __ ■ __	Algebra, Geometry & Alg2	_____
■ __	Global Studies Regents	_____
■ __	US History Regents	_____
■ __ ■ __	Any 2 Science Regents	_____
■ __	Spanish 3 Final** *or* ***5 credit*** *option*	_____

**** Final given after 3 years of LOTE credit**

NYS Course Requirements

■■■■	**4** credits **English**	_____
■■■■	**4** credits **Social Studies**	_____
■■■	**3** credits **Math**	_____
■■■	**3** credits **Science**	_____
■	**.5** credits **Health**	_____
■■■■	**2** credits **Physical Education**	_____
■■■■	**1** credit **Art** and/or **Music**	_____
■	**2nd language***	_____

AND:

■■■	**3** credits **2nd Language****	_____
	OR	
■■■■■	**5** credits **Career &Tech****	_____
	OR	
■■■■	**4 more** credits **Art** and/or **Music**	_____

PSAT Scores: Math: __(20-80) Critical Reading __(00-80) **Writing**: ___(00-8
SATScores:**Math:**_____(200-800)CR____(200-800)**Writing**:___**Subject**:___ ___
ACT Scores: Composite: :_____

■ 24 credits needed: ____ credits completed by __ semester

Passing for classes is 70. Passing for Regents Exams is 65

Local Passing for Regents Exams is 55 with CSE / 504 permission. Classes still must be passed with 70.

ADVANCED Diploma Major Sequences

Algebra CC, Geometry CC and Algebra 2 CC and any 2 Science Regents Exams must also be passed with a 65 or above to obtain the Advanced Designation Regents Diploma along with one of the following sequences.

Exceptions and exemptions will be made for Regent Exams that students would normally have taken in June 2020, January 2021 and June 2021..

SPANISH - A three unit sequence in Spanish (or another foreign language) allows students to receive an Advanced Regents Diploma. Required Courses:

- Spanish I
- Spanish II
- Spanish III and a passing grade on the FLAC Exam

A 5 unit sequence in Visual Arts, Music, CTE or Technology may replace the 3 units of Foreign Language requirement

TECHNOLOGY - a three or five unit of credit sequences - five unit required for Advance Regents alternative

- Required foundation courses (select the appropriate number of half credit electives): Including courses such as Woods, Metals, Small Engine Repair, HS Technology, and Farside Builders (W.S. II)
- Required systems courses (select the appropriate number of half credit electives): Including courses such as Transportation Systems, AUTOCAD, Construction Systems, Manufacturing Systems, and Principles of Engineering

VISUAL ARTS - a three or five unit of credit sequences - five unit required for Advance Regents alternative

- Required - One credit in Studio Art (I & II) and one class in Art History
- Select the appropriate half credit units electives: Including courses such as Ceramics, Stage Production, Design for Production, Architectural Drawing, AUTOCAD, Drawing I or II, Painting I or II Graphic Arts, Digital Media, Yearbook, Color Design, and Printmaking

- A three unit Visual Arts major must include:
  - One unit of Studio Art (both Studio Art I & II)
  - Art History
  - Visual Arts electives equaling three units

- A five unit Visual Arts major must include:
  - One unit of Studio Art (both Studio Art I & II)
  - Art History
  - Visual Arts electives equaling five units

ADVANCED Diploma Major Sequences at PHCS (Con't)

MUSIC - a three or five unit of credit sequences - five unit required for Advance Regents alternative

- Required musical knowledge (select the appropriate number of half credit electives): Including courses such as Technology in Music, Music Theory, Foundations in Music, Song Writing, etc
- Required musical skill development (select the appropriate number of half credit electives): Including courses such as Vocal, Instrumental, Keyboard and Performing Organizations (musicals, bands, chorus)

- A three unit Music major must include:
  - One or Two unit of Musical Knowledge
  - One or Two units of Skill Development

- A five unit Music major must include:
  - Two or three units Musical Knowledge
  - Two or Three units Skill Development

FINE ARTS - a three or five unit of credit sequences - five unit required for Advanced Regents alternative

- Required - One unit of credit in Studio Art (Studio Art I & II) and a class in Art History
- Required - One unit of credit in Musical Knowledge (select the appropriate number of half credit electives): Including courses such as Technology in Music, Music Theory, Song Writing, etc.
- Required - Visual Arts electives (select the appropriate number of half credit electives) Including courses such as Ceramics, Stage Production, Design for Production, Architectural Drawing, AUTOCAD, Drawing I/ II, Painting I/ II Graphic Arts, Digital Media, Yearbook, Color Design, and Printmaking
- Required - Musical Skill Development (select the appropriate number of half credit electives) Including courses such asVocal, Instrumental, and Keyboard and Major Performing Organizations (musicals, orchestras, bands, chorus)

- A three unit Fine Arts major must include:
  - One unit Musical Knowledge
  - One unit Studio Art
  - One class Art History
  - One unit Music Skill Development or Visual Arts

- A five unit Fine Arts major must include:
  - One unit Musical Knowledge
  - One unit Studio Art
  - One class Art History
  - Three units Music Skill Development or Visual Arts

A Sample High School Layout by Grade Level

Subject	9th	10th	11th	12th
English	English 9	English 10	English 11 (R)	English 12 OR Honors English 12
Social Studies	Global I	Global II (R)	US History (R) OR College U.S, History (6c)	Economics and Participation in Government (SS 12)
Math	Common Core Algebra I (R) OR 9: Common Core Algebra (2 yr) OR Common Core Geometry (R)	Common Core Geometry (R) OR Geometry OR 10: Common Core Algebra OR Common Core Algebra 2 (R)	Common Core Algebra 2 (R) OR Seaway Tech Applied Math and Math & Finance OR Statistics	Pre-Calc and Calculus and/OR Honors Statistics
Science	Earth Science (R) OR Living Environment (R)	Earth Science (R) OR Chemistry and/OR General Science	Chemistry I (R) and/OR General Science, Wilderness Studies I	Physics (R) and/OR General Science and/OR W.S.I or III
Spanish	One Credit is required for graduation.	Spanish II or Spanish III (R) if pursuing Spanish Adv. Regents option	Spanish IV College Spanish	College Spanish
Art and/or Music	One Credit is required for graduation.	3 or 5 credits are Required for major	Certain courses are required for major sequences	5 credits are required for Spanish alternative for Advanced Diploma
Physical Education	½ credit required per year	½ credit required per year	½ credit required per year	½ credit required per year
Health	½ credit required in 7th, 8th, or 9th grade.	½ credit required to graduate	½ credit required if not taken in 10th grade	½ credit required if not taken previously
CTE:Seaway Career and Technical Education			Students who have passed Global I and II and English 9 and 10 are eligible to go to Seaway	Seniors may request to attend a one year program: Allied Health, and Agriculture
Electives	Electives as desired to obtain 24 credits	Electives as desired to obtain 24 credits	Electives as desired to obtain 24 credits	Electives as desired to obtain 24 credits

Applied Communication

Applied Communications is a Senior Required Course. There are two sections, one designed for those applying to 2-4 year colleges and one for students planning on trade schools or going directly to work. Both will cover basics of college applications, a personal essay, financial aid assistance and how to apply for scholarships. Other topics covered include how to research colleges, trade schools, apprentice programs, career exploration, and many other topics.

ART DEPARTMENT

Courses are taught on a rotational basis and availability depends on grade level and prerequisites. Students may earn a 3 or 5 unit major in Visual Arts, by completing a credit of Studio Art and an Art History course along with other course electives. *Students selecting a **Visual Arts Major Sequence to obtain an Advanced Designation Diploma will need 5 full credits of Art.** Students desiring a **Fine Arts major sequence to obtain an Advanced Designation Regents Diploma will need to complete the 5 required credits in an approved combination of Music and Art.***

MIDDLE SCHOOL ART

Length of Study: 2 years **Grade Level:** 7 & 8 (a required portion of NYS Middle School Programs.)

HIGH SCHOOL ELECTIVES

STUDIO ART I (required for major)

Credits: .5 **Grade Level:** 9 **Prerequisite:** *This course is a prerequisite for all other art classes*

The purpose of this class is to provide the student with a basic foundation in art through a series of exploratory experiences in drawing, painting, basic design, sculpture, printmaking, art criticism, and art historical survey. Course work will focus on art appreciation and visually communicating using the elements of art and principles of design. This course is the foundation course and is a prerequisite for most other art electives.

STUDIO ART II (required for major)

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I

The purpose of this class is to provide the student with a basic foundation in art through a series of exploratory experiences in drawing, painting, basic design, sculpture, printmaking, art criticism, and art historical survey. Course work will focus on art appreciation and visually communicating using the elements of art and principles of design.

PORTFOLIO I

Credits: .5 **Grade Level:** 11-12 **Prerequisite:** Studio Art I, Studio Art II

This course is designed for students who are interested in creating art with both two and three dimensional techniques. All projects will be created with the goal of the student leaving the class with a well-rounded, high-quality physical and digital portfolio. Although this course will focus on creating art through multiple techniques, it will also require students to combine conceptual thinking (telling a story), critical thinking (verbal/visual vocabulary) and creative thinking (problem-solving) when developing their portfolio.

PORTFOLIO II

Credits: .5 **Grade Level:** 11-12 **Prerequisite:** Studio Art I, Studio Art II, Portfolio I

This course is designed for students who are interested in further developing their advanced portfolio. All projects will be created with the goal of the student leaving the class with a well-rounded, high-quality physical and digital portfolio. If you are interested in applying for collegiate art programs, this class will assist you in meeting those requirements.

ART HISTORY (required for major)

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I

In this course students will be participating in an art historical survey starting with Ancient Civilizations and extending through the twenty first century. Students will be exposed to major artworks, artists, art movements, and the significance of art throughout time. The course surveys through slides, lectures, class discussions, oral reports, research, exams, field trips and related activities.

ARCHITECTURAL DRAWING

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I and DDP

During Architectural Drawing, students will look at architecture through the ages, development in both style and materials, basic blueprint design, the fundamental components to designing and building a residential home and a working vocabulary of the trade.

CREATIVE CRAFTS

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** Studio Art I

During this course students will be focusing on the Arts and Crafts movement and functional art. Students will be exploring many different areas of craft including: jewelry, textile, ceramics, papermaking/bookmaking, and soap making as well as exploring local folk art.

COLOR THEORY & DESIGN

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** Studio Art I

This course consists of an in depth exploration of color. The element of color is discussed and analyzed through a series of art studio projects.

DRAWING I & II

Credits: .5 each **Grade Level:** 9-12 **Prerequisite:** Studio Art I (must take Drawing I before Drawing II)

During this course students will explore the techniques of oil painting, acrylic painting, and watercolor painting through various projects such as still-life and nature studies to inventive and abstract painting.

GRAPHIC ARTS

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I

A studio course in the study of design development relating to graphic design terminology, tools and media, and layout and design concepts. Projects include posters, logos, books, and t-shirts.

PAINTING I & II

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I (must take Painting I before Painting II)

During this course students will explore the techniques of oil painting, acrylic painting, and watercolor painting through various projects such as still-life and nature studies to inventive and abstract painting.

PHOTOGRAPHY

Credits: .5 **Grade Level:** 11-12 **Prerequisite:** Studio Art I

During this course students will learn how to make an effective composition using a 35mm camera and exploring the wet lab photo process while developing their photographic vocabulary.

CERAMICS

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I

During this course students will discover the various methods of hand construction and wheel throwing techniques. Students will explore projects that are both functional and/or sculptural. We will look at examples of form from the ancient civilizations to present day.Students will explore sculpture and sculptural techniques as well as historical and cultural influences. Students will look at contemporary sculpture and the visual language to create work that has personal meanings/statements.

PRINTMAKING

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** Studio Art I

During this course students will be exploring the various different printmaking processes such as Monoprints, Lithographs, Linoleum Block prints, Collographs, Intaglio, Woodblock prints, and Silkscreen prints. We will look at examples from the past and present day printmaking work and build the vocabulary for the art of printmaking.

YEARBOOK

Credits: 1 **Grade Level:** 9-12 **Prerequisite:** None

During this course students will be required to use basic computer skills in creating effective page layouts. Throughout the semester students will take an active role in all aspects of production including sales, fundraising, photography, design, and collection of all materials needed to create the yearbook.

Career & Technical Education – CTE

- go to the following link for descriptions:

(https://www.sllboces.org/apps/pages/index.jsp?uREC_ID=1574694&type=d&pREC_ID=1738039)

Seaway Career and Technical Education Center

Located just outside the Village of Norwood, the Seaway Career and Technical Education Center serves seven component school districts. The nearly 500 students who attend Seaway Tech, choose a course of study from one of 11 two-year CTE programs, the one-year Allied Health program, or the Alternative Education Program. Many students who complete a program at Seaway Tech earn industry-recognized certification such as EPA Certification (HVAC/R), ProStart and ServeSafe Certification (Culinary Arts), and New York State DOT Bridge Certification (Metalworking).

Programs offered include the following programs:

- Allied Health (One year program)
- Automotive Technologies
- Building Trades
- Cosmetology
- Criminal Justice
- Culinary Arts
- Education and Human Services
- Health Careers
- HVAC/R
- Metalworking
- Multi Occupations
- Natural Resource Management
- Software Development and Business Design

Agricultural Studies

Agricultural Studies Academy (ASA) operates in partnership with the Cornell Cooperative Extension. Senior students have the opportunity to attend the full day Agricultural Studies Academy with a comprehensive introduction to agricultural science and business management while completing senior high school requirements. Senior students may also choose the half day senior option; Agricultural Studies II. Juniors will have the opportunity to attend the Agricultural Studies I program for a half day.

College Courses

Research indicates that a student who starts college coursework while still in high school is more likely to graduate from high school, continue to college, and complete college. Completing any college courses but most importantly a full college degree, whether two-year or four-year, results in earning more money over your lifetime. Parishville-Hopkinton Central School Board is actively promoting college courses to be available to you while you are still in high school, and is partnering with Potsdam State and North Country Community College to provide juniors and seniors the opportunity to take college courses that also meet the NYS Regents' high school graduation requirements. NCCC calls this the *College Bridge program* and SUNY Potsdam:*CIH (College in High School)* courses.

We encourage PHCS Juniors and Seniors to see if they are eligible to enroll in one or more of these college classes. As members of the SUNY system, many of NCCC and Potsdam's courses seamlessly transfer to other SUNY schools. CIH / College Bridge courses are offered at PHCS during the regular day. Your high school instructor and curriculum have been approved to be taught for college credit. These courses start you off earning college credits early and save you money.

Courses from SUNY Potsdam cost $125.00 each, (or it is only $75.00 if you are eligible for free/reduced lunch, if so please fill out a school lunch form if you haven't yet done so). The remainder cost of all SUNY Potsdam college courses costs are given as a scholarship by the college! NCCC has also included scholarships for everyone taking the Bridge classes, so the price is even lower: courses through NCCC will cost PHCS students only $60 per 3 credit hours! **Normally courses at NCCC or Potsdam State cost around $900 each.**

NCCC Courses that *may* be available include:

Department	Name	Credits	Cost
HIST 151,152	History 151 &152: American History 11* (not offered in 20-21)	6 credits	$120.00
MAT 132	Pre-Calculus	3 credits	$60.00
MAT 240	Calculus	3 credits	$60.00
MAT 121	HONORS Statistics	3 credits	$125.00 or $75.00*
HIS 121	ADK History (not offered in 20-21)	3 credits	$60.00
SPA 102	Spanish 102 (Spanish IV A)	3 credits	$60.00
SPA 201	Spanish 201 (Spanish IV B)	3 credits	$60.00

***American History 11 is required for graduation. One section will be taught to those eligible & requesting college credit in addition to HS credit.** (not offered in 20-21)

SUNY Potsdam Courses that may be available include:

Department	Name	Credits	Cost *if free or reduced lunch
Biology 111	Wilderness Studies I	3 credits	$125.00 or $75.00*
Health 195	Wilderness Studies III	3 credits	$125.00 or $75.00*
LITR 100/COMP 101	Introduction to Literature and Writing & Critical Thinking: HONORS Englush 12**	7 credits	$250.00 or $150.00*
COMM 106	Basic Principles of Speech (not offered in 20-21)	3 credits	$125.00 or $75.00*

**** English 12 is required for graduation. One section will be taught as Honors English 12 to those eligible & requesting dual credit**

COMPUTERS AND CFM

HIGH SCHOOL COMPUTERS

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

This a Beginning to Advanced level course on Computers in the Modern World. The course is taught at a level that works for all students who sign up. It builds on the Computer Applications knowledge students have gained by taking computers in the past - from Kindergarten up through 8th grade. A substantial amount of Drag and Drop Programming, Presentations, Spreadsheets and Word Processing. Personal Computer content includes slideshows, attachments, email, and the possibility to be G Suite Certified.

DIGITAL MEDIA

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

Digital Media is designed to educate students on the ever-changing digital world. The curriculum covers a wide range of areas, such as, graphic design, animation, and web design. It may be offered as part of Yearbook.

CAREER AND FINANCIAL MANAGEMENT (C&FM)

Credits: .5 **Grade Level:** 10 **Prerequisite:** None

This class will cover concepts that are needed for students to help them be successful in the working world. This class begins with career exploration and progresses through higher education and training to saving for retirement and managing expenses you will likely come across when living on your own . The ASVAB battery will be given. The “Student” ASVAB is a great career assessment tool that can help you identify which career areas best suit you. Because this is an aptitude test it doesn't just tell you what you are currently good at, it will also tell you what you may be good at learning. A thorough interest survey will also be given and career responses will be discussed afterwards. This course is given to all 10th graders attending PHCS!

ENGLISH

Four English classes are required for graduation:
English 9, 10, 11 and 12
However, one section of English 12 is an elective at the Honors level.

Other possible English options are also listed below:

Basic Principles of Speech.
Credits: 1 **Grade Level:** 11th and 12 **Prerequisite:**
This is a general education course for public speaking. Students will learn about what it takes to speak well in public. Students will watch speeches and analyze how effective the speaker is. Students will be required to complete several speeches of their own writing throughout the year. Students will receive 3 college credits for successful completion. This does not replace ELA 11 for 11th graders. There is no guarantee that this course will be able to be offered, but we are asking that you sign up if you are interested so we can gauge responses to this possible offering

HONORS ENGLISH 12 (Also possible to earn dual credit (7 college credits) as SUNY LITR100 and COMP101.
Credits: 1 **Grade Level:** 12 **Prerequisite**: a 90 or higher English 11 GPA, or a 90 or higher on the English Regents Examination.

It also requires a written essay on a topic of the teacher's choice (given at the end of 11th grade). Exceptions can be made at the discretion of the teacher(s). Honors English 12 engages students in careful reading and critical analysis of imaginative literature. Through close readings of selected texts, students deepen their understanding of the ways that writers use language to provide both meaning and pleasure to the reader. Students become adept at identifying and analyzing varied literary techniques as these techniques contribute to the purpose and meaning of a selection. This course will also feature frequent opportunities for students to strengthen their writing skills by being able to read and write both formal essays and creative writing pieces. In addition, students will dive into the world of research writing. Students will receive instruction and feedback on their writing before and after they revise their work, as part of the writing process.
This class includes: SUNY Introduction to Literature and Writing & Critical Thinking… This is a combined curriculum of LITR100 and COMP101. Students will read literature of various cultures, time periods, and literary movements. Students will explore novels, short fiction, nonfiction, poetry, and drama. Students will write a number of extended essays in response to literature. Students will also conduct research and write an extended research paper. **Students who enroll via SUNY Potsdam's CIH program will receive 7 college credits for successful completion.**

EXTRA CURRICULAR SPORTS AND CLUBS

THIS LIST MAY BE ADJUSTED YEARLY.

INTERSCHOLASTIC SPORTS

Sports may not be offered at Modified, Junior Varsity and Varsity level every year. Mergers may not occur every year, but request may be made to the Athletic Director.

- Boys/Girls Soccer
- Boys/Girls Basketball
- Boys Baseball
- Girls Softball
- Indoor Track - Norwood-Norfolk Merger
- Spring Track - Norwood-Norfolk Merger
- Football - St. Lawrence Center Merger
- Hockey - St. Lawrence Center Merger
- Golf - Potsdam Merger
- Boys LaCrosse - Colton-Pierrepont Merger
- Girls Lacrosse - Potsdam Merger

CLUBS

SPEECH AND DEBATE

The speech club is designed to provide opportunities for students to develop effective communication skills. The purpose of the club is to blend graphic and oral skills to communicate more efficiently in social settings, careers, and business-based environments. Students will present presentations of their choosing, which is designed to enhance the effectiveness of one's' oral delivery.. This club meets on a "as needed" basis, 10th period with competitions held on select Saturdays. Please ask Mr. McCormick for more information.

PHCS FOLLIES

The Follies Club works with Mrs. Ellison to support and prepare for the annual Musical Production, the Cabaret and other Musical events.

STAGE CREW

Credits: .25

Students in Stage crew work behind the scenes to assist at the annual musical productions. Please ask Ms. Blevins for more information.

Varsity Club - The PHCS Athletic Club - Please contact Mr. Engstrom for more information.

OTHER CLUBS MAY ALSO BE AVAILABLE

HEALTH / EXTREME / PHYSICAL FITNESS

Health is required twice, once in middle school and once in high school.
Physical Education (PE) is required every semester of middle school and high school.
If there is enough interest, Extreme Fitness courses may be offered as an alternative or in addition to the required PE classes.

EXTREME TRAINING AND CONDITIONING / PHYSICAL FITNESS

Credits: .25 **Grade Level:** 9-12 **Prerequisite:** Must have teacher approval
Students will learn and engage in different fitness and conditioning activities, such as P90x, Insanity, CrossFit, etc. The focus will be on individual goals and training, rather than team sports. Students will develop a deeper insight into the health and scientific sides of training. Students will increase their speed, agility, strength and conditioning through sport specific exercises, which will improve athletic performance. Students will be exposed to off campus activities such as strength and conditioning at local colleges, guest speakers and explore careers in the field of fitness. This will take the place of the regular PE class if there is enough interest to offer the class. .

HEALTH

MIDDLE SCHOOL HEALTH

Credit: .5 **Grade Level:** 7 **Prerequisite:** None
This course includes information regarding physical fitness; nutrition; gender; family health; violence prevention; information regarding injury prevention and care; alcohol, tobacco and other drugs, etc. This course helps you make healthier choices.

HIGH SCHOOL HEALTH

Credit: .5 **Grade Level:** 9-12 (usually taken in 10th) **Prerequisite:** None
This course includes information regarding physical fitness; nutrition; sexual health; family health; violence prevention; information regarding injury prevention and care; alcohol, tobacco and other drugs. This course not only prepares you for college and your future career but helps you make healthier choices throughout life.

HONORS CLASSES

These are not required classes. Teacher approval is needed.

HONORS ENGLISH 12 (Also possible to earn dual credit (7 college credits) as SUNY LITR100 and COMP101.

HONORS ENGLISH 12 (College Credit: LITR100 & COMP101 Available)

Credits: 1 **Grade Level:** 12 **Prerequisite:** 90 or higher as an English 11 GPA, or an 90 or higher on the English Regents Examination.

It also requires a written essay on a topic of the teacher's choice (given at the end of 11th grade). Exceptions can be made at the discretion of the teacher(s).

Students will explore literature from several literary periods and schools and understand how culture impacts the creation of art. Students will gain an understanding of how authors make meaning by using a variety of writing strategies and literary techniques. Students will write argument essays, expository essays, and research papers. Students will hone their writing skills with intensive writing instruction. Students will daily participate in academic discussion about works of literature and the writing process.

The college-level LITR/COMP course is a combination literature course and writing course through SUNY Potsdam. A possible 7 credits (3 for LITR100 and 4 for COMP101) can be earned. Because of the potential earned college credits, this course is rigorous.

This class includes: SUNY Introduction to Literature and Writing & Critical Thinking… This is a combined curriculum of LITR100 and COMP101. Students will read literature of various cultures, time periods, and literary movements. Students will explore novels, short fiction, nonfiction, poetry, and drama. Students will write a number of extended essays in response to literature. Students will also conduct research and write an extended research paper. **Students who enroll via SUNY Potsdam's CIH program will receive 7 college credits for successful completion.**

HONORS STATISTICS (COLLEGE CREDIT AVAILABLE)

Credit: 1 **Grade Level:** 12 **Prerequisite:** None

We live in an information society; raw data, graphs, charts, rates, percentages, probabilities, averages, forecasts, and trend lines are an inescapable part of our everyday lives. It is hard to pick up a newspaper without finding an article in which a recent study makes a claim about the effect of a food product on people's' health. Studies in which people who ate oatmeal had lower cholesterol than those who did not might suggest that those with high cholesterol would be wise to eat oatmeal. In Statistics, we learn to examine the details of studies. We might question if oatmeal can really lower cholesterol or did the subjects just eat oatmeal instead of their normal breakfast of two fried eggs? Perhaps eating cornflakes would have had the same effect. Many companies use statistics. Business decisions are made based on market research. Advertising executives want to know whether a new ad campaign significantly increases sales. Doctors must know the reliability of medicine and treatments. Politicians rely on data from polls and public opinion. Courts inquire about statistical significance in hearing class action discrimination cases. Any company that expects to obtain a government contract must have strong evidence of a statistical quality control program. Statistical literacy is important as we are all consumers of goods and services and need to make intelligent choices. Statistics provides the opportunity for students to learn how to make good decisions with data.

MATHEMATICS

Three math credits are required for graduation, including one Regents course
Three Regents courses are required for an Advanced Designation Regents Diploma
Three Regents Exams (85+ on all) are required for Mastery in Mathematics

ALGEBRA COMMON CORE

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

May be taken as a one year course, culminating in the Algebra CC Regents. Students needing more time to process the algebraic topics may take 9:Algebra and 10:Algebra, with the Algebra CC Regents taken at the end of 10: Algebra, making 2 credits. Parents, students and teacher input will determine which Algebra class is selected.
All students must take and pass the Algebra Common Core Class/Regents to gain an NYS School, Regents, or Advanced Regents Diploma

GEOMETRY - NON REGENTS

Credit: 1 **Grade Level:** 10 **Prerequisite:** None

This course involves topics such as mathematical systems, parallel lines and transversals, properties of triangles, properties of quadrilaterals, circles and their equations, coordinate geometry, and basic trigonometry.

GEOMETRY COMMON CORE

Credit: 1 **Grade Level:** 10 **Prerequisite:** Algebra I: 80 or above on Algebra CC regents recommended

The second course in mathematics for high school students. There is no other school mathematics course that offers students the opportunity to act as mathematicians. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating algebraic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences. **Students will sit for a NYS Regents Examination at the end of this course. This course is required for the Advanced Designation Regents Diploma.**

Algebra 2 Common Core

Credit: 1 **Grade Level:** 11 **Prerequisite:**

This is the capstone course of the three units of credit required for an Advanced Regents diploma. This course is a continuation and extension of the two courses that preceded it. While developing the algebraic techniques that will be required of those students that continue their study of mathematics, this course is also intended to continue developing alternative solution strategies and algorithms. For example, technology can provide to many students the means to address a problem situation which they might not otherwise have been able to solve. **Students will sit for a NYS Regents Examination at the end of this course. This course is required for the Advanced Designation Regents Diploma.**

SUNY: HONORS STATISTICS (COLLEGE CREDIT AVAILABLE)

Credit: 1 **Grade Level:** 12 **Prerequisite: Previous or concurrent enrollment in Algebra 2**

We live in an information society; raw data, graphs, charts, rates, percentages, probabilities, averages, forecasts, and trend lines are an inescapable part of our everyday lives. It is hard to pick up a newspaper without finding an article in which a recent study makes a claim about the effect of a food product on people's' health. Studies in which people who ate oatmeal had lower cholesterol than those who did not might suggest that those with high cholesterol would be wise to eat oatmeal. In Statistics, we learn to examine the details of studies. We might question if oatmeal can really lower cholesterol or did the subjects just eat oatmeal instead of their normal breakfast of two fried eggs? Perhaps eating cornflakes would have had the same effect. Many companies use statistics. Business decisions are made based on market research. Advertising executives want to know whether a new ad campaign significantly increases sales. Doctors must know the reliability of medicine and treatments. Politicians rely on data from polls and public opinion. Courts inquire about statistical significance in hearing class action discrimination cases. Any company that expects to obtain a government contract must have strong evidence of a statistical quality control program. Statistical literacy is important as we are all consumers of goods and services and need to make intelligent choices. Statistics provides the opportunity for students to learn how to make good decisions with data

MATHEMATICS

SUNY: PRE-CALCULUS (COLLEGE CREDIT AVAILABLE)

Credit: 1 **Grade Level:** 11/12 **Prerequisite: Algebra 2**

The pre-calculus course consists of one academic year of work in advanced mathematics – The course is intended for superior mathematics students who have completed three years of Regents level courses designed for college-bound students. Graphing calculator technology will be emphasized to enhance and support the mathematics in all units of study. Students must be able to use a variety of techniques to solve problems: graphical, numerical, algebraic/analytic, and verbal. Students are to develop an appreciation of all these methods of representation, understand how they are connected in a given problem, and learn how to choose the most appropriate method(s) to solve a problem. Students will also study the branch of mathematics that deal with rates of change in continuous and varying quantities. The class will include exercises in the graphical, numerical, analytical and verbal representation of functions; derivative rate of change and the use of derivatives to solve a variety of problems; and derivative and definite integrals as expressed in both parts of the Fundamental Theorem of Calculus. Students will communicate mathematical solutions both orally and with the written word; use technology to help solve problems, interpret results, and verify conclusions; and determine the reasonableness of solutions.

SUNY: CALCULUS (COLLEGE CREDIT AVAILABLE)

Credit: 1 **Grade Level:** 12 **Prerequisite:** PreCalculus

Calculus will continue the Pre-Calc work described above. It will cover topics such as Linear Equations and Analytic Geometry, Properties of Functions , Graphs of Functions, Exponential and Logarithmic Functions, Trigonometric & Inverse Trigonometric Functions, Polar Coordinates, Complex Numbers, and Polar Graphs, Conic Sections, Solving Systems of Equations, Solving Systems of Equations, Limits and Derivatives and Their Applications.

For students who have not taken any math beyond Algebra I or Geometry

COLLEGE PREP ALGEBRA

Credit: .5 **Grade Level:** 12 **Prerequisite:** Algebra

This course is mostly intermediate algebra for prospective college students, who have not had math for a few years - it is a review of most past algebra, involving topics such as factoring, algebraic fractions, solving quadratic equations, solving linear systems of equations... this is a continuation of integrated algebra but more concentrated on topics that were a struggle in integrated algebra. Work is done collaboratively.

MUSIC DEPARTMENT

A local major sequence in music is possible with 3 or 5 credits of music, to include both performance and knowledge electives. *Students selecting* ***a Music major sequence to obtain an Advanced Designation Regents Diploma will need to earn 5 credits in Music.*** *Students selecting a* ***Fine Arts major sequence to obtain an Advanced Designation Regents Diploma will need to earn 5 required credits in a combination of Music and Art courses.***

MIDDLE SCHOOL PERFORMANCE ELECTIVES

JUNIOR BAND

Credits: None **Grade Level:** 7&8 **Prerequisite:** None

Students in Junior Band will continue to develop their instrumental technique and expand their abilities. Students will be offered an opportunity to participate in the NYSSMA Solo Festival and participate in the Jr. High All-County Band. Students should be capable of performing at a NYSSMA level 1 or have instructor permission.

JUNIOR CHORUS

Credits: None **Grade Level:** 7&8 **Prerequisite:** None

Students in Junior Chorus will continue to develop their singing technique and expand their abilities to include sight singing and singing in 3-4 part harmony. Students will also be given the opportunity to arrange music selected by the choir for performance at concerts. Students in Junior Chorus will be offered an opportunity to participate in the NYSSMA Solo Festival and participate in the Jr. High All-County Chorus.

HIGH SCHOOL PERFORMANCE ELECTIVES

SENIOR BAND

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** Junior Band

Senior Band is the culminating experience in the instrumental curriculum. Students in Senior Band will be offered an opportunity to participate in the NYSSMA Solo Festival and participate in the Sr. High All-County Band and Area All-State. Students should be capable of performing at a NYSSMA level 2 or have the permission of the instructor. Students are expected to reach NYSSMA level 3 by their Junior Year and level 4 by graduation.

STAGE BAND

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** Permission of Instructor

Stage Band (A.K.A. Jazz Band) has evolved into a small student driven performance ensemble where students select, arrange, and perform music from a variety of genres.

SENIOR CHORUS

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** Junior Chorus

Students in Senior Chorus will continue to develop their singing technique and expand their abilities to include multi-part sight singing and singing in 3-6 part harmony. Every student in Senior chorus is given one voice lesson per cycle. Students will also be given the opportunity to arrange music selected by the choir for performance at concerts. Students in Senior Chorus will be offered an opportunity to participate in the NYSSMA Solo Festival and be eligible for county and state music festivals based on their solo performance.

SELECT CHORUS

Credits: .5 **Grade Level:** 7-12 **Prerequisite:** Must be in either Junior or Senior Chorus or permission of Instructor

Students in Select Chorus work as a group to choose and arrange music from various genres and various time periods. Students in this group can expect to sing in 3-8 part harmony and all music is selected as a group with input from the director. This group will take performance opportunities outside of school as they become available.

MUSIC KNOWLEDGE ELECTIVES-All students participating in Electives must be concurrently participating in an Ensemble.

MUSIC THEORY I

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

This is an introductory music theory course. It is designed to provide students enough knowledge and skills to successfully complete a college music program audition process. Students will study music notation, rhythm and time signatures, construction of scales, keys, and intervals formation of chords harmony diatonic triads, combined with the introduction of non-harmonic tones aural skills (melodic, harmonic, and rhythmic dictation) analysis of basic musical forms. Class is limited to 15 students.

MUSIC THEORY II

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** Music Theory I

This advanced music theory course is designed for students who are planning to pursue a college major or minor in music. While not as in-depth as a college curriculum this course will provide a good background and understanding of many of the concepts students will encounter.The course will expand on diatonic and chromatic harmony, advanced aural skills (melodic, harmonic, and rhythmic dictation), Sight-singing, score reading and analysis, Transposition, basic serialism and twelve-tone concepts, introduction to jazz and blues harmonies and scales. Class is limited to 10 students.

TECHNOLOGY IN MUSIC

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

Technology in Music provides students hands-on training in live and studio sound applications. This project-based course introduces students to current audio production technologies. The students will study basic sound theory, live sound systems, recording techniques, Mixing, mastering. Class is limited to 12 students.

HISTORY OF ROCK & ROLL

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

This course follows the birth and development of Rock & Roll focusing on four main ideas that created and continue to shape this American genre: R&R as a product and contributor to culture, the importance of storytelling, the development of technology, and the importance and innovation of the performance aspects of the musicians and bands. This is a media driven course where we will explore the music through recordings, videos, readings, and discussions.

HISTORY OF AMERICAN MUSIC

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

The structure of this course will be based on a timeline of American history that focuses on the cultural events of an era and the resultant musical output. Students will follow the course of history in reverse, from today to the jazz era. Then we will move to the opposite end of the timeline from African drumming to slavery in the United States and up to the jazz era. Jazz represents a definitively American genre of music and will thus serve as the focus of our culminating project.

SONGWRITING

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

The structure of this course will be based on the elements of songwriting: chord structure, melodic development and composition of lyrics. Students will spend time working with each of these three aspects individually before being asked to put them together in composition. Students will write 3-5 songs as time permits and will travel to SLU to record those at North Country Public Radio.

DRAMA/ACTING

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

Students will develop individual and ensemble acting skills through theater games, monologues, duos and small-group scenes. Students will have the chance to work with theater majors from a local college in a workshop setting and to put on small performances in class. We will explore comedy, tragedy, musical theater, classical theater, modern theater and write our own scenes if time permits.

MUSICAL THEATER

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

The structure of this course will be based on the elements of musical theatre: Story, Scene Design, Costume Design, Music and Choreography. Students will study each element through the lens of children's literature. Working collaboratively, students will analyze and develop each element within a story. As a culminating experience, students will create a new story and then turn that story into a mini-musical to be performed for a select group of elementary students.

SOUND AND LIGHTING TECH (SaLT)

Credit: .5 **Grade Level:** 9-12 **Prerequisite:**

This course will teach the basics of stage lighting and live sound engineering. Students will work hands-on with a modern sound and lighting system and design lighting cues, looks, and shows and organize and plan sound design for various performances including presentations, bands, concerts, musicals, etc. Due to the hands-on nature of this course enrollment is limited to 6 students.

SCIENCE

Three science credits are required for graduation
One Science Regents (with labs) is required for a School or Regents Diploma
Two Science Regents (with labs) are required for the Advanced Designation Regents Diploma
Three Science Regents (85+ on all) are required for Mastery in Science

NON-REGENTS SCIENCE COURSES

GENERAL SCIENCE

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

These classes may be used as the 3rd science credit required for graduation and may include Life Science /Biology Topics, Physical / Earth Science Topics

NEW: Current Topics in Science

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

These classes may be used as the 3rd science credit required for graduation. **Current Topics** is designed to introduce students to the most recent events in science around the world. Students will watch and discuss daily news segments, and read and discuss items in popular media, and scientific literature. Current Topics will require a significant amount of independent thought and discussion.

Other Science classes available for credit, include the Wilderness Studies classes.
Please see the Wilderness Studies descriptions for more information.

REGENTS SCIENCE COURSES

LIVING ENVIRONMENT WITH LAB

Credit: 1 **Grade Level:** 9 **Prerequisite:** None

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment.

Successful Lab completion is a requirement to take the NYS Regents exam: In order to sit for the Regents exam, all students must successfully complete 1200 minutes of lab experience with satisfactory written reports for each lab investigation, including 4 state required labs.

Students will sit for a NYS Regents Examination at the end of this course. It will count as the final exam grade.

EARTH SCIENCE WITH LAB

Credit: 1 **Grade Level:** 10 **Prerequisite:** None

Physical Settings, or Earth Science, is a course offered Statewide through the New York State Regents program. It addresses the content and process skills as applied to the rigor and relevance to be assessed by the Regents examination in Physical Setting/Earth Science. Focus will also be on application skills related to real-world situations. Instruction will focus on student understanding and demonstration of important relationships, processes, mechanisms, and applications of concepts. Students, in attaining scientific literacy, will be able to demonstrate these explanations, in their own words, exhibiting creative problem solving, reasoning, and informed decision making. **Critical** to understanding science concepts is the use of scientific inquiry to develop explanations of natural phenomena. Therefore, as a prerequisite for admission to the Regents examination in Physical Setting/Earth Science, students must have successfully completed 1200 minutes of laboratory experience with satisfactory written reports for each laboratory investigation.

Successful Lab completion is a requirement to take the NYS Regents exam: Labs and all other projects are important parts of gaining the knowledge required to be successful in the Earth Sciences. As such, a minimum of 30 labs experiences are required by New York State.

Students will sit for a NYS Regents Examination at the end of this course.

SCIENCE

REGENTS CHEMISTRY WITH LAB

Credit: 1 **Grade Level:** 11 **Prerequisite:** Living Environment and Algebra

This is a regents level course with an in-depth study of the concepts and principles in chemistry. The course is based off of the NYS: Physical Setting: Chemistry Core Curriculum. Topics will begin with the simplest and move into more complex while building off of each other. The topical studies will include atomic concepts, periodic table, bonding, the mole & stoichiometry, energy & the behavior of matter, solutions, gas laws, kinetics & equilibrium, oxidation /reduction, acid/base, organic chemistry, and nuclear chemistry. Students will also be required to complete laboratory procedure and quantitative analysis. This course will require a great deal of work but these principles learned can be applied to fun and cool ideas

Successful Lab completion is a requirement to take the NYS Regents exam: 1200 minutes of Labs must be completed and handed in before students can sit down for the test. Old tests will be practiced to help students become familiar with the wording of the regents. **Students will sit for a NYS Regents Examination at the end of this course.**

REGENTS PHYSICS WITH LAB

Credit:1 **Grade Level:** 12 **Prerequisite: Passing Grade in Algebra II**

Regents Physics is an introductory course in high school physics designed to prepare students for the New York State Board of Regents Physics Examination. Students should be familiar with basic algebra, geometry, and trigonometry in preparation for this course. Physics involves a significant amount of lab work, hands-on activities, and exploration.

Key topics include:

Mechanics, the branch of physics that deals with forces and the way they produce and change motion. It includes the subunits of kinematics, projectile motion, Newton's laws, circular motion and gravitation, and impulse/momentum.

Energy and Work Energy, the driving force behind all of nature's processes and our ability to study nature. We will discuss work-energy relationships, energy transformation and transfer, and the various kinds of energy that exist.

Wave motion is closely related to the phenomena of vibration. Sound waves, earthquake waves, waves on guitar strings, and water waves are all produced by vibrations. There are many natural and manmade phenomena whose explanations require an understanding of vibrations and waves.

Electricity and magnetism are interrelated phenomena whose principles influence the technology we use on a daily basis. The basics of these phenomena, as well as the impact on our everyday life, will be discussed.

Modern Physics At the end of the 19th century, scientists thought they had learned most of what there was to know about physics. However, at the turn of the 20th century a major revolution shook the physics world. We will briefly overview these topics in modern physics, gaining an appreciation for new fields of physics research which are springing up even today

Successful Lab completion is a requirement to take the NYS Regents exam: In order to sit for the Regents exam, all students must successfully complete 1200 minutes of lab experience with satisfactory written reports for each lab investigation, including state required labs.

Students will sit for a NYS Regents Examination at the end of this course.

SOCIAL STUDIES

Four social studies classes are required for graduation: Global Studies 9, Global Studies 10, American History 11 (US History) and Social Studies 12 (Participation in Government and Economics)

US HISTORY (COLLEGE CREDITS*) - Section also taught without College credit

Credit: 1 **Grade Level:** 11 **Prerequisite:** 85 or higher on the Global History Regents & permission of instructor

This will be a more rigorous version of the American History 11 class that all juniors are required to take for graduation credit.

***6 North Country Community College credits are available with this course.**

ADIRONDACK HISTORY (COLLEGE CREDITS*)

Credit: 1 **Grade Level:** 11&12 **Prerequisite:** 85 or higher on the Global History Regents Exam & permission of instructor

An introduction to and overview of the unique history and people of the Adirondacks that acknowledges the future of the Park and its place not only in New York, but on the planet. The Adirondacks are unique in many ways; sociologically, environmentally, geologically, and politically. Knowing how the Park came into existence improves our understanding of the ever-changing "landscape" and all the challenges herein. Students gain a perspective of the many groups that have made (and continue to make) this place what it is today – and will be tomorrow.

***3 North Country Community College credits are available with this course.**

Social Topics: CRIMINAL JUSTICE

Credit: .5 **Grade Level:** 11-12 **Prerequisite:** 85 or higher on the Global History and/or the US History Regents or permission of the instructor

This elective course will give students a deeper understanding of the impact of law upon their daily lives. Court structure, criminal procedure, civil rights, and other legal issues will be examined.

Social Topics: INTRO TO PSYCHOLOGY

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

A systematic survey of mental functioning and human behavior. Topics include the history of psychology, perception, cognition, emotion, motivation, development, social psychology, personality, and abnormality. Theoretical perspectives and psychological research methods will be applied to better understand individual and group behavior.

Spanish Electives

Students who want to earn their Advanced Designation Regents Diploma may have to take Spanish I, II and III to meet the New York State Advanced Regents Requirements.

A local major in Spanish requires the completion of Spanish III.

SPANISH I **Credits**: 1 **Grade level:** 7&8 **Prerequisite:** None

Spanish I is an introductory course to the Spanish Language and Culture and the nature of language in general. Much emphasis is placed on oral communication and correct pronunciation. Vocabulary is combined with the basic grammatical structure. Students learn to narrate, and describe items, people, and activities they encounter in daily living. Although the course is mainly oral in nature; reading and writing activities are introduced. Students still talk about personal, daily activities and expand their conversation skills to talk about other people as well as themselves. Students also learn about the Spanish sentence structure and are able to express themselves in full sentences. Cultural topics deal with the above topics of study and the geography and history of Spain, South America, Central America and Mexico. ****** A comprehensive exam is administered at the completion of this course. ALL students are required by NYS to pass this course, unless the Committee of Special Education recognizes that someone has a disability that interferes with their learning Spanish.**

SPANISH II **Credits:** 1 **Grade level:** 9 **Prerequisite: Successful completion of Spanish I and an 80 or higher on the Spanish Regional Proficiency exam or permission of the instructor**. Spanish II is a continuation of the oral and written communication skills presented in Spanish I. In general topics remain personal in nature, but vocabulary is expanded to include topics that help the student function in Spanish in a community setting. In this level students will learn how to talk about things that happened in the past. Conversational tasks now include discussion and narration of the present and past events. Cultural topics relevant to the unit are introduced, discussed and researched in each unit.

SPANISH III **Credits**: 1 **Grade level:** 10 **Prerequisite: Successful completion of Spanish II or demonstrate mastery of Spanish II material.**

Instruction in Spanish III includes a review and expansion of the grammatical skills and vocabulary presented in Spanish I, and Spanish II. In addition, students are able to narrate, describe, and defend opinions, gather and summarize information, and discuss future or hypothetical situations. Topics deal more with functioning in Spanish in the community, but still include items of personal interest. Cultural topics relevant to the unit are introduced, discussed and researched in each unit. ****** A comprehensive Spanish Regents Equivalency exam is required.**

Spanish IV A (College Level*)

Credits: .5 **Grade level:** 11/12 **Prerequisite:** Successful completion of Spanish III

Spanish IV continues to focus on oral and written communication. Vocabulary and structures presented at the Regents level are reviewed, reinforced and expanded. Individual units of study focus on particular aspects of Hispanic culture. In each unit the student will be introduced to literature, and whenever possible to art, music and a movie relevant to the topic. The intent of the course is to develop the student's communications skills, reading skills, writing skills, critical thinking skills and to introduce them to literary and cultural concepts that will enhance their comprehension of Hispanic culture. Written communication skills are often incorporated to obtain information, develop ideas and express opinions about discussion themes. ***3 North Country Community College credits available with this course.**

Spanish IV B (College Level*)

Credits: .5 **Grade level:** 11/12 **Prerequisite:** Successful completion of Spanish III

Spanish IV continues to focus on oral and written communication. Vocabulary and structures presented at the Regents level are reviewed, reinforced and expanded. Individual units of study focus on particular aspects of Hispanic culture. In each unit the student will be introduced to literature, and whenever possible to art, music and a movie relevant to the topic. The intent of the course is to develop the student's communications skills, reading skills, writing skills, critical thinking skills and to introduce them to literary and cultural concepts that will enhance their comprehension of Hispanic culture. Written communication skills are often incorporated to obtain information, develop ideas and express opinions about discussion themes. ***3 North Country Community College credits are available**

TECHNOLOGY

HIgh School Foundation courses allow students to develop basic skills. System courses are more challenging and demand students to solve more complicated problems using engineering skills. A 3-5 credit Technology major must include both foundation and system courses as well as Math, Career & Financial Management***. Students selecting a Technology major sequence to obtain an Advanced Designation Regents Diploma must earn 5 credits in Technology.***

MIDDLE SCHOOL TECHNOLOGY

GRADE 7 **Credit:** None **Grade Level:** 7 **Prerequisite:** None

This course involves the design and construction of a wooden dragster. Developing engineering skills will be a main focus of this project. Students will create a detailed drawing using Autodesk inventor. The drawing will be converted to a 3 dimensional model. These two design tools will determine the specifications for the final dragster. The students will compete against others in their class for the fastest run. Solutions must take into account friction, drag, and mass. Students will also develop woodworking skills while solving this problem. Other skills developed will include problem solving strategy, AutoCAD as a design tool, measuring and layout, computer rendering, fabrication of visual models, use and care of hand tools, safety and operation of woodworking machines (drill press, band saw, scroll saw), prepping and painting techniques, and advertising methods.

GRADE 8 **Credit:** None **Grade Level:** 8 **Prerequisite:** None

This course extends what was learned in 7th grade technology. Several projects will be completed in this course. The first assignment will require students to fabricate a project using intermediate woodworking skills. The woodworking project will focus on creating a useful item for the home. The second assignment will require students to study 3D design and printing. Students will create and model a product in Autodesk Inventor. That product will be evaluated and later printed on a 3D printer. The product will be used as a pattern for metal casting. Students will use foundry equipment to create a mold and then cast the item.

HIGH SCHOOL TECHNOLOGY FOUNDATION COURSES

FARSIDE: WILDERNESS STUDIES II- ADIRONDACK BUILDING AND RUSTIC CONSTRUCTION

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** None

Wilderness Studies II is intended to train students in building and marketing of wood projects uniquely Adirondack. The course study includes Shop Safety, Adirondack Shop, Farside Builders, Outdoor Projects such as: Birch Bark Camp Signs, Simple Furniture, Miscellaneous Construction. This course counts toward Technology credits for graduation.

HIGH SCHOOL TECHNOLOGY

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

This course provides entry level and exploratory instruction.

METALS MACHINING AND PRODUCTION

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

Metals machining and production involves the design and construction of several metal projects. Students learn about metal working by completing four major projects along with required reading. These four major projects involve Casting metal, forming sheet metal and wrought iron, welding, and machining metal using a lathe/milling machine. Students may choose what type of projects they are going to make during the class. The student is responsible for finding materials when the lab does not provide them. Projects in the past have involved building or machining engine stands, jack stands, drift punches, various castings, BBQ grills, go-kart frames, ladder racks, nail sets, bushings, tool handles, skid plates, logging tools, forging tools, hammered dishes, tackle boxes, tool boxes, hearth tools, various logos, and many other metal products.

SMALL ENGINE REPAIR

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

Small engine repair will introduce students to 2 stroke and 4 stroke engines. Students will be responsible for the teardown and rebuild of an engine recommended by the instructor. During the course topics and service covered will include: 2 stroke theory, 4 stroke theory, engine service, troubleshooting, repair, and application. Students will be required to complete labs and chapter end questions that will accompany class work. At the completion of this course students will have a thorough understanding of small gas engines, and will have been introduced to many different applications of engine repair. Students will be able to pursue Outdoor Power Equipment certification. The OPE certification is nationally recognized and respected among many businesses. This certification will allow students to seek employment or begin small engine service on their own.

WOOD MATERIALS PROCESSING

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

This course provides instruction involving the tools, processes, and methods of machine woodworking.. Activities involve the set-up and use of machine woodworking tools. There are 3 major projects for this course, a beginning wood project, and two intermediate projects. Students are responsible for purchasing the materials used for their projects. Most all project suggestions are welcome. Students are encouraged to plan projects for themselves and their families.

HIGH SCHOOL TECHNOLOGY SYSTEMS COURSES

TRANSPORTATION SYSTEMS

Credits: .5 **Grade Level:** 9-12 **Prerequisite:** None

An overview of aerospace, land, and marine transportation systems will be covered. Students will become aware of the impact each system has on our everyday need to transport people and goods from place to place. Theory and operation of modern electronic engine control will be covered in detail. Students will use engine diagnostic tools to troubleshoot and repair computer controlled engines. Function and design of key devices used in other transportation areas will be covered and evaluated (i.e. Airplanes, Automobiles, Rockets, Boat hulls, Engine design, Airfoils etc.)

AUTOCAD I (Computer Aided Drafting)

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

Students are required to create 2D drawings and develop 3D models using Autocad and Autodesk Inventor. The drawings are plotted on paper in a presentable form. Autocad is extremely complicated program and only a portion of it is used in this beginner class. Students will find it helpful to have DDP(Design for Production)/Architectural drawing.

AUTOCAD II

Credit: .5 **Grade Level:** 10-12 **Prerequisite:** Algebra and DDP/Architectural drawing

Students are required to create 2D drawings and develop 3D models using Autocad and Autodesk Inventor. The drawings are plotted on paper in a presentable form. Students have the option to take this second Autocad course which will involve more in depth 3D modeling. Students should have algebra and be taking geometry along with DDP /architectural drawing.

CONSTRUCTION SYSTEMS

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

This course provides instruction involving residential construction. Students are responsible for completing activities and carrying out procedures that are necessary for constructing 1 to 2 family dwelling homes. Topics covered include; Blueprint reading Site and foundation work, building layout and design, Rough framing, floor wall and roof systems, and plumbing, and electrical work.

MANUFACTURING SYSTEMS

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

This course provides instruction in the production of goods in a factory setting. Instruction is centered around the activities in five different areas: Research and Development, Production, Marketing, Finance, and Human resources. Typical activities involve: Forming a company, Designing and mass producing a product. Each student is responsible for designing a product. A limited range of products will be chosen to be produced. Students will produce a quantity of the product. The product then must be marketed and sold to the public.

PRINCIPLES OF ENGINEERING

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

This course provides instruction with engineering as the major focus for coursework. The course will start with a portion of time dedicated to design and development of simple solutions for problems assigned. As the course progresses students will tackle problems of increasing difficulty. Computer Aided Design and the use of Autodesk Inventor will be included in the design work. Case studies will be used to further develop engineering type thinking and problem solving.

POWER AND ENERGY

Credit: .5 **Grade Level:** 9-12 **Prerequisite:** None

The Energy and Power Technology course, is intended to acquaint students with the sources and forms of energy available now and what may be available in the future. Students will learn that there are often choices to be made about the most appropriate energy form to use. The energy conversion systems which change energy forms to meet human needs also will be studied. The course stresses the importance of identifying the issues and problems associated with the use of each energy form and conversion system. Students will be involved with projects that require them to design an off grid energy system for residential use.

WILDERNESS STUDIES

AN INTRODUCTION TO WILDERNESS STUDIES: **Prerequisite:** None

This is an entry level course, introducing the Wilderness Studies program. (mainly 9th and 10th graders). Elements from Wilderness Studies I and III will be incorporated into this class. The objectives of these programs are to employ the knowledge, tools, and skills of the outdoor leader, naturalist, sportsman, and craftsperson in their private and professional live; prepare students to be good residents and decision makers of the North Country; provide relevant but under represented life skills for the outdoor user, with a strong environmental ethic; develop leadership techniques for basic backcountry excursions. These courses better prepare students to respect and enjoy these activities.

WILDERNESS STUDIES I - ADIRONDACK ECOLOGY AND NATURAL HISTORY (COLLEGE CREDITS*)

Credits: 1 **Grade Level:** 10-12 **Prerequisite:** Must complete Intro to Wilderness

Course study will include Winter Outdoor Recreation: Cross-country, Snowshoeing, Ice-fishing, Current and Future Issues of the North Country (Various References), Fishing Essentials (Let's go Fishing!), Orienteering (BSA Fieldbook and various references), Day hiking (BSA Fieldbook and various references), Trail Building and Maintenance (Trail Building and Maintenance), Environmental Science: Winter Ecology, Investigating Aquatic Ecosystems, Investigating Terrestrial Ecosystems, Ecology for the Outdoor User , Forest Ecology, Global Environmental Issues. North Country Issues: A Brief History of the North Country (The Adirondack Guide) Adirondack/North Country Essential Information (The Adirondack Guide). This course counts toward science credits for graduation. All assignments must be completed to attend field trips.

Culminating Experience: North Adirondack Regional Envirothon.

***11th and 12th graders may take this course for college credit through the College in High school program set up with Potsdam State. The current cost is $125 for the 3 college credit hours or $75 if the student is eligible for free/reduced lunch.**

WILDERNESS STUDIES II- ADIRONDACK BUILDING AND RUSTIC CONSTRUCTION

Credits: .5 **Grade Level:** 10-12 **Prerequisite:** None

Wilderness Studies II is intended to train students in building and marketing of wood projects uniquely Adirondack. The course study includes Shop Safety, Adirondack Shop, Farside Builders, Outdoor Projects such as: Birch Bark Camp Signs, Simple Furniture, Miscellaneous Construction. This course counts toward Technology credits for graduation. **This course is not intended as a prerequisite to Wilderness Studies III.**

WILDERNESS STUDIES III - OUTDOOR LEADERSHIP TRAINING (COLLEGE CREDITS*)

Credits: 1 **Grade Level:** 12 **Prerequisite:** Wilderness Studies I or Instructor Permission

Wilderness Studies III provides information and field training to students interested in using the outdoors as a career. Students complete planning, outfitting, guiding and post trip duties for a variety of backcountry experiences. In addition students provide a regional service generating high quality personalized maps as well as "wilderness trip tips" for interested parties. Culminating experiences include participation in 1, 2, 3 and 5-day excursions, leading to several guiding practicals with elementary and middle school students. Course study includes The Student Guide Program, The Outdoor Career Exploration Program (O.C.E.P.), Planning and outfitting 1-5 day field trips (Field Practicum), Map/compass and GPS in planning a backcountry route, Campcraft: Necessary skills of the backcountry traveler. (Field Practicum), Using the Magellan 4000XL Global Positioning System, Personalized map making with TOPO and Maptech!, Promoting tourism in Northern New York, Environmental Education service for schools, Kids on The Trail (Guiding), Determining career interests. This course counts toward science credits for graduation. All assignments must be completed to attend field trips.

***11th and 12th graders may take this course for college credit through the College in High school program set up with Potsdam State. The current cost is $125 for the 3 college credit hours or $75 if the student is eligible for free/reduced lunch.**

Your Map to Buried (College) Treasure

"I look for my buried "college" treasure, this map as my guide."

START HERE
PS (Pirate School) #1

DISTANCE FROM HOME: I want to look for my treasure:
☐ close to home ☐ not too close to home ☐ not sure

Do you think that you will want to be close to home? Would you enjoy traveling to a new place? Some students find that it helps to have the support of family close by while in college; others need to get away from distractions.

COLLEGE TYPE: After reading the handout on "college types," I think that I might want to look at the following kind of college treasure:

_____

(Fill in the blank)

HOUSING: When I finish a day of looking for treasure I want to: ☐ be living at home
☐ be living on campus in a dormitory

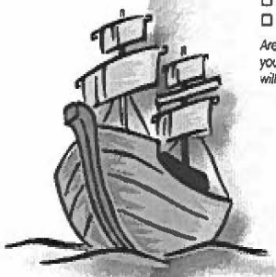
For a first year, it is best to live either at home or in a dormitory on-campus. Which option seems best for you? Check to see what housing options are available.

SIZE: As I look for my treasure I plan to travel on this size "ship" ☐ small (fewer than 2,000 pirates)
☐ medium ☐ large ☐ not sure

The size of your college will determine many possibilities including: the number of majors offered, activities available, number of books in the library, class size, and attention from teachers. (Small colleges may be as small as 500 students, medium sized 3,000–5,000, and large as many as 25,000–50,000 students.)

LOCATION: I'd like to dig for treasure:
☐ in or near a big city
☐ in a quieter location

Are the opportunities of a city important, or do you want a quiet, self-contained campus that will help you focus on your studies?



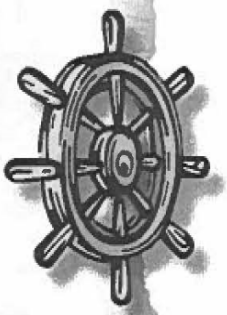
DIVERSITY: The pirates on my ship will be: (check all that apply) ☐ from the same place as me ☐ from my racial/ethnic background ☐ from my religious group ☐ both male and female ☐ the same gender as me

At some colleges most students come from one place or one ethnic group. At others, there will be a real mix of students from around the country and from different backgrounds. With whom would you like to attend college?

COLLEGE MAJOR: After you find your treasure—where would you like it to take you? Do you have a college major or career plan? If so, for which strong programs should you look?

_____

(Fill in the blank with college major or career choice)



ACTIVITIES: Even pirates can't spend all of their time looking for treasure! How would you like to use your spare time? Are extracurricular activities (sports, drama, music, fraternities, and sororities, etc.) important to you? Campus activities that matter to me include:

_____

(Fill in the blank with one or two activities)

GRADUATION RATE: No college treasure hunt is complete without researching how many admitted students are successful in finishing a degree! Make sure that your search includes information on how many students return after their first year and how many stay to graduate.

_____

(Fill in the blank with the graduation rate)

END POINT: Congratulations—you are on your way to finding

COLLEGE TREASURE!