Franklin Academy Curriculum Handbook

REVISED November 2024

Franklin Academy
Curriculum Handbook

Table of Contents

District and School Leadership.....2
Principal Message & Core Beliefs.....2
Counseling staff.....3
Advanced Placement (AP)/Honors Courses.....4
Dual Enrollment.....4-5
APEX Online Learning.....6
Class Rank/Early Graduation.....6
Graduation Requirements and Regents Exams..... 7-9
Other Academic Information.....10
-add drop policy, expected course load, grading, weighting system

Course Catalog
Art.....11-12
Business..... 13-15
Computer Applications..... 15-16
English..... 16-18
Health and Physical Education.....18-19
Languages Other Than English 20-23
Math..... 24-26
Music..... 26-27
Science..... 28-30
Social Studies..... 31-33
Technology..... 34-36

BOCES:
New Visions Programs..... 37

- Health Careers, Law and Government, Education, Game Design and Development

Career and Technical Education Programs.....38-39

- Automotive Technology, Building Trades, Cosmetology, Culinary Arts, Early Childhood Education, Electrical Trades, Heating Ventilation and Air Conditioning (HVAC), Health Occupations, Heavy Equipment Operation, Welding.

FRANKLIN ACADEMY
www.maloneschools.org

42 Husky Lane
Malone NY, 12953
518-483-7807

Kurt Munson
High School Principal
kmunson@maloneschools.org

Angela Trombley
Assistant Principal
atrombley@maloneschools.org

Reginald McDonald
Athletic Director
remcdonald@maloneschools.org

Brandon Pelkey
Superintendent of Schools

Sarah McMartin
Director of Pupil Personnel Services

Tanya Hazen
Assistant Director of Pupil Personnel Services

District and School Leadership

District Core Beliefs

Engaging Classrooms - Safe Environments - Informed Decisions

Principal's Message

This curriculum handbook is provided to students' parents as a guide to planning their academic future in high school. The course selection process can also be an important part of a student's future plans. Selection of courses in high school can allow a student the opportunity to take a vast array of elective courses allowing them to find where their interests lie. This will afford students a chance to choose a career path that matches interests, strengths and personal skill sets.
Franklin Academy offers numerous pathways to graduation. Through selecting the appropriate courses and New York State Regents Examinations students can work toward a high school diploma, Regents diploma or Regents diploma with advanced designation. Students will need to work closely with their counselors to ensure that they are selecting the right courses to fulfill the graduation requirements.
School counselors will begin working with students in the spring to ensure that adequate information and guidance is provided to students to put them on the right graduation and career path after high school. The hope is that through the course selection process and the rich course offerings that all students will find a path that is suitable to them.

Brandon J. Pelkey

Franklin Academy Counseling Office Staff

School Counselors

Dustin Stover
Students with last names A-G
dstover@maloneschools.org

Hanna Normandeau
Students with last names H-O
hmnormandeau@maloneschools.org

Tim McCarthy
Students with last names P-Z
tmccarthy@maloneschools.org

School Psychologist
Kaye Santamoor
ksantamoor@maloneschools.org

Registrar
Sharon Plante
splante@maloneschools.org

Guidance Secretary
Annie Raville
araville@maloneschools.org

All high school students meet individually every year with their School Counselor to conduct their Individual Progress Review meeting where career/academic plans are discussed and courses are selected for the following school year.

Advanced Placement Program

The Advanced Placement (AP) Program provides students with the opportunity to pursue college-level studies while still in high school. Upon completion of the courses, students may receive AP credit when entering college. AP courses at Franklin Academy are open to **all** students who wish to challenge themselves academically. They **must** take the AP exam at the end of the course. We offer the following courses for AP credit:

AP Physics
AP Biology
AP Psychology
AP Calculus AB
AP English Language/Composition
AP English Language/Literature

- Fee waivers are available to certain students who meet financial criteria.
- AP credit earned through a different institution other than Franklin Academy will be included on a student's transcript but not calculated in class rank or GPA.

Dual Enrollment Courses

FA students are offered the opportunity to earn college credit through articulation agreements with North Country Community College, Paul Smith's College, SUNY Potsdam and St. Lawrence University. Dual enrollment courses meet both high school and college course requirements. Students take these courses at the high school campus with high school faculty. Courses are offered to high school students at a discounted rate. Students **must** pay their course bill in order to earn credit from the college. All of NCCC courses are open for any student to take. Other institutions may have additional prerequisites that need to be met before admission to a course.

FA Course	College Course Number & Name	Credits	College
Accounting College	BUS 101- Introduction to Financial Accounting	4	NCCC
Anatomy & Physiology College	BIOL- 210- Intro to Anatomy and Physiology	4	SUNY Potsdam
Business Law	BUS 203-Business Law I	3	NCCC
Calculus College	MAT 241 -Calculus I	4	Paul Smith's

			College
English 12 Comp I College	ENG 101 - English Composition I	3	NCCC
English 12 Comp II College	ENG 102- English Composition II	3	NCCC
Film College	COMM 120- Film Foundations	3	SUNY Potsdam
French 3H (NCCC FRE 101)	FRE 101 - Intro to French I	3	NCCC
French 4H (NCCC FRE 102)	FRE 102 - Intro to French II	3	NCCC
French 5H (NCCC FRE 201)	FRE 201 - Intermediate French I	3	NCCC
Sociology College	SOCI 101- Intro to Sociology	3	SUNY Potsdam
Participation in Government College	POS 102 - American Politics and Government	3	NCCC
Physics College	PHY 101 - Principles of Physics I	4	NCCC
Spanish 3H (NCCC SPA 101)	SPA 101 - Intro to Spanish I	3	NCCC
Spanish 4 (NCCC SPA 102)	SPA 102 - Intro to Spanish II	3	NCCC
Spanish 5H (SLU SPAN 201)	SPAN 104 - Advanced Spanish	3.65	St. Lawrence University
Sports Marketing College	BUS 212 - Marketing	3	NCCC
Statistics College	MAT 125- Probability and Statistics I	3	SUNY Potsdam
US History College I	HIS 151- US History I	3	NCCC
US History College II	HIS 152- US History II	3	NCCC
New Vision Law & Government Course	**College Course Number & Name**	**Credits**	**College**
English NV 12 G	ENG 101 - English Comp	3	NCCC
Participation in Government NV College G	POS 101 - Intro to Pol Sci & Government	3	NCCC
Speech & Fundamental	ENG 105 - Speech Fundamentals	3	NCCC
Principles Poli Sci New Vision	POS 102 - Intro to Pol Sci & Government	3	NCCC
New Vision Health Careers	**College Course Number & Name**	**Credits**	**College**
English 12 New Vision College	ENG 101 - English Comp	3	NCCC
Participation in Government New Vision College	POS 101 - Intro to Pol Sci & Government	3	NCCC
Personal & Family Health College	HED 100 - Personal & Family Health	3	NCCC
Psychology of Human Relations	PSY 138 - Psychology of Human	3	NCCC

	Relations		
	College Course Number & Name	**Credits**	**College**
New Vision Education	HUS 161- Intro to Children and Family Services, EDU 201- Foundations of Education, ENG 105 Speech Fundamentals	9	NCCC

APEX- Online Learning

Online courses are available for students to meet graduation requirements due to scheduling conflicts or to recover credit for failing a course. The guidance office will distribute user names/passwords and the start and end date of each course. Questions can be answered at the guidance office.

Honors Curriculum

Students who meet the suggested requirements/prerequisites may take honors courses at Franklin Academy.

Class Rank Class rank, including valedictorian/salutatorian is calculated by the graduating classes 7th semester weighted GPA to the hundredth decimal point.. Physical education, swimming, Swinging Sounds, and Jazz Ensemble are not included in the average for class rank. Final class rank will be released no later than March 15.	**Early Graduation** Students who wish to graduate in less than 4 years must submit a letter of intent to the principal and have it be approved. Next, a family meeting with their counselor must take place to see if it is possible. Additional paperwork will need to be signed. Students who graduate early are not eligible for junior scholarships or being ranked in the top 15 of the class.

Graduation Requirements

Graduation from Franklin Academy High School requires the fulfillment of course and examination requirements as outlined by the New York State Board of Regents. The Board of Regents now allows students to choose from among multiple pathways to meet the assessment requirements for earning a Regents or local diploma. Students have the following options:

- Four (4) Regents Exams required: one each in English language arts (ELA), math, science and social studies
- Plus one (1) additional assessment meeting any of the following assessment requirements:
  - Math Regents Exam in a different math course
  - Science Regents Exam in a different science course
  - Social Studies Regents Exam in a different social studies course
  - Department-approved career and technical education (CTE) program and culminating three part technical assessment
  - Department-approved pathway assessment in the arts (or sequence)
  - Department-approved pathway assessment in a language other than English (LOTE)
  - Career Development and Occupational Studies (CDOS) credential option

Course Requirements	Regents Diploma
English Language Arts	4 Credits
Social Studies	4 Credits
Mathematics	3 Credits
Science	3 Credits
Physical Education	2 Credits (.5 every year of high school)
Art/Music	1 Credit
Health	.50 Credit
Language Other Than English (LOTE)	1 Credit
Elective Credits	3.5 Credits
Total Credits	**22**

Regents Exam Requirements

Exam Requirements	Regents Diploma (plus additional pathway)	Regents with Advanced Designation
English Language Arts	1 Exam	1 Exam
Social Studies	1 Exam	2 Exams
Mathematics	1 Exam	3 Exams
Science	1 Exam	2 Exams

Students can take or retake Regents exams every June, August, and January.

Diploma Endorsements and Seals

- Technical Endorsement-applies to all diplomas
- Regents Diploma with Honors
- Advanced Resignation with Honors
- Mastery in Mathematics
- Mastery in Science
- Seal of Biliteracy

Students with IEPs

Students identified by the Committee of Special Education (CSE) with Individual Education Plans (IEP's) have different requirements for satisfying Regents exam requirements which can earn them a local high school diploma. There are several safety net options put out by New York State. Each student with an IEP may have a different safety net option if needed. Graduation plans will be reviewed at each student's annual CSE and counselor meeting. Students with IEPs can still earn a Regents or Advanced Regents Diploma.

Add/Drop Policy	Expected Course Load	Grading	Weighting System
In the beginning of each semester students may drop or add or course with the appropriate documentation signed. Students will need to wait 5 days in the beginning of each semester before they can add or drop a course. The add/drop period ends a week after the 5 day wait period ends.	Students must carry at least 6.5 credits every year. That will still provide for a daily study hall. Some exceptions for seniors may be made.	Numerical 0-100 Passing grade = 65 Highest Honors - 94 or 3.9 (weighted) High Honors - 90 or 3.5 (weighted) Honors 85 or 3.0 (weighted)	Courses are weighted on a 4.0 scale Honors and college classes receive an additional .5 bump AP courses receive a 1 point bump

Course Catalog
ART

Course: Studio in Art
Prerequisite: None **Credits: 1**
This introductory course is designed to meet the art requirement for high school graduation as well as being a prerequisite for an art sequence/major. Because Studio in Art is a discipline-based art course, students receive instruction in the four major areas of study: art criticism, art production, art history, and aesthetics. The course syllabus includes experiences in drawing, painting, sculpture, printmaking and possibly crafts. In the creation of each project, students are expected to manipulate the Elements and Principles of Design in a creative and original manner. Upon completion of this course, students with an aptitude and/or interest in art will be encouraged to continue on to the next level. This is the most basic art course offered and will give the students the most well-rounded exposure to the arts.

Course: Creative Crafts I & II
Prerequisite: None **Credits: .5; 1**
An introductory and continuing course which focuses on useful works of art. It can meet the requirement if taken as a full year class or combined with another half year class. Although Creative Crafts is geared towards hands on experience, projects are designed to develop an overall art awareness. Students are exposed to the history of art and are expected to demonstrate creative, critical thinking skills. Examples of possible projects are: leather tooling, basket-making, silk painting, ceramics, jewelry, fiber art, mosaics, stained glass, tie dye, stenciling and metal tooling. Students are instructed in the appropriate use of materials as well as the possibilities of each medium.

Course: Ceramics
Prerequisite: Studio in Art **Credits: .5**
This course is an advanced elective designed for students who are interested in working with clay. The general course outline includes the nature and history of Ceramics as well as the actual construction of clay pieces. Students will learn how to prepare, texture, and shape the clay as well as how to decorate, fire, and glaze. Both functional and decorative art will be explored.

Course: Introduction to Drawing
Prerequisite:Studio in Art **Credits: .5**
This semester allows the student to explore a particular media in depth. Guidance will be offered in developing a sound, well-rounded portfolio. Further independent study is available with teacher/guidance approval.

Name of Course: Introduction to Painting
Prerequisite: Introduction to Drawing **Credits: .5**
This semester allows the student to explore a particular media in depth, painting in watercolor, acrylic, and oil. Guidance will be offered in developing a sound, well- rounded portfolio. Further independent study is available with teacher/guidance approval.

Course: Advanced Art
Prerequisite:Three years high school art **Credits: 1**
This is the most advanced course offered at Franklin Academy and is offered only to those students who have completed Studio in Art, Drawing & Painting and Sculpture. The format of the course involves students independently using their problem solving abilities to creatively interpret the criteria for each project. Students will be given the freedom to choose their own media and the style and technique which appeals to them. In most cases, students enrolled in this course are planning on pursuing their interest in art after graduation from high school. Guidance will be offered in developing a good well-rounded portfolio.

Course: Introduction to Photography
Prerequisite:Studio in Art **Credit: .5**
The Introduction to Photography course emphasizes the use of a 35mm camera, using black and white film while incorporating techniques for film processing, print enlarging, composition, fundamental aesthetics, and class critiques. The inclusion of hands-on projects will incorporate the history of photography, including digital imaging and philosophy as students learn to develop the technical and expressive skills they need to produce quality pictures.

BUSINESS

Course: Keyboarding I
Prerequisite: None **Credits: .5**
Keyboarding applications in this course will be confined to the following areas: keyboard readiness, alphabetic keyboard, numeric keyboard and keypad, symbol keyboard, skill development, orientation to word processing, correspondence, and reports.

Course: Keyboarding II
Prerequisite: Keyboarding I **Credits: .5**
Keyboarding II includes expanded/advanced application of Keyboarding I: skill development, orientation to word processing, reports, correspondence, and tables.

Course: Business Law (NCCC credit)
Prerequisite: 11th and 12th Graders **Credits: 1**
Business Law is a full-year course that can be of great value and relevance to high school students as they take their place in a society that is controlled and highly regulated by complex legal principles and regulations that affect every citizen. The course includes nine (9) modules:The Legal Environment (court systems, crimes, torts, etc.), Contracts (Basic requirements of all legal agreements), Bailments (temporary possession of other's property), Real Property (including renting)-Insurance (fire, auto, life, and social insurance's), Financial Transfers (checks, notes, and certain investments), Employment and Agency Relationships, Business Ownership, Transfer of Property through Wills and Intestacy.

Course: Introduction to Occupations
Prerequisite: None **Credits: .5**
This half-credit course examines the world of work and the considerations involved in choosing a career along with its relationship to lifestyle choices. This course will allow students to investigate career options and determine their own personal resources. Necessary educational requirements will be considered throughout the career exploration process. The Guidance Office will supplement this course with resources for choosing a viable career.

Course: Career Management
Prerequisite: None **Credits: .5**
Career Management will allow students to learn the knowledge and skills needed to excel on any career path. Resumes and interview skills will be introduced and developed to give students the necessary competence to enter the workforce. Students will also learn appropriate soft skills to be used as an effective member in the workplace. All of the skills learned throughout the course can also be applied to college entry interviews and for the duration of the college career

Course: Math and Financial Applications
Prerequisite: Passed the Algebra Regents **Credits: 1**
Why should ALL students take a personal finance course before graduating from high school? Because financial education can be life-changing. Effective money management is a disciplined behavior. This course is designed to alert, inform, and educate students on concepts of personal finance and money management. Robust studies show that guaranteed financial education improves lives. Students who take a personal finance course before graduating from high school show smarter spending, borrowing, saving, and investing skills. High school students across the country and their parents overwhelmingly rank personal finance as the most useful high school course. According to a 2019 Experian Consumer Finance Survey, 76% of recent high school grads said they wished their schools placed more emphasis on personal finance, and 83% of high school students' parents surveyed in August 2020 by US News & World Report said they wanted their children's schools to do more to help them raise financially capable adults. Units in this course include: “Income Taxes”, “Checking & Savings Accounts”, “Paying for College”, “Managing Credit”, “Investing”, “Insurance”, and “Budgeting”. If time allows toward the end of the school year, additional topics in “Alternatives to 4-Year Colleges” and “Cryptocurrency” can be included.

Course: Accounting (NCCC Credit)
Prerequisite:11th and 12th graders **Credits: 1**
This course is designed to develop a student's ability to keep the books for sole proprietorships, partnerships, and service/merchandising businesses that operate on both a cash and credit basis. Students will learn the necessary job skills to become proficient in the area of proper bookkeeping. The job skills that will be covered include: learning about business organizations; debit/ credit theory; journalizing and the use of special journals; posting to a ledger; and financial reports.

Course: Driver Education
Prerequisite:NYS permit or license; Age 16; US citizens **Credits: .5**

Driver Education is a class committed to providing drivers with information, which will help them drive safely. This course provides the opportunity for students to gain knowledge of the basic "rules of the-road," safe driving principles, defensive driving skills and other skills which will affect driving.

By actively participating in and completing Driver Education, students have the opportunity to develop and improve their driving behavior. Collisions and traffic violations may be greatly reduced or avoided entirely. The rewards to all highway users are well worth the investment of the time new drivers make to this class.

With the New York State Graduated license requirement all 16 and 17 year olds must hold their junior's learner's permit 6 months and acquire a minimum of 50 hours of supervised driving experience to be eligible to take a road test. By taking and successfully completing Driver Education, hours accumulated may be counted towards the 50 hour requirement.

Students will attend 24 clock hours of classroom and 6 hours on in car driving with 18 hours of in car observation to complete this course. Students will not receive credit, the New York State Blue Card, or the insurance reduction if they do not meet this attendance requirement.

*Due to the popularity of this course and the limited number of spots available seniors will have first priority in being selected (followed by juniors and sophomores)

Course: Franklin Academy Yearbook
Prerequisite:None **Credits: 1**
The efforts of this course are focused on creating a finished product: a 192 page hardcover bound text created specifically for our school. What starts as an idea or concept becomes reality as students working on a team, create another edition of The Student. The end result will be a tribute to the dedication and effort each student brings to this cause. Being on the staff offers students the opportunity to gain life skills, assume responsibilities and have some fun at the same time. Yet for these results to be realized there is much work that needs to be done. The yearbook needs students who have the following skills: dedication to people and the publication, ability to meet exact deadlines, open-minded attitude, acceptance of new ideas, enthusiasm, consistency, communication skills, vision, responsibility, respect of school and fellow staff members, generosity with praise, tolerance for criticism, fairness, maturity, strong work ethic and persistence. If you feel you have these traits then you would be a good addition to the staff.

Course: Sports Management
Prerequisite: 11th and 12th Graders **Credits: .5**
It is the mission of the Sports Management program to prepare students for entry- level positions in the business of sport, such as event facility/ arena management, intercollegiate athletics management, sport organization management, sporting goods sales management, broadcasting and sports promotions. Students may be required to be at particular on-site locations throughout this course.

Course: Sports Marketing (NCCC credit)
Prerequisites: Credits: None **Credits: .5**
Explores the marketing for college, amateur and professional sports, looks at the marketing of products and services through sports, and studies the impact of public images on consumers. This half-year course allows students to get three college credits through NCCC in Principles of Marketing while applying the basics to the sporting worlds.

Course: Social Media & Digital Marketing
Prerequisites: *11th and 12th Graders*
Credits: 1
Technology has grown and is enabling businesses to connect to their target market like never before. The Social Media & Digital Marketing course will allow students to learn the newest types of digital marketing strategies while also helping out their school or local business. This course not only teaches students digital and social media marketing, but it has them apply their knowledge to create real-world content to better the school and the community.

Course: Entrepreneurship and Business Ownership
Prerequisites: *11th and 12th Graders*
Credits: 1
The Entrepreneurship and Business Ownership class is designed to teach the concepts for researching ideas and markets and the planning and management processes of owning one's own business. The class will explore the basic concepts and also apply a simulation project where students will actually prepare a professional business plan proposal. Each student will develop leadership and problem-solving skills, understand the importance of making ethical decisions, develop public speaking and presentation skills, proper social and business etiquette, analyze possible solutions to specific business problems, develop business leadership skills, and develop an increased understanding of the business world.

ENGLISH

The English Language Arts Program at Franklin Academy is designed to facilitate students' ability to write effectively, to read critically, and to develop a sense of (and relationship to) literature. Students will be college and career ready as they move through our program that integrates technology, develops independent learning strategies and a sense of the world around them while advancing their English skills.

Course: English 9
Prerequisite: None **Credits: 1**
This course is the first in a three-year program to prepare students to complete New York State's Comprehensive Examination in English successfully. Students will study, practice, and develop fundamental writing skills, including

basic methods of library research. This course emphasizes sentence structure as well as standard American conventions of grammar, punctuation, and spelling. Students will be introduced to representational works of the major genres and methods for reading and responding critically. As students work to become analytical thinkers they will have the opportunity to earn retroactive 9th grade honors credit through achievement embedded within the course.

Course: English 10 Honors
Prerequisite:Successful completion of English 9 **Credit: 1**
This course is the second of a two-year preparation for enrollment in the English 11 and English 12 grade Advanced Placement courses. Students will continue to develop the critical skills for interpreting and evaluating literature from all literary genres. They will write in response to an analysis of essay prompts concerning their readings.

Course: English 10
Prerequisite: Successful completion of English 9 **Credits: 1**
This course is the second in a three-year program to prepare students to complete New York State's Comprehensive Examination in English successfully. Students will continue to read and study literature from all genres. They will write extensively in response to their readings, learning to adjust their structure, detail, and vocabulary according to purpose.

Course: English Language & Composition-Advanced Placement
Prerequisite: Successful completion of English 10 Honors or English 10 **Credits: 1**
This course prepares students for the AP Examination in English Language and Composition that is administered in May. Students must pay for the exam; however, those qualifying for free/reduced lunch program may waive the exam free. Achieving a score of 3, 4, or 5 on the exam can result in college credit. The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text— from a range of disciplines and historical periods. There is no prerequisite beyond passing English 10, students are encouraged to take this course if they have earned a 95 or higher in an English 10 course, an 85 or higher in English 10 Honors, and have not missed more than 18 days of school during their sophomore year.

Course: English 11
Prerequisite: Successful completion of English 10 **Credits: 1**
This course is the third in a three-year program to prepare students to complete New York State's Comprehensive Examination in English successfully. The reading content of this course includes a survey of American authors and their works. This is a writing-intensive course that focuses on critical analysis of literary techniques, and the basic techniques of essay writing.

Course: Film (SUNY Potsdam COMM120 Film Foundations)
Prerequisite: 11th and 12th graders **Credits: 1**
This is a cinema studies course designed to introduce students to the art of film with a focus on the history, artistry, and craft of film from its inception until the modern-day. Focusing on films as literary texts examining genres, masterpieces, and iconic filmmakers. Students will learn about cinematography, editing, sound, structure; and milestones in cinema history: the production code, conversion to sound, adoption of the rating system, changing patterns in the cinematic depictions of race, gender, and historical events. and acquire basic film terminology and insight into the roles in film production. The goal of the course is to explore how filmmakers in different historical and cultural settings have contributed to the evolution of film as a powerful, complex and captivating art form. This course is designed to provide a survey of the wealth of styles, forms, and approaches to filmmaking that have developed and emerged in the past 120 years.

Course: English 12
Prerequisite: Successful completion of English 11 **Credits: 1**
English 12 consists of a study of literature and a critical look at the real-world issues they depict. A variety of genres, such as poetry, epics, drama, short stories, novels, and nonfiction, will be studied. The course offers many elements and skills that students will utilize after graduation, including rhetorical writing, study skills, and reading comprehension.

Course: English Composition (NCCC)
Prerequisite: Successful completion of English 11 **Credits: 1**
This course is called "Literature Appreciation" at North Country Community College.It consists of reading many genres of literature from authors around the world and learning how to respond to these works verbally, as well as through writing. Responses will be required on both a personal and critical level. Through their reading experience, students will be exposed to ideas about the living world. Through class discussion, students will begin to form their own ideas about themselves and their place in the world. Through their writing, students will practice expressing their views using both creative and expository styles.

Course: AP English 12 – Advanced Placement Literature and Composition **Credits: 1**
Prerequisite: Successful completion of AP English 11 is recommended with achieving at least a 3 on the exam.
This course prepares students for the AP Examination in English Language and Composition. The test will be administered in May. Students must pay for the exam. Achieving a score of 3-5 on the exam can result in college credit. Students will write and read extensively and will be expected to perform at the college level. This course closely examines college level literature pieces at a rapid pace. It consists of reading many genres of literature from authors around the world and learning how to respond to these works verbally, as well as through writing. Responses will be required on both a personal and critical level. Through their reading experience, students will be exposed to ideas about the living world. Through class discussion, students will begin to form their own ideas about themselves and their place in the world. Through their writing, students will practice expressing their views using both creative and expository styles. Please visit the following link for that actual course description per The AP College Board. http://apcentral.collegeboard.com/apc/public/repository/ap-english-course-description.pdf

Health and Physical Education

Course: Health
Prerequisite: None **Credits: 1/2**
Health is a required course for graduation. Mixed classes of 9th-12th grade students learn about the importance of taking responsibility for their health. Making healthy decisions regarding a variety of health topics is promoted highlighting facts that support the message that choices teens make now can impact their future. Topics of classroom discussion involve analysis of risk factors for health problems and prevention information on drug abuse, relationship abuse, violence, teen pregnancy, and communicable disease, such as HIV/AIDS. Information on prevention of lifestyle diseases, such as cancer, heart disease, and diabetes are also part of classroom instruction. Reinforcement of the importance of positive communication and a variety of problem solving skills is included to aid students to become better health advocates. Guest speakers are invited to share their expertise with students and increase awareness of available community/school help resources.

Course: Physical Education (Includes 5 weeks of Swimming in 9th & 10th grade)
Prerequisite: None **Credits: 1/2**
Students will attend Physical Education 3 times per six day cycle. As the title implies, this course will present a wide array of topics related to health, physical activity, and fitness. Students will learn to assess their own fitness level, and based on this assessment be able to design their own personal fitness program. They will also learn how to maintain a desired level of fitness once they have reached an appropriate level. This course will consist of both classroom and movement based activities and will continue throughout the entire school year. Students will be expected to perform only at their own level. Every effort will be made to help each student recognize gains in his/her level of fitness and constant documentation will provide each student tangible proof of their achievements.
Course: Swimming (5 weeks for 9th and 10th graders)
Prerequisite: None **Credits: See Phys. Ed.**
All students are required to participate in 5 weeks of swimming - 3 days per 6 day cycle. Various skills will be taught depending on the students swimming ability. They also receive 2 days of CPR and rescue breathing training. May include the following skills: Adjustment to water; breath holding; rhythmic breathing; prone float and recovery, prone glide; back glide and recovery; prone glide with kick; back glide with kick; beginner stroke or front crawl-15 yds.; wing and kick on back-15 yds., leveling off, jump into shallow water and swim; jump into deep water and swim, changing direction; turning over; safety information.

Course: Swimming Elective .
Prerequisite: Completion of 9th & 10th grade swimming requirement **Credits: See Phys. Ed**
Students may choose to participate in 5 additional weeks of swimming in place of 5 weeks of regular Physical Education class. A wide variety of swimming activities and games will be offered.

Course: Lifeguarding **Credits: .5**
Prerequisite: 15 or older, should be able to perform the following skills: Standing Front dive, swim 500 yds., 20 lengths of the pool, crawl side, elementary back, breaststroke; surface dive to a depth of 8 feet, swim 20 ft. underwater, treading 1 minute

Skills taught include preventative lifeguarding, equipment, types of emergencies; rescue fundamentals; rescues; snorkeling skills; search and recovery operations; spinal injury management; special situations; reports and record keeping; weather and environmental conditions; requirements and responsibilities of a Lifeguard.

Course: Water Safety Instructor **Credits: .5**
Prerequisite: Level VI swimming ability (must pass pretest demonstrating these skills)
Pass a 25 question pretest on Basic Water Safety
Age 16 by the end of the class

Trains individuals to become American Red Cross Water Safety Instructors. Class includes teaching methods, stroke and skill analysis, lesson planning, class organization, and practice instruction. Upon completion students will be certified to teach "Learn to Swim Levels 1-VII and Basic Water Safety Courses".

LANGUAGES OTHER THAN ENGLISH

Course: French 1
Prerequisite:None **Credits: 1**
The focus of this course is on real-life language use, the integration of French and the Francophone culture and language as well as the acquisition of the four skills: listening, reading, writing, and speaking. The fundamentals of French pronunciation and grammar are presented. This course is designed for students with little or no knowledge of French. During class time, students should expect to engage in group or pair work and to actively participate at all times. Classroom games, powerpoint presentations, use of technology and videos will all be incorporated as learning/teaching techniques.

Course: French II
Prerequisite:French I **Credits: 1**
French II continues from French I with the material arranged by topic and as much as possible geared to students' interest and age level. Grammar presentations review previous materials and provide more in-depth analyses. The past tense is covered. Francophone areas are the topic of the cultural presentations.French II covers the first half of Checkpoint B.

Course: French II Honors
Prerequisite: French I and recommendation of teacher **Credits: 1**
French II Honors is a rigorous course for the highly motivated student. It is an intensive study of curriculum topics which incorporate the four language skills including reading, speaking, listening and writing. This course will cover the French II curriculum in a more extensive and detailed manner.

Course: French III (NCCC Credit-French 101)
Prerequisite: French II **Credits: 1**
French III Honors is a rigorous course for the highly motivated student. It covers all topics listed in French III. However, these topics will be covered in greater depth with emphasis on applying the grammatical concepts.

Course: French IV (NCCC Credit- French 102)
Prerequisite: French III **Credits: 1**
Students will increase their listening skills such that French television is comprehensible. Students will be encouraged to carry on lengthy conversations and presentations in French. There will be several short stories, poetry and novels read which will introduce students to French literature and cultural values as well as improve their reading ability. Students will write essays, critiques and stories in French with some competency. The general atmosphere of this level is informal and conversational. Debates will be incorporated so that students can express their feelings and opinions.

Course: French V (NCCC Credit French 201)
Prerequisite: French IV **Credits: 1**

Students will experience listening to native speakers not only on television and radio but also in more lengthy contexts such as movies and plays. Students will be expected to carry on all classroom communication competently in French.Students will read several major works of literature and will discuss and write about their reactions in essays and term papers. This level is again informal,conversational, but directed toward serious discussion of literary topics as well as everyday subjects. Application of checkpoint C grammar points is expected.

Course: Spanish 1
Prerequisite: None **Credits: 1**
Spanish 1 focuses on beginning speaking, writing, reading and listening skills. The emphasis is learning to communicate on an elementary level in Spanish. Topics generally presented are: greetings, identification, description, school, family, activities, numbers, colors, sports, animals, travel, parties, houses, camping, shopping, parts of the body, festival days, the city, elementary grammatical structures and verb forms and general cultural themes..

Course: Spanish II
Prerequisite: Spanish I **Credits: 1**
:Spanish II continues from Spanish I with the material arranged by topic and as much as possible geared to students' interest and age level. Grammar presentations review previous materials and provide more in-depth analyses.The past tense is covered. Where possible computer software is used for reinforcement. Spain is the topic of cultural presentations. Spanish II covers the first half of Checkpoint B.

Course: Spanish II Honors
Prerequisite: Spanish I **Credits: 1**
Spanish II Honors is a rigorous course for the highly motivated student. It is an intensive study of curriculum topics which incorporate the four language skills including speaking, listening, reading and writing. This course will cover the Spanish II curriculum in a more extensive and detailed manner.

Course: Spanish III
Prerequisite: Spanish II **Credits: 1**
A complete review of the language starts with the present tense. Authentic materials are used for reading. Visual materials are used for vocabulary accumulation. Computer software provides review. This course continues with Checkpoint B of the NYS Syllabus. Spanish only is spoken in class. Cultural presentations focus on Latinos in the U.S., Mexico, Caribbean and Costa Rica.

Course: Spanish III (NCCC–Spanish 101)
Prerequisite: Spanish II **Credits: 1**
Spanish III Honors is a rigorous course for the highly motivated student. It covers all topics listed in Spanish III. However, these topics will be covered in greater depth with emphasis on applying the grammatical concepts.

Course: Spanish IV (NCCC Spanish 102)
Prerequisite: Spanish III **Credits: 1**
This college-level course studies the history and culture of Central America and Hispanics in the target language. Students will read, write, listen, and speak in the target language a majority of the time. Learning will be enhanced through textbook readings and literature, writing of formal essays, projects, movies, videos, music, class discussions, research, etc. Authentic materials and native speakers will be utilized. An in-depth review of basic grammar as well as a beginning study of advanced grammar will be incorporated into daily lessons and assignments in preparation for Spanish V (SLU Spanish 104) or Spanish Compositions and Literature (NCCC Spanish 201).

Course: Spanish V (St. Lawrence University Credit)
Prerequisite: Spanish IV **Credits: 1**
This college-level advanced Spanish consists of the reading and interpretation of the works of several Spanish and Latin-American authors. Comprehension will be promoted by the exclusive use of Spanish in the classroom. Authentic movies and videos will be used to enhance comprehension. Speaking exercises will be aimed at improving oral proficiency. There will be several writing exercises and grammatical activities as necessary to improve writing skills. Two days of immersion at St. Lawrence University are required. Registration fee for St. Lawrence University is $75. An extensive portfolio is required and submitted to the Modern Languages and Literature Department at St. Lawrence University as a final evaluation.
.

Course: Sign Language I
Prerequisite: None **Credits: 1**
This course will help the student develop an understanding of basic sign language. Sign Language is a complex visual-spatial language that is used by the Deaf community in the United States and English-speaking parts of Canada. It is a linguistically complete natural language. It is the native language of many Deaf men and women, as well as some hearing children born into Deaf families.

Sign Language has a very complex grammar. Unlike spoken languages where there is just one serial stream of phonemes, sign languages can have multiple things going on at the same time. This multiple segmentation makes it an exciting language for linguists to study and a frustrating language for Deaf-impaired (aka, hearing) people to

learn. Sign Language has its own morphology (rules for the creation of words), phonetics (rules for hand shapes), and grammar that are very unlike those found in spoken languages. Sign languages promise to be a rich source of analysis for future linguists to come.

Course: Sign Language II
Prerequisite: Sign Language I **Credits: 1**
American Sign Language 2 is a continuation of ASL 1. Instruction is a more advanced study of ASL fundamentals. Students will expand their receptive and expressive fingerspelling, vocabulary, and grammar skills to a more functional conversational level. They will increase their awareness of Deafness and Deaf Culture. Students will be given more opportunities for conversation in ASL (without voicing). They will be expected to demonstrate their sign skills through various expressive projects. Students will also have more opportunities to use their sign skills with native signers.

MATH

Course: Algebra
Prerequisite: Successful completion of 8th grade mathematics (Pre-Algebra) **Credits: 1**
Topics studied are a Common Core approach to Algebra. Students will understand mathematics and become mathematically confident by communicating and reasoning mathematically by applying mathematics in real-world settings, and by solving problems through the integrated study of number systems, algebra, and data analysis. The Common Core Algebra regents is the final exam in this course.

Course: Algebra A
Prerequisite: Successful completion of 8th grade mathematics (Pre-Algebra) **Credits: 1**
Algebra A is designed for students who need additional time to master the skills and objectives of Common Core Algebra . The basic algebra skills are covered and reinforced. It is the first year of the two year program.

Course: Algebra B
Prerequisite: Successful Completion of Algebra A **Credits: 1**
This course is a continuation of Algebra A. All necessary skills and objectives are studied by the conclusion of this course. The Common Core Algebra Regents exam is the final exam for this course. This is the 2nd year of the two year Algebra program.

Course: Geometry
Prerequisite: Successful completion of Algebra with a passing grade of 65 on the regents **Credits: 1**
Geometry is the study of reasoning beginning with definitions, postulates and the laws of reasoning. The students will learn to apply the laws of logic to traditional deductive proofs in geometry, both direct and indirect. Traditional synthetic geometry, coordinate geometry transformations, concurrence theorems, solid geometry and algebraic skills. The Common Core Geometry regents is the final exam in this course.

Course: Foundations of Math
Prerequisite: Successful Completion of Algebra 1 **Credits: 1**
Students will learn to apply the laws of reasoning in Algebraic and practical situations. Traditional, synthetic geometry, coordinate geometry and transformational geometry is integrated throughout the text. Specific topics studied are coordinate geometry, transformations, concurrent theorems, solid geometry and algebraic skills. Proofs will not be studied in this course. There is a final exam in this course but not regents.

Course: Algebra II / Trigonometry
Prerequisite: Successful completion of Geometry with a minimum of 65 on the Regents **Credits: 1**

This is an integrated approach which builds and connects each concept. The primary emphasis is on operations, variables and expressions, equations and inequalities, trigonometric functions, patterns, functions and relations, coordinate geometry measurement, probability and statistics. Problem solving is emphasized throughout the course. The graphing calculator is used as a routine mathematical tool. The Trigonometry regents is the final exam in this course.

Course: Elements of Algebra II / Trigonometry
Prerequisite: Geometry or Elements of Geometry **Credits: 1**
The topics will be similar to Algebra II / Trigonometry but at a slower pace, stressing the practicality of Algebra and trigonometry. A preparatory course for students going to college but weak in math.

Course: Pre-Calculus
Prerequisite: Algebra II / Trigonometry **Credits: 1**
This is an in-depth curriculum with the purpose of preparing students for a course in AP or College Calculus. Topics covered include matrices, functions, trigonometry, and limits. A graphing calculator is needed for this course.

Course: Statistics
Prerequisite: Algebra II / Trigonometry **Credits: 1**
Statistics is a course that deals with the collection, classification, analysis interpretation of information or data, drawing conclusions, and making predictions based on the data. It is appropriate for students pursuing majors in a wide variety of disciplines ranging from social sciences of psychology and sociology to areas such as education, the allied health fields, business, economics, engineering, the humanities, the physical sciences, journalism, communications, and liberal arts.

Course: Calculus (College Credit Paul Smiths)
Prerequisite: Pre-Calculus **Credits: 1**
Calculus is a course in which mathematical relationships between variable quantities are explored. It is a tool of fundamental significance in all areas of science, engineering and applied mathematics. Included are basic concepts and transcendental functions of limits and continuity, differentiation of algebraic functions, implicit differentiation of algebraic functions, application of derivatives to curve sketching, related rates and maximum/ minimum problems, Riemann sums (indefinite integral) and the definite integral, and applications of integration to areas.

This course allows for the use of a graphing calculator.

Course: AP Calculus AB
Prerequisite: Pre-Calculus **Credits: 1**
Calculus AB is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically and verbally. AP courses in Calculus consist of a full high school academic year of work and are comparable to Calculus courses in colleges and universities. It is expected that students who take an AP course in Calculus will seek college credit, college placement, or both from institutions of higher learning.

AP Calculus AB represents college-level mathematics for which most colleges grant advanced placement and/or credit. Most colleges and universities offer a sequence of several courses in calculus, and entering students are placed within this sequence according to the extent of their preparation, as measured by the results of an AP Exam or other criteria. Appropriate credit and placement are granted by each institution in accordance with local policies. Many colleges provide statements regarding their AP policies in their catalogs and on their websites.

MUSIC

Course: Chorus
Prerequisite: None **Credits: 1**
Acceptance is based on audition; previous choral experience is recommended, but not required. Students are taught music reading skills and basic vocal techniques. Music is learned in four parts: soprano, alto, tenor, and bass. Two evening concerts and two in-school assemblies are scheduled and students are required to participate. In addition, it is possible that the choir will participate in out-of-town festivals or performances. A variety of music is performed using an overall vocal repertoire. Students complete a sectional singing test each semester; one written assignment each semester and a solo or ensemble performance for each other at the end of the year. Students must attend one sectional rehearsal each week. Quarterly grades are determined using the above as well as teacher evaluation on student participation. Considered in the teacher evaluation is musicianship, attendance, attention, participation, enthusiasm, loyalty, good citizenship, and leadership.

Course: Swinging Sounds
Prerequisite: Membership in Chorus or Band **Audition required** **Credits: .5**

Acceptance is based on an audition; however, in order to audition, a student must be a member of the Band or Chorus unless their schedule does not allow. Music performed includes: pop, rock, show, jazz, and Dixieland. Swinging Sounds is considered a "show choir." This means that in addition to singing, students perform their music

with choreography. Students are encouraged to participate in the planning of choreography. Swinging Sounds meets Wednesday evening from 6:00-8:00pm. In addition, students are required to attend one-in-school sectional per week. Performances include two evening concerts, two in-school assemblies, and performances at local service clubs, area clinics, and festivals.

Course: Modern Band **Credits: .50 or 1**

Modern Band is a dynamic and innovative approach to music education that focuses on contemporary popular music styles. In this year-long course, students will explore various aspects of modern band performance, including instrumentation, songwriting, arranging, improvisation, and performance techniques. Through hands-on playing experience and collaborative projects, students will develop musical skills, creativity, and an understanding of the cultural significance of modern music genres.

Course: Music Theory

Prerequisite: 1 credit of Band/Chorus or private piano instruction or permission of instructor Credits: 1

Music Theory focuses on the fundamentals of music in a comprehensive musicianship approach. Students will learn how music is put together, how it "works", and how the elements of music interrelate to form musical compositions. Students will perform, create, read, write, analyze, transpose, and harmonize music. Students will use computer technology as a tool to aid in these music experiences.

Course: Symphonic Band

Prerequisite: Enrollment in Instrumental Program Credits: 1

Membership in the symphonic band is open to all who satisfactorily completed the previous year of instruction in Instrumental Music. Transfer students must audition. Each member must attend all regularly scheduled rehearsals. Seating in the band is based on the student's ability as determined by audition and by the needs of the Band itself. Along with the group experience, a small group lesson requirement is required to complete the course.

Course: Wind Ensemble

Prerequisite: Auditions Credits: 1

Membership in wind ensemble is based on instrumentation needs from the Symphonic Band and on occasion from the Advanced Band at the Middle School. Transfer students must audition. Each member must attend all regularly scheduled rehearsals. Seating in the Wind Ensemble is based on the student's ability and by the needs of the group. Along with the group experience, a small group lesson requirement is required to complete the course.

Course: Jazz Ensemble

Prerequisite: Participation in Symphonic Band or Wind Ensemble AND an audition Credits: .5

The director selects the members of this Band from the Symphonic Band and wind Ensemble Personnel based on a performance and an audition given in September. Once a student accepts the invitation to join the Jazz Ensemble he/she is expected to attend ALL rehearsals and performances. Their performance, attitude and conduct should be the same as that in the Symphonic Band or Wind Ensemble. The Jazz Ensemble studies the styles of jazz, rock,

jazz-rock, Latin, blues and improvisation. The Jazz Ensemble meets once weekly, in the evening, for two and one-half hours.

SCIENCE

The 1200 minute laboratory experience and the laboratory performance test are required by the NYSED to qualify to take any Science Regents exam. Students must complete satisfactory written lab reports as a prerequisite for admission to the Regents exam.

Course: Earth and Space Science
Prerequisite: None **Credits: 1**
Earth Science at Franklin Academy high school is a full year regents lab class. The course focus is to develop a better understanding of the science behind earth and space systems. Topics of study focus primarily on geology, meteorology, and astronomy. Within each topic students explore the following content:
Geology - Earth's coordinates, mapping and isolines, minerals and rocks, plate tectonics, earth's history and geologic time, weathering and erosion, and landscape geology.
Meteorology - weather variables, weather systems, reading a weather map, weather forecasting and prediction, severe weather events, climate sciences, and global climate changes.
Astronomy - Earth's motion in space, seasons, incoming solar radiation and energy balances, the solar system, galaxies, and deep space.

Course: Biology
Prerequisite: None **Credits: 1**
This course is centered around the six themes of the New York State Living Environment core curriculum. These themes include (1) evolution, (2) energy, matter, and organization, (3) maintaining a dynamic equilibrium, (4) growth, reproduction, and development, (5) genetics and molecular biology, (6) interaction and interdependence

Course: Biology Honors
Prerequisite: Teacher recommendation **Credits: 1**
This course covers all the topic areas of Biology. In addition, there is in-depth coverage of biochemistry and molecular genetics.

Course: Environmental Science I - Fall Semester
Prerequisite: Successful completion of Earth Science and Biology **Credits: .5**
Environmental Science 1 provides an introduction to the study of the natural world and how these systems are interconnected. Over the Course of the fall semester topics including ecology, the biosphere, land, forests, soil, and water resources are covered.

Course: Environmental Science II - Spring Semester
Prerequisite: Successful Completion of Env. Sci. I **Credit: .5**
Environmental Science II provides a deeper exploration into the natural world and how it is influenced by human

activity. Topics include energy and resources, societies and policy, and culminating with a hands-on (and waders-on) study of the Salmon River.

Course: Bioethics I
Prerequisite: Passed two lab sciences courses and one Regents science exam. Credits: 1
This course is designed to confront the collision of personal morals, societal ethics, technology, and science. Students are introduced to the idea of debate vs. dialog, justice, creating logical arguments, and empathy for others. This course is designed to increase critical thinking skills, improve verbal and written skills, allow students to do research with a purpose, and to appreciate that ethical issues are disagreed on. Few issues in the "real world" are black and white.

Course: Advanced Bioethics II
Prerequisite: Completion of Bioethics I. Credits: .5
Fall: Advanced Bioethics will provide students with an in-depth understanding of moral philosophy and ethical frameworks for decision making. Students will focus on reviewing the Regional Case Set for the National High School Ethics Bowl, and will complete background research and group discussion necessary to prepare each case. In January, students will compete in the Goodchild regional Ethics Bowl at Saint Anselm College in Manchester, NH.

Spring: After the Ethics Bowl event, we will debrief the event or prepare for the national competition–depending on team performance. Additionally, students will complete a community needs survey and engage in a community service project aimed at addressing a need in the community.

Course: Forensic Science
Prerequisites: Pass Living Environment course and regents exam Credits: 1
The course is designed to provide the student with an overview of the methods and practices of forensic science, as well as to build the scientific background needed to understand how the investigation of a crime is carried out both forensically and from a law enforcement perspective. Students will be exposed to a variety of laboratory techniques used in forensic labs with hands-on opportunities where possible. Students will be encouraged to utilize a variety of electronic information searching methods. Students will develop writing and speaking skills while building on the capacity for inquiry and cooperation. When possible, forensic, law enforcement and legal professionals will be utilized in the classroom to enrich discussion. When possible, students will travel on-site to various facilities to observe law enforcement and forensic analysis in action.

Course: Regents Chemistry
Prerequisite: Successful completion of Living Environment and Earth Science Credits: 1
Material covered will include atomic structure, nuclear chemistry, Periodic Table, matter and energy, acids and bases, kinetics and equilibrium, oxidation and reduction, organic Chemistry and lab skills All students must meet Regents lab requirements and will take the Chemistry Regents Exam. The SAT II in Chemistry can be substituted for the Regents exam.

Course: Chemistry Honors
Prerequisite: Successful completion Living Environment & Earth Science Credits: 1

All topics listed in Regents Chemistry will be covered. All topics are covered in greater depth with emphasis on problem solving skills. All students must meetRegents lab requirements and will take the Chemistry Regents Exam. The SAT II in Chemistry can be substituted for the Regents exam.

Course: Chemistry B
Prerequisite: Passed Living Environment course. Credits: 1
This is a general chemistry course designed to introduce students to how chemistry is used in the "real" world. Students will be encouraged to learn through hands-on activities. A local final will be given. Students will not meet the Regents exam eligibility for chemistry by taking this course.

Course: Physics Honors
Prerequisite: Earth Science, Living Environment, Chemistry,Algebra, Geometry and Trigonometry Credits: 1
Honors Physics is a Core based physics program for highly motivated students. This course is an inquiry-based program designed to focus on student understanding mathematical relationships, processes, mechanisms, and the application of concepts. Students will be able to provide explanations in their own words, exhibiting creative problem solving, reasoning, and informed decision making. The course is an extension of the Physics A course including historical context, applications and scientific inquiry. A student completing Honors Physics is expected to take the Physics Regents Exam.
Course: North Country College Physics 101
Prerequisite: Earth Science, Living Environment, Chemistry,Algebra, Geometry and Trigonometry Credits: 1
An algebra-based course in the basic principles of classic and modern physics which allows students to investigate and understand the workings of the physical universe from atoms & molecules to stars & galaxies. Course topics will include discussions of motion and waves in sound and light, optical principles, electricity & magnetism, atomic nuclear reactions and the theories of relativity. A lecture and laboratory course designed for Liberal Arts math/science majors including those intent on transfer to a 4-year program and for students in select technical programs.

Course: AP Biology
Prerequisites: 11th or 12th grader. Successful completion of chemistry Credit: 1
This course provides students with a broad overview of the philosophical foundations and scope of organism-scale biological science. Students will become familiar with much of the great diversity of live on Earth, the fundamental principles of animal and plant anatomy, physiology, reproduction, and development.

SOCIAL STUDIES

Course: Global History & Geography 9 (Honors)
Prerequisite: None (teacher recommendation encouraged) Credits: 1
Global History and Geography Honors is a rigorous two-year comprehensive course covering the culture and history of the world with the exception of the United States. The course is set up to provide honor students with the opportunity to study other nations and their cultures within a framework that is designed to develop a global perspective. Our goal is to cultivate in students' knowledge, skills, and attitudes needed to function effectively in

a world characterized by ethnic diversity and increasing independence. The course is reading and writing intensive with multiple projects assigned.

A chronological order of the following areas of study are included as part of the 9th grade level of study from early civilization to early modern times (circa 1500)

Culture- General Concepts	Indian Subcontinent	The Middle East
China	Africa	Japan
Latin America	Southeast Asia	Europe

This course is designed to prepare the student for the United States History College available during the Junior Year.

Course: Global History & Geography 9
Prerequisite: None **Credits: 1**

Global History and Geography is a two year comprehensive course covering the culture and history of the world with the exception of the United States. The course is set up to provide students with the opportunity to study other nations and their cultures within the framework that is designed to develop a global perspective. Our goal is to cultivate in students knowledge, skills, and attitudes needed to function effectively in a world characterized by ethnic diversity and increasing independence. The B level course contains methods and strategies that are geared toward helping to meet the needs of those students who may have difficulty with more traditional classroom teaching styles.

Course: Global History & Geography 10 (Honors)
Prerequisite: None (teacher recommendation encouraged) **Credits: 1**

Global History and Geography is a rigorous two year comprehensive course covering the culture, history, and geography of the world with the exception of the United States. The course is set up to provide honor students with the opportunity to study other nations and their cultures within the framework that is designed to develop a global perspective. Our goal is to cultivate in students knowledge, skills and attitudes needed to function effectively in a world characterized by ethnic diversity and increasing interdependence. The material covered begins with 1500 A.D. to the present day. Class assignments are reading and writing intensive. Students will need to think and reason analytically.The student will be required to pass a Regents Exam. This course is also designed to prepare students for the United States History College available during their Junior Year of high school.

Course: Global History & Geography 10
Prerequisite: Global History 9 **Credits: 1**

Global History and Geography is a two year comprehensive course covering the culture, history, and geography of the world with the exception of the United States. The course is set up to provide students with the opportunity to study other nations and their cultures within the framework that is designed to develop a global perspective. Our goal is to cultivate in students' knowledge, skills, and attitudes needed to function effectively in a world characterized by ethnic diversity and increasing independence. The material covered begins with 1500 A.D. to the present day. In June, the student will be required to pass a Regents Exam comprised equally of ninth and tenth grade material. The B level course contains methods and strategies that are aimed toward helping to meet the needs of those students who may have difficulty with more traditional classroom teaching skills.

Course: United States History & Government College
Prerequisite: None- Interest in upper level Social Studies **Credits: 1**

This course is a full-year introductory college level course in United States history on the period from the first explorations of the Americas to the present. The course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Students need to demonstrate self-discipline and motivation. The course is reading and writing intensive. In June, students are also required to pass a Regents Exam..

Course: United States History & Government
Prerequisite: Global History & Geography 9 & 10 **Credits: 1**
U.S. History and Government is a course designed to prepare students for life in our democratic society. The purpose of the curriculum is to show students how the Constitution is a "living" document and how it is relevant to everyday life. A chronological approach to American history is used as a vehicle to teach how the Constitution governs our behavior and influences the operation of government at all levels.

Course: Economics
Prerequisite: U.S. History **Credits: .5**
This is an introductory Micro and Macroeconomics theory and application course. The students learn basic theory from a textbook, and then through the use of supplemental article assignments and long-term projects, apply the theory to our everyday lives. General topics covered in the class include: supply and demand; market structure; economic growth; inflation and unemployment; economic enterprises; monetary and fiscal policy; money and banking. There is also a culminating project that consists of a research paper and an oral project.

Course: Participation in Government
Prerequisite: U.S. History **Credits: .5**
The Participation in Government (P.I.G.) course is designed to give students an understanding of how they can become active participants in the formal governmental process and their community. The course teaches students ways they can influence their government officials directly and indirectly. Also it shows them various forms of political activism that can be used to accomplish their political goals and agendas throughout life. The curriculum places a great deal of emphasis on the "civic responsibilities" that each citizen must accept if we are to maintain our democratic way of life. The course instructs how to identify public policy issues, how to analyze public policy issues, and how to prescribe public policy as a solution to a problem faced by local, state, national or international governments. The curriculum utilizes discussion and study of current public policy issues of community and issues of a criminal nature facing the United States.

Course: Participation in Government (NCCC credit)
Prerequisite: U.S. History **Credits: .5**
The Participation in Government (P.I.G.) course is designed to give students an understanding of how they can become active participants in the formal governmental process and their community. The course teaches students ways they can influence their government officials directly and indirectly. Also it shows them various forms of political activism that can be used to accomplish their political goals and agendas throughout life. The curriculum places a great deal of emphasis on the "civic responsibilities" that each citizen must accept if we are to maintain our democratic way of life. The course instructs how to identify public policy issues, how to analyze public policy issues, and how to prescribe public policy as a solution to a problem faced by local, state, national or international

governments. The curriculum utilizes discussion and study of current public policy issues of community and issues of a criminal nature facing the United States.

Course: AP Psychology (Distance Learning)
Prerequisite: 11th or 12th graders **Credits: 1**
The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

Course: Sociology (SUNY Potsdam credit)
Perquisite: 11th/12th graders **Credit: 1**
Sociology is the study of human society and social behavior. In this course, we will first discuss the sociological perspective and research methods sociologists use to examine society. We will study the social interactions of everyday life, social organizations and institutions, and social change. Key topics we will examine are race, class, gender, culture, crime, education, family, religion, health, and globalization.

TECHNOLOGY

Basic Programming
Prerequisite: **Credits: 1**
This is a full-year course in computer programming using the C++ computer language. This is an entry level programming course designed to teach students the basics of program design, coding and testing.
Topics covered include program structure, data types, arrays, expressions, conditions, functions and subroutines, classes, file input/output, object-oriented program design, and debugging techniques. Students will develop solutions and create programs to solve problems.

Course: Drawing and Design for Production
Prerequisite: None **Credits: 1**
A course that encourages visual problem solving, using common graphic language to describe forms in the man-made environment. Topics include elements of design and the application of drafting and design techniques to solve practical problems. This course satisfies the graduation requirement of 1 unit of Art/Music.

Course: Computer Aided Drafting and Design (CADD 1)
Prerequisite: None **Credits: .5**
CADD programs have many uses including the creation of technical drawings, 2D and 3D models, the generation of mass properties data. CADD designs may be modified quickly to try “what if” solutions to design problems. In the CADD course, students will learn to create technical drawings, models, and assemblies with an industrial quality CADD program. Most technical schools and colleges are changing their basic drawing courses to be computer

drawing courses.

Course: Computer Aided Manufacturing (CADD 2)
Prerequisite: CADD **Credits: .5**
In this course, students will create CADD designs then produce physical models. The students will use computer-controlled machines, such as 3D printers, CNC lathes and mills to fabricate their models. Topics include measuring with precision, tolerance, elements of design, basic machine operation, industrial automation, computer numeric control programming, and CNC machine operation.

Course: Computer Graphics and Animation 1
Prerequisite: None **Credits: .5**
This course is designed to introduce students to a variety of 2D computer graphic applications. Topics include image creation using bitmap and vector graphics editors, image processing, cel animation, key frame animation, video processing and special effects. Typical activities will include free-hand sketching, drawing with shapes, creating cartoons, modifying photographs, and producing an animated music video.

Course: Computer Graphics and Animation 2
Prerequisite:Computer Graphics and Animation 1 **Credits: .5**
The focus of this course is on 3D computer graphic design. Students will use a 3D modeling program to create realistic objects and scenes. The students will create a 3D rendered video for a final project.

Course: Materials Processing
Prerequisite: None **Credits: .5**
This course is designed to introduce the student to a variety of methods for processing material resources to make them more useful and to satisfy human needs and wants. The activities of this course are organized around five major families of processes: casting and molding, forming, separating, conditioning, and assembling. Properties of various materials will also be studied to see what they can and can not do. This course includes instruction and safety procedures on how to operate all shop equipment. Safety is given a priority.

Course: Transportation Systems
Prerequisite:None **Credits: .5**:
An overview of aerospace, land and marine transportation systems from the wheel to the space shuttle and beyond. Students will become aware of the impact each new system has on our everyday need to commute from place to place. How we maintain and control various systems will also be explored.

Course: Construction Systems

Prerequisite: None **Credits: .5**
This course provides instruction in construction (on-site building) methods used in the production industries. Activities might include: Model construction and possibly the construction of a small shed. It will also include some basic electrical wiring for switches and plug-ins plus some basic plumbing using copper and plastic pipe.

Course: Manufacturing Systems
Prerequisite: None **Credits: .5**
This course provides instruction in the production of goods/services in a factory setting. Instruction is centered around the activities in five different areas: Research and Development, Production, Marketing, Industrial Relations, and Finance and Control. Typical activities involve: Forming a company, Designing and mass-producing a product.

Course: Robotics 1
Prerequisite: Successful completion of Algebra **Credits: .5**
Students will learn the fundamentals of electricity and electronics as applied to robotic systems. Students will use sensors and motors to control a robotic vehicle. Topics include analog and digital circuits, sensors, effectors, indicators, microcontrollers, and robots.

Course: Robotics 2
Prerequisite: Robotics 1 **Credits: .5**
Students will use the skills and knowledge from the Robotics 1 course to design and build their own robotic device or vehicle. Topics include servomotors, circuit board design and fabrication, 3D CAD modeling, computer programming, and systems integration. The students will design a robotic device/vehicle in a 3D modeling program, design and create the electronic circuit board to control the robot, and then they will use the shop tools, computer controlled machines, and 3D printers to fabricate the parts for their design.

Course: The World of Technology
Prerequisite: None (Suggested one year of High School Math.) **Credit: 1**
The World of Technology will provide students with opportunities to develop an Understanding of technology in the past, present and future. Through design-build and test activities students will model solutions to real life problems. Emphasis will be placed on MST Learning Standard 5 "Technology in a learner centered, laboratory based environment where students engage in processing materials, energy and information. Students will be provided with opportunities to reach high levels of learning, explore their abilities at innovation, and apply concepts of mathematics, science and other disciplines. This course will fulfill the requirement of a 3rd year of Math or Science.

NEW VISION PROGRAMS-BOCES

Dual enrollment college credit courses are a part of all 4 programs

Course: Health Care Careers **Credits: 4**

Prerequisite: 12th grade students who have an interest in pursuing a health/medical major in college. Students must have completed three years of Math and three years of science (including Living Environment and Chemistry. In addition, they must be recommended by their guidance counselor or the principal.

The New Vision concept will place students who have any interest in an allied Health career into a structured half day credit bearing program at Alice Hyde Medical Center. Students will have an opportunity to shadow every possible health related career that exists at our local hospital. Over 50 different shadowing experiences are available to the student. Students will spend at least half a day at the Alice Hyde Medical Center. Participants will take English 12, Anatomy And Physiology, Economics/Government and the Health Career Exploration Experience.

Course: Law and Government **Credits: 4**

Prerequisite: 12th grade students who plan on pursuing a post-secondary education in a legal field (lawyer, law enforcement, Department of Social Services). Students must have three math and three science credits. In addition, they must be recommended by their guidance counselor or the principal.

The New Vision Law and government program will place students in a half day credit bearing program at the courthouse and other appropriate agencies in the Malone area. Students will have the opportunity to shadow a wide variety of careers. Participates will take English 12, Government, Economics, Political Science and a Law and Government Exploration Class while at New Vision.

Course: **Education** **Credits: 4**

12th grade students will be introduced to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. This course typically exposes students to and trains them in classroom management, student behaviors, leadership and human relations skills, assessment of students' progress, teaching strategies, and various career opportunities in the field of education.

New *Y*ork State Training that will apply to education certification that will be offered to these students are CPR and First Aid, Child Abuse and Maltreatment Mandated Reporter Training, Safe School Training, Dignity for All Students Training, Substitute Teacher Training, Youth Mental Health Training.

Career and Technical Education-BOCES

Students attend half day at Franklin Academy and the other half at the North Franklin Educational Center or Salmon River satellite campus. These are 2 year programs starting in junior year. Students earn a half credit each year of Technical English, Math, and Science in addition to 2.5 elective credits.

Automotive Technology

The Automotive Technology course is a training program that focuses on the inspection, diagnosis, repair, maintenance and adjustment of cars and light trucks. The student will develop a broad understanding of the scientific principles underlying the function of the various systems found in today's vehicles. Theory and practical work are provided in areas ranging from lubrication systems to engine analyzers and wheel alignment. Student and community members' cars are used to develop skillful use of all tools and equipment found in the automotive trade.

Building Trades
Building Trades is composed of several modules of instruction including basic construction, siding, roofing, and masonry. Students learn to frame a building, do estimating, layout, apply siding, gather systems and form moldings. There is also an introduction to "trowel trade", concrete and block work. Practical experience is gained on small projects completed in the classroom and on job sites building homes. Work continues on outdoor projects throughout the year regardless of the weather.

Culinary Arts
Culinary Arts is a program of training in preparing and serving food with "hands-on" and short-order cooking are emphasized. The major areas of instruction include the preparation of meats, poultry, fish, salads, sandwiches, desserts and bakery items.

Cosmetology
Cosmetology is a two-year program which offers instruction and practical experience in the skills and theory necessary to be employed as a hairdresser. This includes care of hair, skin, nails and all related services offered in a beauty salon. Equipment used in the cosmetology laboratory is equivalent to that found in a modern shop. Students must fulfill the requirement of one thousand instructional hours. To achieve this the student must have exceptional attendance. The successful completion of the program qualifies the students to take the New York Cosmetology Licensing Examination.

Early Childhood Education
The course will provide the student with a knowledge base and practical experience in Child Development for application to his or her present role as a family member, as a future parent, and particularly in a career. The students will explore how to help all children, prenatal through school age, establish optimal physical, emotional, social and cognitive foundations. The student will have the opportunity to interact with children in a pre-school or kindergarten classroom several days a week.

Electrical Trades
Electrical trades is a program providing classroom instruction and on-site activities in the installation, troubleshooting and repair of residential, commercial and industrial electrical wiring systems. Training is given in the installation and maintenance of motors, generators and control equipment used in homes, office, stores and factories.

Health Occupations
Health Occupations is a program providing basic entry level skills in the health care field. Students will receive American Heart Association certification in CPR,

AED, and First Aid. The first year students focus on the theory and clinical skills to become a Certified Nurse's Aide. The successful completion of the first year qualifies the student to take the New York State Nurse Aide Exam. The second year students expand their opportunities in the health care field by Focusing on maternity, Alzheimer's, EKG, and Phlebotomy. After the successful completion of the EKG and Phlebotomy units students are eligible to take the National EKG and Phlebotomy certification exams.

Heating Ventilation and Air Conditioning (HVAC)-(Salmon River)
Students who enter the HVAC program will be exposed to entry level skills in heating Ventilation and air conditioning. The entire offering will encompass two years of study. The first year focuses on safety, tools, blue print reading, pipefitting and piping practices, soldering and brazing, sheet metal and duct fabrication, design and installation of heating and cooling systems, gas and oil furnaces and burners, boilers and radiant-in-floor heating systems, basic electricity, control circuits, customer relations, employability and job seeking skills. The second year will focus on refrigeration systems, air conditioning systems, motors, motor controls, electromagnetic controls, plumbing tools, water distribution systems, plumbing drainage and venting, fixtures and faucets, commercial plumbing, and blueprint reading.

Heavy Equipment Operation
Heavy equipment Operation & Repair is a program emphasizing the basic heavy equipment operation. The program includes theory and "hands-on" experience in the areas of preventative maintenance, reconditioning, and troubleshooting heavy equipment track and rubber-tired vehicles, as well as their operation.

Welding- (Salmon River)
Students entering the Welding Technology Program will be eligible for multiple certifications; encompassing two years of study. The first year focuses on safety, surface preparation, tool usage, blueprint reading, metallurgy, oxy fuel gas welding, employability skills, plasma arc cutting, gas tungsten arc welding, gas metal arc welding, shielded metal arc welding, flux core arc welding, metal fabrication, artistic design, budgeting, and personal professional development. The second year of study will prepare students through hands-on fieldwork through an integrated advanced curriculum for several certifications in the field of Welding Technology and Metalworking.