

CURRICULUM HANDBOOK

A MESSAGE TO OUR STUDENTS

This Curriculum and Course Planning Guide has been prepared to provide a general overview of the courses and graduation requirements at West Seneca West and West Seneca East Senior High Schools. We are confident this will assist you and your parents when you meet with your School Counselor to develop a program of study which best meets your needs and interests. Additional information on all of our courses can be obtained by contacting your counselor. We would also suggest you seek out the appropriate teachers in order to obtain more information about specific courses. Keep in mind that the only bad question is the one not asked. Strive to become all that you can be, and take full advantage of our curriculum offerings. We hope that this guide will assist you in developing your potential to the fullest while attending West and East Seneca High Schools.

Angela LaPaglia, East Senior Principal
Jon T. MacSwan, West Senior Principal



WEST SENECA CENTRAL SCHOOLS MISSION STATEMENT

The mission of the West Seneca Central School District is to provide a diversified educational program which will produce literate, caring, ethical, responsible, and productive citizens who are capable of adapting to change.

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REPORT OF GRADES

Students are graded numerically four times during the school year. Report cards will be issued at the end of the 10th, 20th, 30th and 40th week of school. All report cards are mailed directly to the student's home. Report of grades is a summary of achievement. Sixty-five (65%) is the minimum passing grade. Individual teacher comments will be on the report card. Parents are invited to confer with the school at any time. Passing a Regents exam does not entitle a student to course credit. A student must achieve a final course average of 65% or higher to be awarded course credit.

The Honor Roll is based on quarterly averages.

- High Honor Roll • 93.00 - 100
- Honor Roll • 90.00 - 92.99
- Merit Roll • 85.00 - 89.99

Class of 2011 and thereafter:

The Honor Roll is based on quarterly averages.

- High Honor Roll • 95.00 - 100
- Honor Roll • 90.00 - 94.99
- Merit Roll • 85.00 - 89.99

Calculation of GPA/Rank

All class members eligible to graduate in June are included in the ranking computed at the end of the 6th semester. Students transferring into the district in their senior year are not ranked. All subjects except Physical Education are figured in the ranking. Subjects of 1/2 (Carnegie credit) are given a factor 1; 1 unit a factor of 2, 2 units a factor of 4, etc. A minimum value of 50 is used for failed subjects and a minimum of 65 is passing. The sum of the adjusted scores is divided by the number of scores. A weight of 1.02 (1.05 for the class of 2011 and thereafter) is used for Advanced Placement courses for class rank only. If a student repeats a subject, the highest grade is used. If a student retakes a Regents exam in August of the same school year, the higher score will be used to recalculate the final course average. Exam scores are 20% of the final course average. In courses where Regents exams are given, the exam grade is used if it is higher than the final grade for the course.

EARLY RELEASE POLICY

The administration, faculty and staff of East/West Senior encourage all students to take full advantage of the courses and programs offered during their four years. The State Education Department has established guidelines concerning the school day and the early release of students to participate in activities that are properly supervised. In view of this, the following procedures regarding early release have been established:

1. All students, grades 9-12, must carry a minimum course load of six (6) credits, plus physical education, each year.
2. Only Seniors are eligible for an Early Release.

PROGRESS REPORTS

A Progress report will be mailed at the end of the 5th, 15th, 25th and 35th week of school to advise parents of their son/daughter's progress in school. These reports are designed to make parents aware of their child's academic growth. Parents are invited to confer with a counselor or teacher at any time.

ADVANCED PLACEMENT COURSES

Several academic courses prepare students to take the Advanced Placement Examination that is given in May of each year. These courses are designed for students who wish to be eligible to earn college credit while still enrolled in high school. Successful completion of the course along with satisfactory results on the AP examination can earn credit that will be accepted by colleges. All students enrolled in Advanced Placement courses are expected to take the Advanced Placement examination in May.

Because AP courses have the same difficulty level as that of first year college offerings, it is recommended that students considering Advanced Placement have a sound academic background, the recommendation of the teacher, and a willingness to work diligently.

The selection criteria for assessing a student's eligibility for enrollment in Advanced Placement courses may include scores on Regents Exams; scores on PSAT, PLAN and other standardized tests; teacher comments from all classes; report card grades from all courses; and the student's attendance record.

Prospective AP students and their parents should realize that these courses are quite challenging, and require more time and effort in the areas of preparation and study. Enrollment in AP classes means that the students are willing to make a serious commitment throughout the school year.

SPECIAL EDUCATION PROGRAMS

A full continuum of Special Education services is offered at both High Schools.

EAST/WEST SENIOR LIBRARY MEDIA CENTER

Each Library Media Center supports and enriches the curriculum and provides materials that will meet the personal and informational needs of the users, while taking into consideration their varied interests, abilities and learning styles. The Media Center serves as a link to information sources outside the district, and provides training in the use of a wide range of information sources valuable to students as lifelong learners.

The Library Media Centers' collections each contain over 14 thousand books, over 60 magazine subscriptions, and a variety of audiovisual materials including books on tape. The Media Centers' computers serve as an electronic doorway giving students access to a variety of electronic resources including on-line databases, the Internet, an online catalog and a Smart Board. Other equipment available includes: a scanner, digital cameras, a photocopier and digital video equipment.

The Library Media Center web page was created to facilitate student and staff searching. Database links are available on the LMC page allowing quick access to the subscriptions the district has purchased. The LMC web links have been previewed and added to provide students with good, sound information that will best meet their information needs.

Instruction on effective techniques, research strategies and bibliographic citation is provided by the library media specialist. Students are also assisted in locating reading materials through booktalks and recommendations by the media specialist. The Media Center serves as a vital resource to students and staff through its print and electronic resources and acts as a gateway to resources outside the district through online databases, the Internet and interlibrary loan.

STUDENT SERVICES DEPARTMENT

The West Seneca East/West Student Services Department, which includes the School Counselors, Psychologists and Social Workers, work with the school community to help students maximize their high school experience. Student Services coordinate a number of programs available to all students and their parents, including support groups, parent-teacher conferences, career awareness programs, college applications and scholarship information, student orientations, academic counseling and course scheduling.

SCHOOL RESOURCE OFFICER

The School Resource Officer (SRO) Program places a uniformed officer in each of the high schools in an effort to create and maintain a safe learning environment. The SRO's first duty is that of a sworn police officer, investigating crimes and activities associated with criminal behavior. However, SRO's are not "security guards," but rather "police officers at school" who promote a positive image through interaction with students, parents, teachers and administrators. The officers take a proactive approach with the schools to identify youth at risk, try to intervene with appropriate action plans, build healthy and trusting relationships and encourage a forward looking approach to deal with the pressures today's young people face.

STUDENT SUPPORT

Adolescence can be an exciting time for new experiences. It can also be a time of stress and challenge both at school and at home. East/West Senior offers a variety of resources to help students during this unique period. The School Counselors, Social Workers, and School Psychologists are available to meet with students on an individual basis. In addition, student support groups are offered, focusing on self-esteem, bereavement, discipline problems, substance use and abuse, and teen issues.

HOME-SCHOOL COMMUNICATION

Parent-Teacher conferences are also an integral part of the Student Services Department's program. These conferences help to establish, improve and maintain communication between the school, the students and their parents. Any parent who is interested in scheduling a conference, with either the teacher or counselor, should contact their student's counselor.

CAREER GUIDANCE

Good planning and preparation are the keys to a successful future. The academic courses offered at East/West Senior help develop the skills that will open the doors to a successful career. Student Services provides a number of computer programs designed to help our students with career interest inventories, the college search process, finding sources for financial aid and matching their aptitudes, abilities and interests with appropriate career areas. These programs are available to students in Student Services and in the various computer labs throughout the building. They are also available in the school's Library Media Center.

SCHOOL-TO-SCHOOL/SCHOOL-TO-CAREER

Counselors also work very closely with upperclassmen on college and career plans. Programs related to college application process and financial aids are sponsored annually by Student Services. Scholarship information is publicized through homeroom bulletins, announcements, and via the Internet.

The counselors meet with each student at least once a year to review the student's academic progress and to make plans for the following year. This process is further explained in the section that focuses on the "Course Selection Process".

COURSE SELECTION PROCESS

STEP ONE - Review Curriculum Guide And Course Offerings

Students will read through the Curriculum Guide and give special attention to information about graduation requirements. In planning a program, please keep in mind that all 9th, 10th, 11th and 12th grade students are required to take a minimum of 6 units of credit plus physical education. A student should select courses that will help prepare them for their future career goals. Selections should be checked carefully to see if the prerequisites for courses of interest are met. Information about class rank and Advanced Placement courses may be of special interest to those planning to attend college.

STEP TWO - Orientation Of Courses

Before scheduling an annual review with a counselor, there will be an opportunity to become familiar with all course offerings through a series of grade level orientation programs. Students will be given a planning sheet for parents and students to use when planning their course selection for the following year.

STEP THREE - The Annual Review

The counselor will send the students a pass in homeroom for an appointment. During the annual review, the student's academic achievement and career interests will be discussed, the four year plan will be reviewed and adjusted as necessary and a tentative list of courses will be developed based on teacher/counselor recommendations and student interests. This Program Planning sheet will be sent home for parent/guardian approval.

STEP FOUR - Parent/Guardian Approval

When the Program Planning Sheet reaches home, parent/guardians and students should take time to discuss the courses and how they fit into the student's future plans. Parent/guardians must then sign the bottom of the Program Planning sheet and the student should return it to their School Counselor. If parents or guardians have any questions or wish to make any changes, they should call the counselor. If no contact with the counselor is made, it is assumed that the parents or guardians approve of the proposed schedule for next year. At this point, the student's course selections for next year are final, and there will be no further schedule changes as of June 1st.

GRADUATION REQUIREMENTS

Graduation Class is determined by when the student enters 9th grade.

TOTAL UNITS

Regents Endorsement & Regents Diploma with an advanced designation 22 units

CORE REQUIREMENTS

English 4 units

Social Studies 4 units

Math 3 units

Science 3 units

Health ½ unit

Art/Music 1 unit

Physical Education 2 units

Language Other Than English (LOTE)..... 1-3 units

Career and Financial Management (class of 2012 and thereafter) ½ unit

Regents with an Advanced Designation Diploma

Regents Diploma

Math A or Algebra	Math A or Algebra
Math B or Geometry	
Algebra II/Trigonometry	
Earth Science, Chemistry or Physics	Earth Science or Living Environment/Biology
Living Environment/Biology	
Global History	Global History
U.S. History	U.S. History
English Language Arts (ELA)	English Language Arts (ELA)
Language Other Than English (LOTE)	

Students must pass Regents exams with a grade of 65%.

- Students must have 1 unit in LOTE, which can be earned by passing a proficiency examination and passing a Level 1 credit bearing course.
- Those students working toward a Regents diploma with advanced designation will need three units of credit and successful completion of the comprehensive regents exam in LOTE.

Students acquiring 5 units in Career & Technical Education or Arts may bypass the 3-unit requirement in LOTE.

- New York State Science requirement for a:
 - Regents Diploma:
 - Pass one Regents exam in a Regents level course.
 - Regents Diploma with an advanced designation:
 - Pass two Regents exams - (1) Living, (1) Physical

TYPES OF DIPLOMAS

Students may earn one of two types of diplomas.

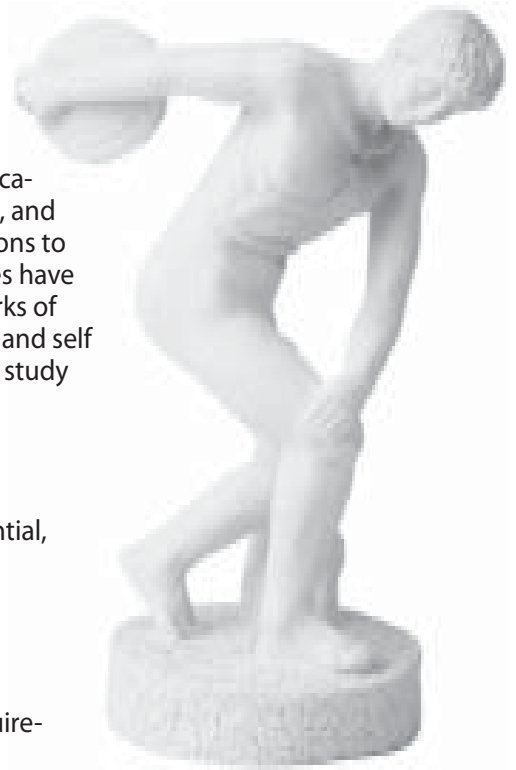
1. Regents Diploma
 - also Regents Diploma with honors
2. Regents Diploma with an advanced designation
 - also Regents Diploma with advanced designation with honors

To earn a diploma with honors, a student must achieve an average of 90% in all Regents examinations required.

Students successfully completing an Occupational Education program may be eligible for a Career and Technical Endorsement (CTE) on their Regents or Advanced Designation Regents diploma

ART

• ACADEMY OF VISUAL ARTS



The Discipline Based Art Education is an approach which broadens art education by integrating ideas and skills from art production, art history, art criticism, and aesthetics. Some students will prepare a portfolio for scholarships and admissions to colleges and art and design schools. Some will find their high school art courses have laid a foundation for a life long interest in art. By producing and examining works of art, students will engage in application of concepts, invention, critical thinking and self expression. It is the art program's plan to provide all students with a sequential study in the visual arts.

Our program goals are the following;

- develop a cumulative portfolio of art work that will reflect on the student's development
- enable students to develop their aesthetic sensitivity, creative potential, and self esteem
- enable students to develop the necessary skills, knowledge, and attitudes for realizing their artistic potential
- stimulate positive attitudes toward art and artists in the students, school and the community at large
- Studio in Art can be used by any student to fulfill the Art/Music requirement

COURSE OFFERINGS

Course	Credit	Length	Type of Exam
Studio in Art.....	1 Unit.....	40 Weeks.....	Local
Studio in Drawing & Painting.....	1 Unit.....	40 Weeks.....	Local
Enriched Studio in Drawing & Painting.....	1 Unit.....	40 Weeks.....	Local
Art Portfolio Development.....	1 Unit.....	40 Weeks.....	Local
Advanced Placement Studio.....	1 Unit.....	40 Weeks.....	AP
Studio in Art Photography I.....	1/2 Unit.....	20 Weeks.....	Local
Studio in Sculpture - Traditional.....	1/2 Unit.....	20 Weeks.....	Local
Ceramics I.....	1/2 Unit.....	20 Weeks.....	Local
Studio in Computer Graphic Art.....	1/2 Unit.....	20 Weeks.....	Local
Graphic Design and Visual Communications.....	1 Unit.....	40 Weeks.....	Local
East Senior			
Studio in Art Photography II.....	1/2 Unit.....	20 Weeks.....	Local
Studio in Fashion Design and Illustration.....	1/2 Unit.....	20 Weeks.....	Local
West Senior			
Computer Graphics II.....	1/2 Unit.....	20 Weeks.....	Local
Ceramics II.....	1/2 Unit.....	20 Weeks.....	Local

STUDIO IN ART

Credit: 1 Unit

Length: 40 Weeks

This course is an introductory course required for students who are pursuing a sequence in art, and for those who plan to elect to take an advanced course in the future. Development of skills in drawing, painting, design and the use of many different art materials will be stressed. Students will be exposed to the lives and the works of artists from history to the present. Various careers in art will be investigated. Course work must be maintained in a portfolio for final assessment in June. (Meets Art/Music requirement).

STUDIO IN DRAWING AND PAINTING

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Studio in Art

This course has been developed to provide an avenue of creative expression for those students who are serious about improving their rendering skills and painting techniques. Design, color theory, in depth study of landscape, still life, figure drawing, portraiture and fantasy are used as subject matter for studio work. In addition to creating unique personal artworks, students will explore historical and contemporary art movements and trends.

STUDIO IN DRAWING AND PAINTING ENRICHED/ACADEMY

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Studio in Art, acceptance into Academy of Visual Art

This course is an enriched art elective taken only by students accepted into the Academy of Visual Art. Coursework will correlate to the experiences in Studio in Drawing and Painting with the addition of enriching activities. These will include field trips, local college visitations, guest speakers, more rigorous studio art experiences. Finished projects will be incorporated into the student's Academy of Visual Art Portfolio.

STUDIO IN SCULPTURE I – TRADITIONAL

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Studio in Art

This semester course allows students to explore three-dimensional media and encounter historical figures and cultures that have had an impact on the development of sculpture as an art form. The emphasis of this course will be on producing works of additive, subtractive, and constructive methods of sculpture in both relief and in-the-round.

ART PORTFOLIO DEVELOPMENT

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Studio in Art, Drawing & Painting

Art Portfolio Development is for the serious art major. The year will concentrate on developing a professional art portfolio. Each person will have a portfolio ready to present for college admission at the end of the course. Observational drawing and experimental as well as abstract painting will be the main focus of the year. The final exam will consist of the finished portfolio, a resume, and artist statement.

ART PORTFOLIO DEVELOPMENT/ACADEMY

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Studio in Art, Drawing & Painting

This course is an enriched art elective taken only by students accepted into the Academy of Visual Art. Course work will correlate to the experiences in Art Portfolio Development with the addition of enriching activities. Some activity possibilities will include field trips, local college visitations, guest speakers, and more rigorous studio art experiences. The class will culminate with a portfolio adjudication.

ADVANCED PLACEMENT STUDIO

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Studio in Art, Drawing and Painting

The advanced Placement Studio Art Program enables a highly motivated student to do college level work while still in high school. AP Studio is not based on a written exam; instead candidates submit a portfolio of work for evaluation in May. The portfolio will consist of 24 slides of art work and five original art works. Because of the intensity and quantity of work required students must be willing to devote a considerable amount of time in and outside of school to be successful. There is an examination fee, slide fee and supplies will need to be purchased for this course.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

GRAPHIC DESIGN AND VISUAL COMMUNICATION

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Studio in Art, Studio in Drawing and Painting

Graphic Design is an advanced full year course in visual communication and design. This course is aimed at developing and applying technical skills, cultural awareness, and illustration to building an understanding of the role a graphic designer plays. Students will apply their understanding of design concepts to solve visual problems, produce illustrations and generate images suitable for printed media. Major topics of the course include ad layout, typography, communications and text design.

STUDIO IN ART PHOTOGRAPHY I

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Studio in Art

This is an advanced course, designed to help students to use a 35mm camera creatively, to consider photography as an art as well as a technical operation and a hobby, and to realize its potential as a possible vocation. Although the student must become familiar with the technical aspects, the ultimate emphasis will remain with photography as an art form.

The course covers the development, the nature and the function of photography. The student will directly be involved in the creative use of the camera and the various technical processes involved. Developing, printing, enlarging and other darkroom/digital techniques used in black and white photography will be learned in a studio situation. Students enrolling in this course will meet high standards of individual responsibility, self direction and creativity in a student-centered classroom.

STUDIO IN COMPUTER GRAPHIC ART

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Studio in Art

Computer Graphic Art is an exciting course making use of current computer technology to create artwork. Based on previously learned art concepts students will work in a Macintosh lab situation using software packages such as Adobe In-Design, Photoshop, Go Live and others. Each student will be required to produce a variety of computer generated works.

CERAMICS

Credit: 1/2 unit

Length: 20 weeks

Prerequisite: Studio in Art

This course will provide the student with an introduction to basic ceramic techniques and processes. Students will experience all aspects of the ceramic process from building, to firing, glazing and finishing. An emphasis will be placed on hand building techniques and student creativity in design. Projects will range from utilitarian to purely aesthetic art works.

East Senior

STUDIO IN ART PHOTOGRAPHY II (EAST)

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Studio in Art Photography I

An advanced course designed to be a continuation of Studio in Art Photography I. Emphasis will be on digital photography. Computer programs such as Adobe Photoshop, Adobe Illustrator, and iPhoto will be used.

STUDIO IN FASHION DESIGN AND ILLUSTRATION (EAST)

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Studio in Art

This is an advanced course aimed at developing students knowledge and understanding of the aesthetic principles and skills involved in fashion design and illustration.

The course covers the development of fashion design and fashion illustration, its function of enhancing the figure, and the processes involved in designing garments and preparing fashion illustrations for reproduction. Experiences similar to those found in fashion design studios and fashion advertising studios will be simulated in the classroom.

West Senior

CERAMICS II (WEST)

Credit: 1/2 unit

Length: 20 weeks

Prerequisite: successful completion of Ceramics 1

This course will provide the beginner ceramist with an opportunity to advance their skills learned in Ceramics 1. Students will further explore a variety of hand building techniques as well as begin to learn the potters wheel. Advanced Ceramics will shift the focus of student art works to a more creative design while still focusing on the craftsmanship and utility of the work.

COMPUTER GRAPHICS II (WEST)

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Studio in Art and Computer Graphics

This course is designed with the serious digital artist in mind. Students will have an opportunity to work with cutting edge computer hardware in conjunction with the graphics industry standard software, Adobe Photoshop. This class will involve the students in a variety of commercial and fine arts style projects designed to enhance their art skills.

CO-CURRICULAR CONNECTION:

Art Club

Art Club is a great extra curricular activity for the developing artist. Art Club is responsible for developing banners, posters, and advertisements for the most important school events. You can see their work at Homecoming, at home football games and various other events throughout the school year. Art Club has also begun to design and paint a variety of murals all over West. So if you are serious about your artwork, and would like to have it displayed around the school, then Art Club is for you.

ACADEMY OF VISUAL ARTS



The Academy of Visual Arts will be composed of students who demonstrate extraordinary ability and interest in the visual arts. The goal of the program is to provide students with a more mature understanding of visual concepts, enhance cultural awareness as well as develop the students' artistic abilities at a more sophisticated level. Students will have the opportunity to explore more challenging studio endeavors, participate in gallery and college visitations, be exposed to visiting artists as well as receive college credit upon successful completion of the Advanced Placement portfolio. Interested students enrolled in Studio in Art will be accepted into this enrichment program upon completing the application process and a portfolio review during their Freshman year.

The Academy is supported by an Advisory Board which currently includes the following companies, organizations and colleges:

- Arts in Education of Western New York • Chautauqua Institution • Burchfield • McGard, Inc • Brook Studio
- West Seneca Central Schools • Daemen College • Hallwalls Contemporary Art Center
- Buffalo State College • Buffalo and Erie County Public Library • Albright Knox Art Gallery

ACADEMY COURSE SEQUENCE

•FOUR YEAR PROGRAM •

Five Units of Credit Toward Graduation

Academy students are required to take the following electives in addition to their Regents courses.

NINTH GRADE

Studio in Art 1 Unit

TENTH GRADE

Enriched Drawing & Painting 1 Unit

Visual Art Elective 1/2 Unit

ELEVENTH GRADE

Art Portfolio Development 1 Unit

Visual Art Elective 1/2 Unit

TWELFTH GRADE

Advanced Placement Studio 1 Unit

FULL UNIT ELECTIVES

Graphic Design & Visual Communication

HALF UNIT ELECTIVES

- Ceramics I
- Ceramics II (West)
- Computer Graphics I
- Computer Graphics II (West)
- Fashion Design (East)
- Photography I
- Photography II (East)
- Sculpture I

Graduation - Certificate of Studies Visual Arts in addition to Regents Diploma or
Regents Diploma with an advanced designation

BUSINESS

- ACADEMY OF FINANCE
- ACADEMY OF INFORMATION TECHNOLOGY



Courses in business have a long history in American high schools. The courses have varied over time, but the goal of providing “realistic” and “relevant” instruction for students seeking business skills has not changed. Today, computer skills are vital for success.

The Business Department offers programs to students who are considering business as a career, to students who want a business education for personal use, and to those students who are planning to pursue a Business program in college.

The Business Department will provide the students with the knowledge and skills needed for employment in business and the ability to continue study beyond high school. It will also provide the student with the knowledge, attitudes and skills needed by everyone to function effectively in our economic system.

Students taking our courses will apply all of the standards they are expected to learn through their academic core subjects. The strong emphasis on application, the linkages with the business community and the high standards established for the business curriculum will help students reinforce and learn concepts included in their Regents program.

Courses taken in clusters afford students an opportunity for in-depth exploration of a business program. These clusters can also be used to meet articulation agreements which provide students with college credit. Currently the Business Department has agreements with: ECC, Villa Maria, Trocaire, Hilbert, D’Youville and Bryant and Stratton.

ELECTIVES OFFERING

Recommended Business and Marketing Courses:

Course	Credit
Accounting.....	1 Unit
Advanced Accounting.....	1 Unit
Business & Personal Law.....	1 Unit
Career & Financial Management	1/2 Unit
CMP-BEEP (Advance study college credit with ECC is available)	1/2 Unit
Computer Keyboarding.....	1/2 Unit
Cooperative Work Experience	1 Unit
Entrepreneurship	1 Unit
Financial Planning.....	1/2 Unit
Internet and Web Page Design	1/2 Unit
Keyboarding/Computer Applications	1 Unit
Marketing.....	1 Unit
Computer Applications (Advance study college credit with ECC is available)	1/2 Unit
Advanced Computer Applications	1/2 Unit

ACCOUNTING

Credit: 1 Unit

Length: 40 weeks

“Accounting is the language of business.”

This course is recommended for students considering a college major in business, as well as those with an interest in accounting as a career.

The first year accounting course provides a thorough background in the basic accounting procedures used to operate a business. Students will have a basic understanding of accounting procedures-payroll records, basic debits and credits, cash and special journals, worksheets, adjusting and closing entries, financial statements and checking accounts. The student is introduced to computerized accounting applications, such as, MicroSoft Excel and more.

ADVANCED ACCOUNTING

Credit: 1 Unit

Length: 40 weeks

Prerequisite: Accounting

“Research has proven that students who have successfully completed two years of high school accounting are more successful in their first year of college accounting than students without that background.”

The advanced course in accounting expands on topics learned in the first year course while adding new topics about management accounting, cost accounting, not-for-profit accounting, and financial analysis. Students will use the computer for automated accounting procedures, such as MicroSoft Excel and Quicken. Advanced accounting is an excellent background and preparation for pursuing college degrees in Business Administration and Accounting.

BUSINESS AND PERSONAL LAW

Credit: 1 Unit

Length: 40 Weeks

"Understanding the legal principles of society will be useful throughout your entire life."

Business and Personal Law has relevance for all students because it introduces the legal rights and obligations that govern individuals in our society. A rich mixture of personal and consumer law, combined with a strong foundation of business law, make the course especially relevant and useful in students' daily lives. Various topics for discussion include the basics of the law, contract law, law of sales, consumer law, agency and employment, business organizations, property law, wills and trusts, and other legal issues that will affect students as they make the transition into adulthood. A variety of techniques are used to enhance the course curriculum, including field trips, guest speakers, and mock trials.

CAREER & FINANCIAL MANAGEMENT

*Graduation requirement for the class of 2012 and thereafter

Credit: 1/2 Unit

Length: 20 Weeks

"Your place in the world of work will influence every aspect of your lifestyle.

Your job will be the main activity in your life for over 40 years."

What do you want to do to earn a living? Come and explore your options! You will identify your strengths and weaknesses, investigate career interest areas, and research different occupations. Examine job leads, prepare a resume, and learn job interview techniques. Students will begin work on their Business Education Employability Portfolio, an electronic portfolio.

Once your occupational goal has been identified, discussion will be focused on becoming an independent adult. Learn how to handle your finances including budgeting, banking, income tax preparation, credit and consumerism.

Don't waste time and money in college trying to determine your major. Plan your future now!!

CORPORATE MEDIA PRESENTATIONS/BUSINESS AND EDUCATION EMPLOYABILITY PORTFOLIO (CMP-BEEP)

Credit: 1/2 Unit

Length: 20 Weeks

"This portfolio allows you to leave high school with not only an edge on others in the world of work and college, but also with a sense of pride and a record of your accomplishments."

This hands-on course will introduce students to the application of multimedia technology in the workplace. The course will explore evolving technologies including electronic presentations, Internet exploration, and desktop publishing while highlighting the interpersonal skills vital to a successful career. The Business and Education Employability Portfolio, an electronic portfolio, will be compiled highlighting the student's exemplary work and extracurricular activities during high school. The student's career exploration, personal profile and academic records will also be included in the portfolio.

This portfolio can be used for college applications and interviews, for scholarship applications and for work force interviews. Students will also be assigned a free web site location for up to 4 years enabling the electronic transfer and viewing of their portfolio.

This portfolio is essential for all students. Upon completion of their portfolio can receive a college credit from ECC through the Advanced Studies Program. This credit can be used at any SUNY school. Qualifying students will receive a certificate from the Niagara Frontier Industry Education Council.

ADVANCED COMPUTER APPLICATIONS

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Keyboarding Computer Applications

The course will explore advanced word processing, spreadsheet, desktop publishing and multimedia technologies. State-of-the-art hardware including scanners and digital cameras will be used with the MicroSoft Office Suite to design professional, integrated documents and presentations.

Students will enhance the visual display and clarity of documents by learning to work with organizational flow charts, Word Art and advanced desktop publishing features. In addition, audio and video files will be created to add excitement to student presentations.

ENTREPRENEURSHIP/BUSINESS OWNERSHIP

Credit: 1 Unit

Length: 40 Weeks

It is the intent of Entrepreneurship to introduce students to the important role that entrepreneurship and small business play in our economic system. They will proceed with in-depth study of the various steps involved in starting a new business and the financial, legal and government aspects critical to a successful small business. This course includes two primary goals: career awareness and skill development. Exploring the generation and formulation of a business venture will also develop a student's overall knowledge of management and marketing skills. Personal application of these skills and knowledge is virtually unlimited as most careers within our economic system relate in some way to the business world. Students will develop a business plan which provides practical experience. Students will work individually and in teams. Students will actively participate in a school-based business.

FINANCIAL PLANNING

Credit: 1/2 Unit

Length: 20 Weeks

Do you want to be financially independent? Do you want to live your life without financial care? Financial Planning will help you achieve those goals. This semester course will provide students with the knowledge of the financial planning process and the components of saving and investing. Students will learn to set and reach financial goals by creating budgets, exploring various investment vehicles such as stocks, bonds, mutual funds and IRA's and planning for retirement. Students will also learn the facts about trading on-line, purchasing insurance and understand some basic concepts of investing including "buying low and selling high," "not putting all your eggs into one basket" and the "Rule of 72."

KEYBOARDING/COMPUTER APPLICATIONS

Credit: 1 Unit

Length: 40 Weeks

Computer skills are NOT a bonus anymore; they are an EXPECTATION in the workforce and college! This course is a necessity for all students. You will learn to touch keyboard-with eight fingers and without looking. Course emphasis is on word processing, spreadsheet and database applications utilizing Microsoft Office software.

We'll take the guesswork out of preparing manuscripts that your teachers and college professors require. Prospective employers will be impressed with your computer skills.



COMPUTER KEYBOARDING

Credit: 1/2 Unit Length: 20 weeks

"Keyboarding is a survival skill vital for the 21st Century."

Can you keyboard correctly? With speed? Without looking at your fingers? This one semester course is designed to reinforce "touch keyboarding techniques". Basic academic and workforce formatting applications-letters and reports-are also covered. Learn the proper way to keyboard-it will make your life both academically and on the job easier and productive.

INTERNET AND WEB PAGE DESIGN

Credit: 1/2 Unit Length: 20 Weeks

"The internet has put the information world at our fingertips!"

This course will help students gain a general understanding of the history of the Internet, protocols, Browsers, e-mail, HTML language and web page design. Students will learn how the world communicates electronically via e-mail and newsgroups, effective web searching techniques, and file transfer protocols. In addition, students will create their own personal web pages using state of the art software. Each student will plan, design and create professional Web pages. Advanced features including animation, marquees, video clips and sound clips will also be covered.

MARKETING

Credit: 1 Unit Length: 40 Weeks

This course will focus on marketing fundamentals and procedures, current case problems, the free enterprise system and business calculations. Problem solving, sales demonstration, and public speaking are featured. The goals of the course are achieved through hands-on activities, which include actual sales presentations, designing newspaper advertisements, preparing radio and television commercials, and designing visual merchandise displays. With the help of local merchants and with the use of the Sports Marketing software, students will use all acquired knowledge in a real world situation as owners of a fantasy sports team.

COOPERATIVE WORK EXPERIENCE

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Must be enrolled in a full year business course and 16 years of age.

"Choosing the kind of work you will do is one of the most important decisions you will ever make."

Planned on-the-job work experience and coordinated in-school instruction are the basis for this cooperative education program. Students enrolled in Business/Marketing education courses are eligible for participation in this supervised program. The Work Experience Coordinator will assist students in obtaining career related employment. Evaluations will be made by the employer, coordinator, work records, and conferences. Students will receive copies of their employer evaluation form. These forms can be used for resume or portfolio material. Students may earn up to two credits towards graduation.

COMPUTER APPLICATIONS

Credit: 1/2 Unit Length: 20 Weeks

"Today, being computer literate is as fundamental to success as having a college degree!"

Students enrolled in this course will receive the necessary skills to gain knowledge and understanding in using a word processor, database, spreadsheet and graphics. Microsoft Office, an integrated software package, will be explored. Integrated software is commonly used in personal, academic and career settings to complete routine tasks more quickly and accurately, thus improving efficiency and increasing productivity. Eleventh and twelfth graders can also receive ECC credit.

CO-CURRICULAR ACTIVITY

DECA

An Association of Marketing Students

Prerequisite: Must be enrolled in a Business Course
(9th Graders may join as freshman with special permission and not meet the prerequisite)

Students may join this co-curricular student organization to further develop their business skills through application. DECA is an international association of marketing and management students, and the role of DECA as a professional student organization is to provide students with opportunities to apply the skills and knowledge they learn in the classroom. DECA enables students to find themselves, to express a positive self-image, and to be self-reliant. It puts them on a path of opportunity that is clear and meaningful to them. Students learn how the business world functions.

Students will be involved in a variety of activities which include community projects as well as conferences and competitions. DECA is an effective way to develop leadership skills such as working together, establishing goals, decision-making, team building, problem solving and leadership skills. These skills will last a lifetime; they are useful in any career field situation, and are in great demand in the business world. Students also have access to numerous networking opportunities with members of the business community.

Web pages to visit for more information about DECA:

National DECA: www.deca.org

New York State: www.newyorkdeca.org

ACADEMY OF FINANCE

A Tech Prep Program



Students have an opportunity to join one of only 650 such Academies in the United States. This "school within a school" program is affiliated with the National Academy Foundation. Students enrolled in the Academy will receive a Regents diploma or Regents Diploma with an advanced designation along with an expanded certificate from the National Academy Foundation.

Students will achieve universal business skills and knowledge with a focus on the Financial Industry. Academy graduates will participate in a vast array of industry-sponsored activities including field trips, shadow days, classroom speakers, paid internships, and college credit for courses.

The Academy is supported by an Advisory Board, which currently includes the following companies, organizations and colleges:

Villa Maria College	Jackson Hewitt Tax Services	Mass Mutual
Hilbert College	MultiSource Funding	Federal Reserve Bank
West Seneca Central Schools	Canisius College	Primerica
Smith Barney	EGW Associates	Bryant & Stratton
M & T Bank	First Investors Corporation	The O'Neill Associates
UB School of Management	The Lawley Service Insurance Co.	First Niagara Bank
Consumer Credit Counseling	Ferraro & Hauser	Foresight Financial
AXA Advisors	Junior Achievement of WNY	WNY Federal Credit Union
Evans National Bank	Ticor Title Insurance	Northwest Savings Bank
Citigroup Global Transaction Svcs.	KeyBank	Citizens Bank
HSBC Bank USA	Financial Trust Federal Credit Union	Five Star Bank
SUNY Brockport-S. B. D. C.	Erie 1 BOCES/NFIEC	Luvata Buffalo, Inc.
Erie County Department of Public Works	Southgate Plaza	
Sgroi Financial, LLC	Center For Financial Training	

This three year program will require students to take the following electives in addition to their Regents courses. Interested students will be asked to apply during their freshman year.

ACADEMY COURSE SEQUENCE	
• THREE YEAR PROGRAM •	
NINTH GRADE	
Recruitment, application and selection of students	
Career and Financial Management.....	1/2 Unit
TENTH GRADE	
Keyboarding/Computer Applications/Academy.....	1 Unit
ELEVENTH GRADE	
Economics and the World of Finance*	1/2 Unit
College Accounting.....	1 Unit
Corporate Media Presentations/Academy.....	1/2 Unit
SUMMER INTERNSHIP - PAID	1/2 to 1 Unit
TWELFTH GRADE	
Financial Planning/Academy	1/2 Unit
Banking and Credit.....	1/2 Unit
Course at Local College**	

Graduation - Certificate of Financial Studies in addition to Regents Diploma or Regents Diploma with an advanced designation

*MEETS THE SOCIAL STUDIES ECONOMICS REQUIREMENT FOR GRADUATION

**MAY BE TAKEN ANY TIME DURING JUNIOR OR SENIOR YEARS

HILBERT ARTICULATION AND SCHOLARSHIP
All Finance Academy graduates are eligible to receive 6 college credits toward general electives for a 2 or 4 year degree program at Hilbert College. Academy graduates are also eligible for a non-competitive \$2,000 per year scholarship.

ECC ADVANCED STUDY PROGRAM
All Finance Academy students have the option of obtaining Advanced Study Credit for their BEEP portfolio.

ECC AND BRYANT AND STRATTON ARTICULATION
All Finance Academy students are eligible to receive up to 6 credits toward a diploma for business or computer majors.

BANKING AND CREDIT/ACADEMY

Credit: 1/2 Unit Length: 20 weeks

This is a one semester course presenting a survey of the principles and practices of banking and credit in the United States. The students learn about the major functions of banks and other depository institutions, their in-house operations and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. Students will conduct a sales presentation on a financial product upon learning the selling steps. The credit component provides an overview of credit functions and operations including credit risk evaluation, loan creation and debt collection.

COLLEGE ACCOUNTING/ACADEMY

Credit: 1 unit Length: 40 weeks

"Accounting is the language of business."

This course is recommended for students considering a college major in business, as well as those with an interest in accounting as a career. The first year accounting course provides a thorough background in the basic accounting procedures used to operate a business. Students will have a basic understanding of accounting procedures, payroll records, basic debits and credits, cash and special journals, worksheets, adjusting and closing entries, financial statements and checking accounts. The student is introduced to computerized accounting applications, such as, MicroSoft Excel and more.

CORPORATE MEDIA PRESENTATIONS/ BUSINESS AND EDUCATION EMPLOYABILITY PORTFOLIO (CMP-BEEP)/ACADEMY

Credit: 1/2 Unit Length: 20 Weeks

"This portfolio allows you to leave high school with not only an edge on others in the world of work and college, but also with a sense of pride and a record of your accomplishments."

This hands-on course will introduce students to the application of multimedia technology in the workplace. The course will explore evolving technologies including electronic presentations, Internet exploration, and desktop publishing while highlighting the interpersonal skills vital to a successful career. The Business and Education Employability Portfolio, an electronic portfolio, will be compiled highlighting the student's exemplary work and extracurricular activities during high school. The student's career exploration, personal profile and academic records will also be included in the portfolio.

This portfolio can be used for college applications and interviews, for scholarship applications and for work force interviews. Students will also be assigned a free web site location for up to 4 years enabling the electronic transfer and viewing of their portfolio. This portfolio is essential for all students. Students upon completion of their portfolio can receive a college credit from ECC through the Advanced Studies Program. This credit can be used at any SUNY school.

ECONOMICS AND THE WORLD OF FINANCE/ACADEMY

Credit: 1/2 unit Length: 20 weeks

A course in macro and micro-economics that provides an understanding of how our market economy functions in a global setting. It provides the students with a survey of economic concepts including all of the 22 basic principles recommended by the Joint Economic Council. In addition, a unit on capital markets acquaints the students with the role that various markets and securities play in our overall framework. (Meets Social Studies/Economic requirement.)

FINANCIAL PLANNING/ACADEMY

Credit: 1/2 unit Length: 20 weeks

Do you want to be financially independent? Do you want to live your life without financial care? Financial Planning will help you achieve those goals. This semester course will provide students with the knowledge of the financial planning process and the components of saving and investing. Students will learn to set and reach financial goals by creating budgets, exploring various investment vehicles such as stocks, bonds, mutual funds and IRA's and planning for retirement. Students will also learn the facts about trading on-line, purchasing insurance and understand some basic concepts of investing including "buying low and selling high," "not putting all your eggs into one basket" and the "Rule of 72."

KEYBOARDING/COMPUTER APPLICATIONS/ACADEMY

Credit: 1 Unit Length: 40 weeks

Computer skills are NOT a bonus anymore; they are an EXPECTATION in the workforce and college! This course is a necessity for all students. Course emphasis is on word processing and spreadsheet applications utilizing Microsoft Office software.

You will learn to touch keyboard-with eight fingers and without looking. We'll take the guesswork out of preparing manuscripts with footnotes that your English teachers and college professors require. Prospective employers will be impressed with your resume and business (cover) letters. Your science instructors will be amazed with your spreadsheet experience.

COLLEGE COURSE

Credit: 3 college credits

All Academy students MUST take and successfully pass a college course. College courses are offered every semester including summer to fit a student's schedule. Courses can be taken on-site at a West Seneca High School or off-site at the campus location. Courses usually are offered one day per week after school, evenings or Saturdays. All courses are tuition free requiring only a textbook expense. Currently courses are offered through the following college partners: Canisius, Bryant and Stratton, Hilbert, Trocaire, Villa Maria, Center for Financial Training and Dale Carnegie. Students may elect to take more than one college course.

INTERNSHIP

Credit: 1/2 to 1 unit Length: Varies

Students will be placed in paid internship situations with members of our Academy Advisory Board. Students will gain on-the-job experience while at the same time exploring career opportunities.

ACADEMY CO-CURRICULAR ACTIVITIES:

Evans Bank Branch

Through a unique partnership agreement with Evans National Bank, the West Seneca Finance Academy operates a student run branch. The first of its kind in Western New York, this project provides an opportunity for Academy students to apply their skills and knowledge in a real setting. The general student population and faculty and staff will have the option to open checking and savings accounts and conduct their banking business on site. Academy students receive 40 hours of teller training. Students working the bank will receive a certificate and 1/4 to 1 credit for an internship.

Stock Market Game

In this portfolio management simulation, teams of students construct a portfolio of stocks using a hypothetical \$100,000. Each team buys and sells from its portfolio with the objective of achieving an appreciation in the value. The teams that have the highest portfolio value at the conclusion of the simulation are awarded prizes.

DECA – An Association of Marketing, Management and Entrepreneurship Students

Students may join this co-curricular student organization to further develop their business skills through application. Students can attend conferences and compete for regional, state and national awards. Students also have access to numerous networking opportunities with members of our business community.



ACADEMY OF INFORMATION TECHNOLOGY



The Academy of Information Technology (AOIT) introduces students to the broad career opportunities in today's digital workforce and, in the process, equips them with the personal, analytical, technical and communications skills they need to thrive.

Despite a volatile economy, information technology is everywhere, and the need for education to bridge the digital divide is more critical than ever. A study conducted by the Information Technology Association of America showed nearly half a million unfilled IT jobs in the U.S. - and a persistent "skills gap" that was keeping these positions from being filled. The Academy of Information Technology helps meet this need by preparing high school students for successful careers in information technology. Through their Academy experience, students gain an understanding of the connections that exist between their education and the workplace. Academy teachers and industry mentors provide students with the curriculum and guidance necessary for rewarding careers. In particular, the Academy's focus on math and science emphasizes what's needed for a concentration in information technology. Interested students will be asked to apply during their freshman year.

The Academy is supported by an Advisory Board which currently includes the following companies, organizations and colleges:

Bureau Veritas•Paetek•Canisius College • West Seneca Central Schools• Evans National Bank • Bandwidth • M & T Bank
 Blue Cross BlueShield • Winc Communications • HSBC Bank • Hilbert College • Superior Promotions • Computers for Children, Inc
 Suchak Data Systems•Personal Computers, Inc. • Automated Computer Solutions•Erie 2 BOCES•Delaware North
 NAF Representative • Southgate Plaza •ECC South• Paetek Communications • Synchronet Industries, Inc. • UB School of Management
 Sgroi Financial, LLC • Bryant and Stratton • Superior Staff Resources, Inc

ACADEMY COURSE SEQUENCE	
• THREE YEAR PROGRAM •	
NINTH GRADE	
Recruitment, application and selection of students	
Career and Financial Management.....	1/2 Unit
TENTH GRADE	
Introduction to Information Technology/Computer Applications	1 Unit
ELEVENTH GRADE	
Internet and Web Page Design/Academy	1/2 Unit
Logic for Programming (Advanced Study College Credit with ECC Available).....	1/2 Unit
CMP/BEEP/Academy (Advanced Study College Credit with ECC Available).....	1/2 Unit
Database Management	1/2 Unit
SUMMER INTERNSHIP - PAID	1/2 to 1 Unit
TWELFTH GRADE	
Digital Media	1/2 Unit
Advanced Web Design	1/2 Unit
Local College Course.....	3 College Credits

Graduation - Certificate of Information Technology in addition to Regents Diploma or Regents Diploma with an advanced designation

ECC ADVANCED STUDY PROGRAM (SUNY CREDIT)

All Information Technology students have the option of obtaining Advanced Study Credit for their BEEP portfolio and Logic for Programming. Academy students may also take advantage of newly developed articulation agreements with ECC , Bryant and Stratton and Hilbert

INTERNET AND COMPUTING CORE CERTIFICATION

Students will receive Internet and Computing Core Certification from Certiport, which proves they have learned and demonstrated computer and Internet literacy required by a worldwide industry standard. To become IC³ certified, students will be prepared to pass the following three exams.

- Computing Fundamentals: Computer Hardware • Computer Software • Using an Operating System
- Living Online: Networks and the Internet • Electronic Mail using the Internet • The Impact of Computing and the Internet on Society
- Key Applications: Common Program Functions • Word Processing Functions • Spreadsheet Functions

Certiport is affiliated with the following partners:

- American Council on Education (ACE) • ACT • Center for Digital Literacy (CDL) • Computer Technology Industry Association (CompTIA)
- Global Digital Literacy Council (GDLC) • ICT Literacy Forum • International Society for Technology in Education (ISTE)

DATABASE MANAGEMENT

Credit: 1/2 Unit Length: 20 weeks

Did you ever wonder how answers could be at your fingertips instantly? In this course, students are introduced to the basic concepts of relational database engines and the tools to use them. Students will explore and utilize the concepts of tables, rows, indexes, constraints, triggers, SQL syntax, and storage. Database management and the importance of data relationships will also be emphasized.

DIGITAL MEDIA

Credit: 1/2 Unit Length: 20 weeks

Do you love to play games? Ever dream of creating your own computer game? In this course, students will integrate audio, video, graphics, text and animation tools while creating their own media. Students will also complete their electronic portfolio to be used for internships, college admissions, scholarship interviews and future use. Students will receive a free web address to house their portfolio through their college years.

INTERNET AND WEB PAGE DESIGN/ACADEMY

Credit: 1/2 Unit Length: 20 weeks

This course will help students gain a general understanding of the history of the Internet, protocols, browsers, e-mail, HTML language and web page design. Students will learn how the world communicates electronically via e-mail and newsgroups, effective web searching techniques, and file transfer protocols. In addition, students will create their own personal web pages using state of the art software. Each student will plan, design, and create professional web pages. Advanced features including animation, marquees, video clips and sound clips will be covered.

INTRODUCTION TO INFORMATION TECHNOLOGY/ COMPUTER APPLICATIONS

Credit: 1 Unit Length: 40 weeks

What impact has technology had on your life? Is your computer safe from "predators?" Are you considering a career in computer science? This course will examine the operation and management of business and society. Students will gain proficiency in word processing, database, spreadsheets, and desktop publishing using computer software such as Microsoft Office or other available software in a Windows environment.

LOGIC FOR PROGRAMMING

Credit: 1/2 Unit Length: 20 weeks

Why do programs work? Students will learn how to describe, analyze and solve programming problems. These skills will be acquired while learning the syntax of the Scheme programming language.

CORPORATE MEDIA PRESENTATIONS/ BUSINESS AND EDUCATION EMPLOYABILITY PORTFOLIO (CMP-BEEP)/ACADEMY

Credit: 1/2 Unit Length: 20 Weeks

See Page 15 for course description.

PAID INTERNSHIP

Credit: 1/2 to 1 Unit

Students will be placed in paid internship situations with members of our Academy Advisory Board. Students will gain on-the-job experience while at the same time exploring career opportunities.

COLLEGE COURSE

3 College Credits

All Academy students must take and successfully pass a college course. College courses are offered every semester including summer to fit a student's schedule. Courses can be taken on-site at a West Seneca High School or off-site at a campus location. Courses usually are offered one day per week after school, evenings or Saturdays. All courses are tuition-free.

ADVANCED WEB DESIGN

Credit: 1/2 Unit Length: 20 Weeks

Are you ready for more? Become a web master. Learn how Java and other tools will enhance your web design skills. Students will also have the opportunity to apply these skills working in conjunction with local businesses and organizations to design an actual web page.



ENGLISH

The English Department program is a developmental one whereby students individually progress and develop their skills. All courses, strategies, and units are based on the New York State English Language Arts Standards. Students will read, listen, write, and speak for information and understanding, literary response and expression, critical analysis and evaluation, and social interaction. Our students will become personally involved in a variety of language arts activities in a heterogeneous, supportive learning environment. All students must successfully pass the English Regents Exam to fulfill graduation requirements.

COURSE OFFERINGS

Core Courses	Credit	Length	Type of Exam
English 1	1 Unit	40 weeks	Local
English 2	1 Unit	40 weeks	Local
English 2 Enriched	1 Unit	40 weeks	Local
English 3	1 Unit	40 weeks	Regents
English 3 Enriched	1 Unit	40 weeks	Regents
English 4	1 Unit	40 weeks	Local
English 4 Enriched	1 Unit	40 weeks	Local
English AP	1 Unit	40 weeks	AP
Electives			
TV Broadcasting.....	1 Unit	40 weeks	Local
Creative Writing.....	1/2 Unit.....	20 weeks	Local
Journalism	1/2 Unit.....	20 weeks	Local
East Senior			
Theater Art in Action.....	1 Unit.....	40 weeks	Local
West Senior			
Public Speaking	1/2 Unit	20 weeks	Local
Drama.....	1/2 Unit.....	20 weeks	Local

ENGLISH 1

Credit: 1 Unit

Length: 40 weeks

This ninth grade English course is tailored to all ability levels and is designed to foster creativity in thinking and writing while further defining the fundamentals of language usage and imparting a sense of style in writing. It also intends to develop an awareness of literary genre with emphasis on critical reading skills. Techniques of oral communication are introduced, and the importance of good listening habits are stressed. The final assessment is a District exam.

ENGLISH 2

Credit: 1 Unit

Length: 40 weeks

This tenth grade course continues to stress the development of reading, writing, speaking and listening with an emphasis on the studying of literary genres and the fundamentals of critical reading and writing. The final assessment is a District exam.

ENGLISH 2 ENRICHED

Credit: 1 Unit

Length: 40 weeks

Prerequisite: Successful completion of English I in Middle School and teacher recommendation.

This course for accelerated freshmen continues the development of reading and writing skills learned in middle school, with an emphasis on the development of literary analysis and evaluation skills. In addition to reading and writing assignments completed in class, students will be expected to regularly complete such assignments outside of class. Students will complete a summer reading project. The final assessment is a District exam.

ENGLISH 3

Credit: 1 Unit

Length: 40 weeks

This course consists of a study of Literature and composition. It fosters mastery in the areas of listening, reading, and writing for information and understanding, literary response, critical analysis and research. There is ample preparation for the NY State Regents Comprehensive examination tasks. The final assessment is the Comprehensive English Regents Exam.

ENGLISH 3 ENRICHED

Credit: 1 Unit

Length: 40 weeks

Prerequisite: English 2 Enriched

This course is designed for the academically talented student. It goes beyond the scope of the English 3 course to include more challenging and stimulating literature. The writing/research projects provide opportunity for higher levels of creativity and critical thought processes. Preparation for the Comprehensive English Regents Exam is also presented. Students will complete a summer reading project. The final assessment is the Comprehensive English Regents Exam.

ENGLISH 4

Credit: 1 Unit

Length: 40 weeks

This course focuses on helping students explore and advance their skills in thinking, vocabulary, comprehension, active discussion, research techniques, writing thesis papers and reading a wide gamut of literature. Emphasis in this course is placed on critical analysis and research. The teacher designs the final assessment.

ENGLISH 4 ENRICHED

Credit: 1 Unit

Length: 40 weeks

Prerequisite: English 3 Enriched

This course is an intensive, challenging survey of the best of British literature. The year will be spent studying authors from many historical periods including contemporary writers. Students will write critical analyses of literature including poetry, drama, and short stories. Novels of literary merit will be read and discussed by the class. Students will complete a summer reading project. The teacher designs the final assessment.

ENGLISH AP

Credit: 1 Unit

Length: 40 weeks

This course is designed for college bound seniors. Students enrolled in this course may gain credit hours that may be applied to college programs at most colleges and universities. Credit is based on successfully completing the Advanced Placement test in Literature and Composition, which is given in the spring. Credits are awarded by earning a 3, 4, or 5 on the exam.

This course requires that students do independent reading. Students are also required to write essays of analysis of the works that they have read. Students will read poetry, plays, novels and short stories ranging from classical Greek drama to literature of the twentieth century. Students will complete a summer reading project.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.



Electives

TV BROADCASTING

Credit: 1 Unit

Length: 40 weeks

If you have seen the morning news at school, you've seen this class in action. This performance-based class combines with the TV Production class to write and deliver a daily, live news broadcast for the school each day. Various opportunities for learning and performance will be given in order to understand the basic methods of broadcasting, writing, producing and anchoring a televised program. Students will develop news stories, feature stories, editorials and commercial advertising for school programs. In addition, each news team will create an opening segment that showcases their news team style. In lieu of homework, some after school or out of class time may be required each quarter. The teacher designs the final assessment.

CREATIVE WRITING

Credits: 1/2 Unit

Length: 20 weeks

This course is for the serious writer and/or for those who would like to improve their writing skills with a review and introduction to many genres and styles. The class is designed for a writer to experiment with and explore different genres and techniques eventually finalizing some major pieces of writing. The coursework includes a personal portfolio format. The portfolio process demonstrates the growth of the writer throughout the course. Creative Writing is a resource for publication in the school paper, the school literary magazine, and other outside media as well. The teacher designs the final assessment.

JOURNALISM

Credit: 1/2 Unit

Length: 20 weeks

Journalism instructs students how to write effectively and read critically by practicing in the field of journalism. Students write articles of their own choice and experience on the job training by writing for the school newspaper. Students learn about a variety of press-related topics including photojournalism, layout and design, legal terms, and First Amendment rights. Examples from local press make this course an up-to-date way to learn communications skills. The teacher designs the final assessment.

East Senior

THEATRE ART IN ACTION (EAST)

Credit: 1 Unit

Length: 40 weeks

If you have ever seen the list of credits at the end of a movie, you have an idea of the number of people it takes to put art in action. This is a highly collaborative art that requires effort by an ensemble, a group whose individuals function together to create a whole.

This course offers various opportunities for learning and performance in order to understand the methods of creating, improvising, writing, acting, directing, costuming, lighting, marketing, setting, and producing a filmed, televised, or theatrical event. The process by which people create a performance is always challenging, but it is also a lot of fun and there are plenty of opportunities for learning both in and out of class.

Some after-school or out of class time is required each quarter. This class is open to all students and produces 2–3 full productions per year. The teacher designs the final assessment.

PUBLIC SPEAKING (WEST)

Credit: 1/2 Unit

Length; 20 weeks

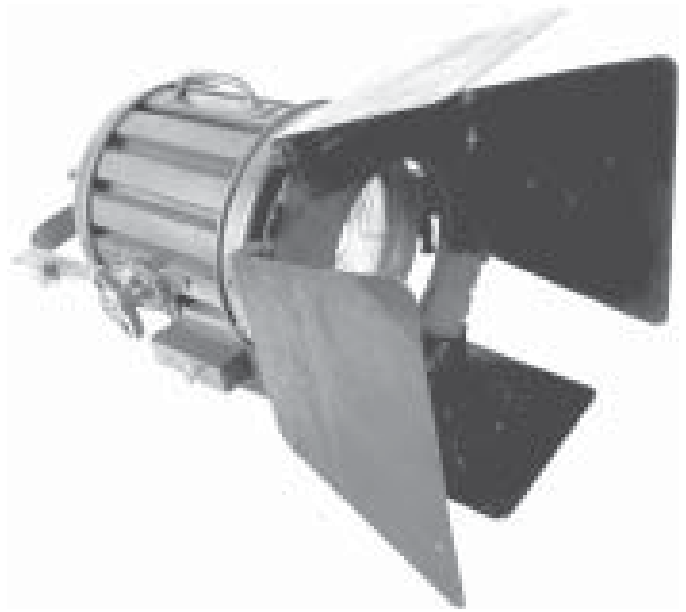
The improvement of your public speaking ability is a primary focus of this course. Through a variety of speech experiences, students will learn to organize material and present a speech in a clear and interesting manner. This course will be valuable to anyone – those planning to attend college, those planning a career in business, those who are hoping for a career in media. Anyone who would like to improve his or her communication skills will benefit from this course. Speech activities will take the form of prepared speeches, oral interpretation, panel discussions, drama and demonstrations. Preparation and presentation techniques will be taught to improve the overall effect of the speech. The teacher designs the final assessment.

DRAMA (WEST)

Credit: 1/2 Unit

Length: 20 weeks

This course will provide students with practical experience in developing theater skills. Through theatrical exercises, including improvisation and dramatic interpretation, students will explore the effect of drama on written and oral communications. Students will also explore set and costume design, lighting, writing, directing, and marketing. Participation in school productions will be encouraged. The teacher designs the final assessment.



CO-CURRICULAR CONNECTION:

The School Newspaper

TROJAN TIMES – EAST SENIOR

WEST HORIZONS – WEST SENIOR

The award winning school newspapers are open to anyone interested in communicating in the print media. Students meet periodically to discuss the five issues printed during the year. From there, students work independently to produce the articles for publication.

By writing for school publications students develop pride and responsibility for their published pieces. The publications serve as purposeful learning experiences in which students forge friendships and create lasting memories. West Horizons and Trojan Times participate in regional conferences and competitions sponsored by colleges and conducted by professionals in the journalism field.

The School Literary Magazine

CREATIVE LICENSE – EAST SENIOR

WRITERS' BLOCK – WEST SENIOR

The literary magazine is a school-wide publication featuring poetry, short stories, photography, and artwork. Students plan, write, edit, and design the publication. Membership on the literary magazine staff is open to all students. The students meet weekly to produce one publication a year.

The Yearbook

TRACES – EAST SENIOR

ACENES – WEST SENIOR

The yearbooks are created and run completely by students. The staff writes copy, takes pictures, designs the layout and manages the marketing of the book.

Membership is open to all students. Joining this club helps promote leadership, development of writing skills, responsibility, and creative skills needed in any occupation. Along with the huge task of creating a book of memories, friendships are created among staff members.

FAMILY & CONSUMER SCIENCE

• ACADEMY OF EDUCATION

Family and Consumer Science combines academics, technical and employability skills with real-life context for learning that maximizes students' present and future academic and career success.

COURSE OFFERINGS

Course	Credit	Length	Type of Exam
Food Preparation & Nutrition	1/2 Unit	20 Weeks	Local
Advanced Food Preparation & Nutrition	1/2 Unit	20 Weeks	Local
International & Regional Foods	1/2 Unit	20 Weeks	Local
Adolescent Development	1/2 Unit	20 Weeks	Local
Child Psychology & Parenting	1/2 Unit	20 Weeks	Local
Life After High School.....	1/2 Unit	20 Weeks	Local
Clothing & Textile Design	1/2 Unit	20 Weeks	Local
Housing & Interior Design	1/2 Unit	20 Weeks	Local

Courses are open to All Students. Courses may be taken in a cluster or chosen individually as electives.

ERIE COMMUNITY COLLEGE ARTICULATION AGREEMENT

After achieving mastery (85 or better) in the 3 levels of foods courses, FACS graduates are eligible to receive 4 college credits in the Food Service and Restaurant Management program at ECC.

ADOLESCENT DEVELOPMENT

Credit 1/2 Unit Length 20 Weeks

This course investigates the changes that teens go through, on an emotional level. Core topics include; relationships with family and peers, stress, communication skills, conflict and coping with common teen issues (such as body image, bullying/harassment, stereotypes, addictions, etc).

CHILD PSYCHOLOGY & PARENTING

Credit 1/2 Unit Length 20 Weeks

This course is essential for any student who has or ever will interact with children. The focus is on the physical, emotional, intellectual and social development of the infant, toddler and preschooler. Issues of contemporary parenting, healthy pregnancy, infant care, communication, guidance, discipline, learning through play and other skills needed to successfully work with and guide children will be highlighted. Skills developed will be beneficial for family living and for a variety of career fields.

LIFE AFTER HIGH SCHOOL

Credit 1/2 Unit Length 20 Weeks

Grade: 11 and 12

In this course you will be developing the skills necessary for building positive relationships leading to success in career, college and daily life. Life After High School will better prepare you to understand yourself and help you focus on your future. All aspects of relationships are studied including friendships, dating, love, marriage, communication with family and peers, managing stress, conflict and making responsible choices. The skills learned in this course will help you transition from high school to independent living with confidence.

CLOTHING AND TEXTILE DESIGN

Credit 1/2 Unit Length 20 Weeks

This course fulfills 1/2 of the 1 credit Art requirement.

This course represents opportunities to develop creativity by applying the principles of design to the construction and selection of clothing and using them as a means of artistic expression. You will also learn how clothing influences personal appearance and how to dress for success. Developing your skills in clothing construction will enable you to increase your own wardrobe while also becoming a better educated consumer of ready made clothing.

HOUSING AND INTERIOR DESIGN

Credit 1/2 Unit Length 20 Weeks

This course fulfills 1/2 of the 1 credit Art requirement.

Art applied to the home is the focus of this course. Designed to familiarize the student with architectural and interior design, hands-on activities and projects include elements and principals of design, floor plans, architectural styles, color theory and furniture.



FOOD PREPARATION & NUTRITION

Credit 1/2 Unit Length 20 Weeks

Required for all foods classes

This class is a must for anyone who wants to live independently or is a great starting point for students who want to enter a culinary career. Participation in food lab activities help students develop skills in food preparation, creative display, purchasing and meal service. Students will apply nutritional knowledge to promote health and fitness. Labs include grains, quick breads, yeast breads, pastries, fruits, vegetables, dairy, breakfasts and healthy meals.

ADVANCED FOOD PREPARATION & NUTRITION

Credit 1/2 Unit Length 20 Weeks

Prerequisite: Food Preparation & Nutrition

Mastering the art of food preparation is the focus as students build upon the concepts learned in Food Preparation and Nutrition. The daily living and career benefits of developing culinary skills are emphasized. Food lab experiences include preparation of meats, poultry, seafood, salads, cakes, pastries, candies, soups and seasonal specialties.

INTERNATIONAL & REGIONAL FOODS

Credit 1/2 Unit Length 20 Weeks

Prerequisite: Food Preparation & Nutrition

The influence of culture on foreign and American foods is the focus of this course. Content includes menu planning and advanced food preparation techniques with emphasis on presentation, table service and hospitality skills. Food lab experiences may include the Buffalo buffet, U.S. regional foods (New England, Southwest, South, California, Hawaii, Midwest) and International cuisines (France, Thailand, Spain, Greece, Italy, etc). Students take a leadership role in planning and preparing authentic recipes.

FAMILY & CONSUMER SCIENCE SPOTLIGHT ACTIVITIES:

Child Psychology students have the opportunity to run a "real life" nursery school to demonstrate their skills with children. Students in the culinary classes demonstrate their expertise in the "Greenhouse Cafe Restaurant".



ACADEMY OF EDUCATION



Students attending West Seneca High Schools have the opportunity to join the Academy of Education, a small learning community focusing on child-based professions.

The Academy of Education provides a solid foundation for students interested in pursuing a post secondary education in teaching, special education, social work, counseling, psychology, physical, occupational or speech therapy.

The Academy will include technical training, theory and hands-on lab experiences. Competencies for job skills will be stressed, practiced and evaluated. Academy graduates will have participated in a variety of learning experiences including field trips, shadow days, classroom speakers, internship and college credit through articulation agreements with local colleges.

Successful completion of an unpaid internship will be required to enhance student employability skills. Interested students will be asked to apply at the end of their Freshman year.

The Academy is supported by an Advisory Board which currently includes the following companies, organizations and colleges:

D'Youville College • West Seneca Central Schools • EduKids • Adventures in Learning • SUNYAB Division of Athletics East/West Senior Counselor Liason • ECC • Page 1 Preschool • Empire State College • Villa Maria College • Southtowns YMCA

ACADEMY COURSE SEQUENCE

• THREE YEAR PROGRAM •

Five Units of Credit Toward Graduation

Academy students are required to take the following electives in addition to their Regents courses.

NINTH GRADE--Recruitment, application and selection of students

NINTH GRADE

Recruitment, application and selection of students

Career & Financial Mgmt.....1/2 Unit

TENTH GRADE

Adolescent Development.....1/2 Unit

Child Psychology & Parenting..... 1/2 Unit

ELEVENTH GRADE

Corporate Media Presentations/Academy.....1/2 Unit

Foundations of Education.....1 Unit

UNPAID INTERNSHIP • 11th or 12th Grade1/2 Unit

TWELFTH GRADE

Life After High School/Academy.....1/2 Unit

Methods in Health, Safety and Nutritions/Academy.....1/2 Unit

*Elective Choice 1/2 to 1 Unit

*PSYCHOLOGY, SOCIOLOGY OR ANY ELECTIVE OR EXTENDED CORE SUBJECT SPECIFIC TO THE STUDENT'S EDUCATIONAL CONCENTRATION.

VILLA MARIA COLLEGE TRANSCRIPTED CREDITS

Students will receive 6 credits on their transcript that can be transferred to any college.

ERIE COMMUNITY COLLEGE ARTICULATION AGREEMENT

This agreement provides the opportunity for students of the FACS Department to receive course credit for Early Childhood Education. (Child Care) courses: Early Childhood Education and the associated lab (4.5 credits)

Graduation - Certificate of Educational Studies in addition to Regents Diploma or Regents Diploma with an advanced designation

ADOLESCENT DEVELOPMENT/ACADEMY

Credit 1/2 Unit Length 20 Weeks

Focuses on practical problems related to taking responsibility for self and others, building self-esteem, developing positive relationships with family, children and peers, managing stress and conflict. Students will investigate numerous issues facing today's teen and explore careers in the field of Human Services.

CORPORATE MEDIA PRESENTATIONS/BUSINESS AND EDUCATION EMPLOYABILITY PORTFOLIO (CMP-BEEP)/ACADEMY

Credit: 1/2 Unit Length: 20 Weeks

Prerequisite: Acceptance into the Academy

"This portfolio allows you to leave high school with not only an edge on others in the world of work and college, but also with a sense of pride and a record of your accomplishments."

This hands-on course will introduce students to the application of multimedia technology in the workplace. The course will explore evolving technologies including electronic presentations, Internet exploration, and desktop publishing while highlighting the interpersonal skills vital to a successful career. The Business and Education Employability Portfolio, an electronic portfolio, will be compiled highlighting the student's exemplary work and extracurricular activities during high school. The student's career exploration, personal profile and academic records will also be included in the portfolio.

This portfolio can be used for college applications and interviews, for scholarship applications and for work force interviews. Students will also be assigned a free web site location for up to 4 years enabling the electronic transfer and viewing of their portfolio.

This portfolio is essential for all students. Students upon completion of their portfolio can receive a college credit from ECC through the Advanced Studies Program. This credit can be used at any SUNY school.

FOUNDATIONS OF EDUCATION/ACADEMY

Credit 1 Unit Length 40 Weeks

This course will be offered in the junior year for Academy of Education students. It will be a study of concepts, principles, teaching strategies, and developmentally appropriate practices for teaching children at a variety of age ranges. Students will explore and apply methods and materials to develop mini-lessons to be used in classroom settings. Some topics may include various teaching strategies, children's literature, discipline techniques, teaching materials and resources and special needs. This course will provide the foundation techniques for the students' internship experience.

CHILD PSYCHOLOGY & PARENTING/ACADEMY

Credit 1 Unit Length 40 Weeks

*Satisfies the NYS Parenting Education requirement for graduation.

This course is essential for any student who has or ever will interact with children. The focus is on the physical, emotional, intellectual and social development of the infant, toddler and preschooler. Issues of contemporary parenting, healthy pregnancy, infant care, communication, guidance, discipline, learning through play and other skills needed to successfully work with and guide

children will be highlighted. Skills developed will be beneficial for family living and for a variety of career fields working with children (specifically education).

METHODS IN HEALTH, SAFETY AND NUTRITION/ACADEMY

Credit 1/2 Unit Length 20 Weeks

This course will give students the opportunity to experience basic food preparation and nutrition skills as related to the Academy of Education. The foundation of the coursework will be in methods and techniques used in health, safety and nutrition programs for children and adolescents. Emphasis will be on development of educational experiences that promote health, safety and nutrition practices during childhood. Students will investigate childhood food related issues such as food allergies, childhood obesity, school lunches and food safety.

LIFE AFTER HIGH SCHOOL/ACADEMY

Credit 1/2 Unit Length 20 Weeks

In this course students will be developing the skills necessary for building positive relationships leading to success in career, college and daily life. Life After High School will prepare students to understand themselves and help focus on their future. All aspects of relationships are studied including personality, dating, love, marriage, relationships with family and peers, managing stress, conflict and making responsible choices. The skills learned in this course will help students transition from high school to independent living with confidence.



HEALTH

HEALTH 1 • A HEALTHY LIFESTYLE

Credit: 1/2 Unit

Length: 20 Weeks

Requirement for graduation

Health 1 • A Healthy Lifestyle focuses on at risk behaviors, prevention skills and healthy literacy to ensure overall health and wellness. Health 1 provides opportunities for students to demonstrate learned skills and behaviors through the aspects of physical, mental and social health in order to increase their quality of life.

Students will integrate decision-making and goal setting skills through a variety of topics. Topics included in Health 1 are: wellness, nutrition, physical fitness, stress management, disease prevention, accessing information, human sexuality, parenting, alcohol, tobacco and other drugs.



HEALTH 2 • CRITICAL HEALTH ISSUES IN SOCIETY

Credit: 1/2 Unit

Length: 20 Weeks

This course will be offered to any junior or senior who has already successfully completed the Health 1 requirement

Health 2 • Critical Health Issues in Society focuses on the importance of good health for an individual to be a contributing member of society. Today's students need the knowledge and skills necessary to cope with the demands of society and become responsible, self-directed learners. Health 2 is a program to ensure that students acquire the skills for lifelong good health and wellness.

Topics will include methods of preventing and resolving conflict as well as tactics in reducing and preventing violence. Another topic will explore the importance of cultural diversity and the tolerance needed to encourage it. More specifically, students will define all types of abuse, sexual harassment, and the signs of harmful relationships. They will also develop skills for building strong positive relationships.

In addition, certain community health issues will be researched. They may include controversies involving health care choices, consumer's rights, fad diets, fraudulent products, teen pregnancy, STD's, violence and environmental concerns.

Co-CURRICULAR CONNECTION:

Wellness Committee

The Wellness Committee meets monthly and is a very fun, positive group. It is one of the few committees that has a large number of faculty, staff and students who work together to promote social, mental and physical wellness and sponsor many healthy, drug-free activities.



LANGUAGE OTHER THAN ENGLISH

Language is our single most important connection to our community and to the world. Through language we identify the world around us, express our concerns, our dreams, and it allows us to share our experiences and ideas.

The ability to communicate in a language other than English (LOTE) provides a unique opportunity to gain access to other people and their cultures. It is through language that each culture leaves an indelible mark on society as a whole. Recent world events bear witness to the importance of communicating in another language and understanding cultures other than our own. Change is accelerating at a pace that far exceeds our own conceptions. Our interdependence with other cultures makes it even more crucial for us to acquire skills for communication and cross-cultural understanding.

The concept of a global community is no longer abstract but rather quite concrete. Our membership and involvement in this arena necessitates strong communication and cultural skills. Buffalo and Western New York are in a strategic position to act as major players in this new world setting. These worldwide connections are no longer sporadic, but rather an integral part of doing business on a daily basis. The recognition of being proficient in a language other than English is a definite necessity!

COURSE OFFERINGS

Course	Credit	Length	Type of Exam
French I	1 Unit	40 Weeks	State Proficiency
French II	1 Unit	40 Weeks	Local
French III	1 Unit	40 Weeks	Regents
French IV	1 Unit	40 Weeks	Local
French V/Hilbert	1 Unit	40 Weeks	Hilbert credit
Spanish I	1 Unit	40 Weeks	State Proficiency
Spanish II	1 Unit	40 Weeks	Local
Spanish III	1 Unit	40 Weeks	Regents
Spanish IV	1 Unit	40 Weeks	Local
Spanish V/Hilbert	1 Unit	40 Weeks	Hilbert credit
East Senior			
French IV Enriched	1 Unit	40 Weeks	Local
French V AP	1 Unit	40 Weeks	AP
Spanish IV Enriched	1 Unit	40 Weeks	Local
Spanish V AP	1 Unit	40 Weeks	AP

FRENCH I SPANISH I

Credit: 1 Unit

Length: 40 Weeks

A beginning course that stresses the four language skills: Listening, speaking, reading and writing - with primary vocabulary and structure dealing with the student, his/her school, activities, family, etc. These topics are integrated into a course by using them in conversation, as well as unwritten structure. The student is also introduced to the thought and culture of the people. In Level I-V movies, videos, tapes and various other aids are used to help the student experience another culture. The same material is covered over a two-year period in the seventh and eighth grades.

Final Exam: New York State Proficiency Exam

FRENCH II SPANISH II

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Level I

This course is a continuation of the first year course. However, the degree of difficulty of grammatical concepts increases. Training in the four skills of listening, speaking, reading and writing is continued. Students are asked to master new grammatical structures and topics as well as new vocabulary. They are also asked to apply the newly acquired topics in conversations about practical topics and in their writing. Their acquisition of new concepts and vocabulary, both active and passive, is strengthened.

Students continue to be exposed to cultural elements. These may be introduced in discussions as well as in cultural readings. These items will offer students greater insight into the culture of the countries where the language they are studying is spoken.

Final Exam: District-Wide Exam

FRENCH III SPANISH III

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Level II

Training in the four skills of listening, speaking, reading and writing is continued this level 3 course. Students are asked to master new grammatical structures and topics as well as new vocabulary. They are also asked to apply the newly acquired topics in conversations about practical topics and in their writing. Their acquisition of new concepts and vocabulary, both active and passive, is strengthened. Reading comprehension will be emphasized. As much as possible of the class will be conducted in the target language.

Students continue to be exposed to cultural elements. These may be introduced in discussions as well as in cultural readings. These items will offer students greater insight into the life and people of the countries where the language they are studying is spoken.

In addition, this course has a Regents exam as a final evaluation. Because of this, time will be devoted throughout the year to review and prepare students for this examination.

Final: New York State Regents Exam

FRENCH IV

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: French III

Training in the four skills of listening, speaking, reading and writing continues at this level. Students are asked to review and apply grammatical structures and topics they have learned in the past. Some specific details are added to that prior knowledge.

Students do expand their knowledge of vocabulary.

In Level IV, French is used extensively in the class. Much of the year is focused on helping students to further develop their ability to speak in French and comprehend both the teacher and their classmates during discussions. They are asked to apply acquired vocabulary in conversations about practical topics and in their writing. Their prior knowledge of concepts and vocabulary, both active and passive, is strengthened. They may be asked to write short essays, stories, skits, commercials, political slogans, etc. in order to apply their knowledge and be creative with it.

Reading comprehension will be emphasized through the use of authentic materials. Newspaper and magazine articles will expose students to vocabulary in their interest areas. They will also gain a wealth of knowledge about the cultures of French-speaking countries from readings, class discussions and through viewing films.

Final Exam: Local Exam

FRENCH IV ENRICHED (EAST)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: French III and teacher recommendation and parental approval
See course description for French V AP.

FRENCH V AP (East)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: successful completion of French IV Enriched

This is a two-year sequence offered to the student who is interested in pursuing advanced placement credit. Due to the nature of the Second Language Advanced Placement curriculum, it is highly recommended that the student complete his/her study with a two year program. The four skills of communication - speaking, listening, reading and writing are developed at a rather advanced level in the target language, and much time is needed to arrive at the outcomes of the Advanced Placement program. Various activities and exercises will be incorporated throughout the academic year. Many strategies will be employed to enhance the level of competency and confidence on the part of all participants. Student placement in this program is based on student interest, commitment and performance in Level III, teacher recommendation and parental approval. Students who successfully complete this first year of the program will progress to French V AP. This cumulative assessment for that course is the Advanced Placement Examination in French.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

SPANISH IV

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Spanish III

Training in the four skills of listening, speaking, reading and writing continues at this level. Students are asked to review and apply grammatical structures and topics they have learned in the past. Some specific details are added to that prior knowledge. Students do expand their knowledge of vocabulary.

In Level IV, Spanish is used extensively in the class. Much of the year is focused on helping students to further develop their ability to speak in Spanish and comprehend both the teacher and their classmates during discussions. They are asked to apply acquired vocabulary in conversations about practical topics and in their writing. Their prior knowledge of concepts and vocabulary, both active and passive, is strengthened. They may be asked to write short essays, stories, skits, commercials, political slogans, etc. in order to apply their

knowledge and be creative with it.

Reading comprehension will be emphasized through the use of authentic materials. Newspaper and magazine articles will expose students to vocabulary in their interest areas. They will also gain a wealth of knowledge about the cultures of Spanish-speaking countries from readings, class discussions and through viewing films.

Final Exam: Local Exam

SPANISH IV ENRICHED (EAST)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Spanish III and teacher recommendation and parental approval
See course description for Spanish V AP.

SPANISH V AP (EAST)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: successful completion of Spanish IV Enriched

This is a two-year sequence offered to the student who is interested in pursuing advanced placement credit. Due to the nature of the Second Language Advanced Placement curriculum, it is highly recommended that the student complete his/her study with a two year program. The four skills of communication - speaking, listening, reading and writing are developed at a rather advanced level in the target language, and much time is needed to arrive at the outcomes of the Advanced Placement program. Various activities and exercises will be incorporated throughout the academic year. Many strategies will be employed to enhance the level of competency and confidence on the part of all participants. Student placement in this program is based on student interest, commitment and performance in Level III, teacher recommendation and parental approval. Students who successfully complete this first year of the program will progress to Spanish V AP. This cumulative assessment for that course is the Advanced Placement Examination in Spanish.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

FRENCH V

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: French IV

Level 5 French is an advanced French course for high school students who have completed 4 high school units of study. As such, the course will emphasize advanced oral communication and listening skills. Students will add to their already extensive vocabulary bank with concentration on those words necessary to enhance the students' communicative abilities. This new vocabulary will enhance the everyday skills necessary for effective communication. Reading at an advanced level will introduce some literature and stress comprehension. Writing skills will be enhanced to include

personal narrative through journals, persuasive and expository style. Grammar will be an integral part of the course. Previously learned structures will be reviewed and reinforced, while advanced grammatical structures will be introduced for mastery. With today's emphasis on global inter-dependence, cultural awareness will be explored through the use of visual media, research projects and presentations and other means that will further the students' knowledge of the French speaking countries and their people. Students are also able to earn Hilbert College credit through this course and taking the final exam. More information regarding the Hilbert College credit is available upon request.

SPANISH V

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Spanish IV

Level 5 Spanish is an advanced Spanish course for high school students who have completed 4 high school units of study. As such, the course will emphasize advanced oral communication and listening skills. Students will add to their already extensive vocabulary bank with concentration on those words necessary to enhance the students' communicative abilities. This new vocabulary will enhance the everyday skills necessary for effective communication. Reading at an advanced level will introduce some literature and stress comprehension. Writing skills will be enhanced to include personal narrative through journals, persuasive and expository style. Grammar will be an integral part of the course. Previously learned structures will be reviewed and reinforced, while advanced grammatical structures will be introduced for mastery. With today's emphasis on global inter-dependence, cultural awareness will be explored through the use of visual media, research projects and presentations and other means that will further the students' knowledge of the Spanish speaking countries and their people. Students are also able to earn Hilbert College credit through this course and taking the final exam. More information regarding the Hilbert College credit is available upon request.

CO-CURRICULAR CONNECTION:

French Club & Spanish Club

French & Spanish Clubs meet regularly after school and include a variety of activities such as games, films, food tasting, holiday celebration field trips, special speakers, etc. All students are welcome.

French Honor Society & Spanish Honor Society (West)

French & Spanish Honor Society is made up of honor students who maintain a French or Spanish average above 90. They meet monthly for business meetings. The highlight of the year is a spring induction ceremony. Students participate in special events such as trips, cultural activities, and dinner at ethnic restaurants. The students serve the school by helping language teachers and tutoring peers. Fundraising is done to support activities and to create funds for annual scholarships.

MATHEMATICS

COURSE OFFERINGS

Course	Credit	Length	Type of Exam
Integrated Algebra	1 Unit.....	40 Weeks.....	Regents
Geometry.....	1 Unit.....	40 Weeks.....	Regents
Enriched Geometry	1 Unit.....	40 Weeks.....	Regents
Math 301	1 Unit	40 Weeks.....	Regents
Math 302	1 Unit	40 Weeks.....	Regents
Algebra II and Trigonometry	1 Unit	40 Weeks.....	Regents
Fundamental Topics of Math	1 Unit	40 Weeks.....	Local
Pre-calculus/Math 401	1 Unit	40 Weeks.....	Local
Calculus AP	1 Unit	40 Weeks.....	AP
Math 402	1 Unit	20/40 Weeks	Regents
AP Statistics.....	1 Unit	40 Weeks.....	AP
West Senior Calculus	1 Unit	40 Weeks.....	Local

Calculator use: It is strongly suggested that incoming students purchase a TI-84 Plus graphing calculator for use in all Mathematics department courses. Families that already own a TI-83 Plus graphing calculator are welcome to use this, in lieu of purchasing a TI-84. Student use of the graphic calculator is mandatory on all New York State Regents Exams.

INTEGRATED ALGEBRA

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Math 8

Integrated Algebra is the first mathematics course in the high school. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. Problem situations may result in all types of linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Coordinate geometry will be integrated into the investigation of these functions allowing students to make connections between their analytical and geometrical representations. Problem situations resulting in systems of equations will also be presented. Measurement within a problem-solving context will include calculating rates using appropriate units and converting within measurement systems. Data analysis including measures of central tendency and visual representations of data will be studied. An understanding of correlation and causation will be developed and reasonable lines of best fit will be used to make predictions. Students will solve problem situations requiring right triangle trigonometry. Elementary probability theory will be used to determine the probability of events including independent, dependent and mutually exclusive events. There will be a NYS Regents Exam administered in June.



GEOMETRY

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Integrated Algebra

Geometry is intended to be the second course in mathematics for high school students. 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 synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships. Properties of triangles, quadrilaterals, and circles should receive particular attention. 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. There will be a NYS Regents Exam administered in June.

ENRICHED GEOMETRY

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Integrated Algebra

Enriched Geometry is intended to be the second course in mathematics for high school students, as they continue the work they began in Algebra at the middle school. 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 synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships. Properties of triangles, quadrilaterals, and circles should receive particular attention. Enriched 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. There will be a NYS Regents Exam administered in June.

ALGEBRA II AND TRIGONOMETRY

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Geometry

This course is a continuation and extension of Algebra and Geometry. Within this course, the number system will be extended to include imaginary and complex numbers. The families of functions to be studied will include polynomial, absolute value, radical, trigonometric, exponential and logarithmic functions. Problem situations involving direct and indirect variation will be solved. Problems resulting in systems of equations will be solved graphically and algebraically. Algebraic techniques will be developed to facilitate rewriting mathematical expressions into multiple equivalent forms. Data analysis will be extended to include measures of dispersion and the analysis of regression that model functions studied throughout this course. Associated correlations coefficients will be determined, using technology tools and interpreted as a

measure of strength of the relationship. Arithmetic and geometric sequences will be expressed in multiple forms, and arithmetic and geometric series will be evaluated. Binomial experiments will provide the basis for the study of probability theory and the normal probability distribution will be analyzed and used as an approximation for these binomial experiments. Right triangle trigonometry will be expanded to include the investigation of circular functions. Problem situations requiring the use of trigonometric equations and identities will also be investigated.

MATH 301

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Math 201

This course qualifies for the third math credit of a three-year program to obtain a Regents Diploma with advanced designation. Students that enroll in this course should also plan to take a fourth year of math in their senior year in order to properly prepare for college level mathematics. This course includes direct and indirect proofs, complex numbers, composition of functions and transformations, logarithms, trigonometry, and statistical measures. There will be a district-wide exam in January and the NYS Math B Regents exam will be administered in June.

MATH 302

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Successful completion of Math 201

This course qualifies for the third math credit of a three-year program to obtain a Regents Diploma with Advanced Designation. Students that enroll in this course are preparing for college-level mathematics. This course includes direct and indirect proofs, complex numbers, composition of functions and transformations, logarithms, trigonometry and statistical measures. There will be a district wide-exam in January and the New York State Math B Regents Exam will be administered in June.

FUNDAMENTAL TOPICS OF MATH

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Math 201

(with teacher recommendation)

This non-regents course qualifies for a third math credit in a three-year required program of study. The scope and sequence of the course will provide students with the essential skills necessary for college placement exams and introductory college mathematics courses. Topics to be covered in this course will include complex fractions, absolute value equations and inequalities, circles, and computer applications. There will be a district-wide exam in June.

CO-CURRICULAR CONNECTION:

Math Club

The Math Club meets once a month and is open to all students. Participants in this group will meet to solve problems as a team and will compete with other school teams across the USA.

PRE-CALCULUS/MATH 401

Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Math 301

The intent of the course is to provide the student a survey in the mathematics necessary to understand Calculus. Topics include higher order polynomial equations, determinants, matrices, linear programming; exponential and logarithmic functions; probability and statistics; sequences and series, trigonometric identities, and partial fractions. Rational functions are examined with the goal to be able to find limits and examine for discontinuance. Analytic Geometry will be explored with the emphasis on the measurements of distance, angles and area as well as 3-dimension. Throughout the course, emphasis will be put on developing problem solving skills. Students are encouraged to have a graphing calculator. There will be a local exam at the end of the course.

AP CALCULUS

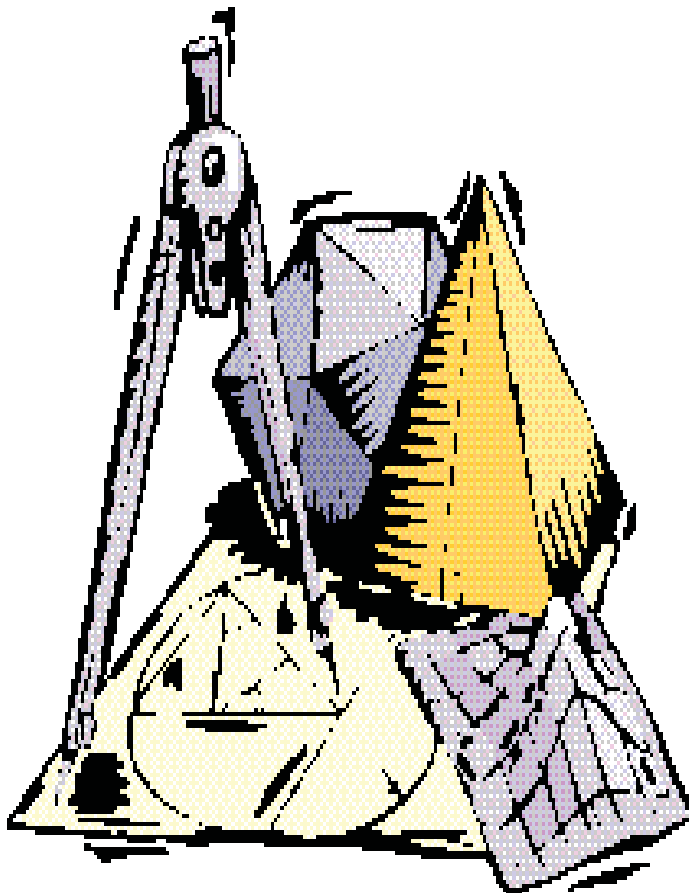
Credit: 1 unit

Length: 40 weeks

Prerequisite: Successful completion of Pre-calculus/Math 401.

It is necessary for students in this course to bring a TI-83 Plus graphing calculator or a TI-89 calculator to class each day. Students are required to sit for an AP examination in May of their senior year. A score of 3, 4, or 5 will possibly allow the student to receive college credit for this course. This is a first year college level course with an emphasis on the derivative and the integral and their applications.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.



MATH 402

Credit: 1 Unit

Length: 20 or 40 Weeks

Prerequisite: successful completion of Math 302

This course is designed for the student who wishes to obtain a Regents Diploma with Advanced Designation by successfully completing the NYS Math B Regents exam. Again, this course is designed for the student who plans to attend a 4-year college in order to prepare for successful completion of college-level mathematics at the student's school of choice. Topics in this course include the remainder of the NYS Math B Regents curriculum. Students will have the option to take the Math B exam in January. With a passing course grade and a passing score on the Math B exam, students will be permitted to exit the course at the end of the first semester with a half unit of credit earned.

AP STATISTICS

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: successful completion of Math 301 or Algebra 2

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1) Exploring Data 2) Sampling and Experimentation 3) Anticipating Patterns 4) Statistical Inference. It is necessary for students to bring their own TI-83+ or TI-84+(preferred) graphing calculator. Students are required to sit for the AP examination in May. A score of 3, 4 or 5 will possibly allow the student to receive college credit for the course.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

West Senior CALCULUS (WEST)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: successful completion of Pre-calculus
(Or simultaneously enrollment in Pre-calculus and Calculus)

This course is intended for students who have completed or are simultaneously enrolled in Pre-calculus and may serve as a fifth math credit. Students that plan to major in the field of Engineering, or any of the Natural Sciences (Pharmacology, Forensics, Medical field, Biology, Chemistry, etc.) should take this course. Students will be presented topics including limits, derivatives, integrals, techniques in problem solving and their applications. This course is not intended to represent a college-level course; rather, it is designed to give students the basic concepts, which enable students to successfully complete a college calculus program. There will be a local examination in June.

MUSIC

The Music department seeks to provide students with options in aesthetically oriented decisions. It provides an atmosphere which enhances striving for excellence in musical self-improvement demonstrated in performing groups, small ensembles, solos and within academic classroom instruction.

COURSE OFFERINGS

Course	Credit	Length	Exam
Women's Choir	1 Unit	40 Weeks	Local
Music Theory.....	1 Unit	40 Weeks.....	Local
Orchestra.....	1 Unit	40 Weeks.....	Local
Concert Band.....	1 Unit	40 Weeks.....	Local
Applied Music.....	1/2 Unit		Local
Jazz Ensemble	1 Unit	40 Weeks.....	Local

East Senior

Concert Choir	1 Unit	40 Weeks.....	Local
Chamber Chorus	1 Unit	40 Weeks.....	Local
Music In Our Lives.....	1 Unit	40 Weeks.....	Local
Foundations Of Music	1 Unit	40 Weeks.....	Local

West Senior

Chorale.....	1 Unit	40 Weeks.....	Local
Choraliers (9 th Gr only).....	1 Unit	40 Weeks.....	Local
Wind Ensemble.....	1 Unit	40 Weeks.....	Local
Music Appreciation	1 Unit	40 Weeks.....	Local
Bel Canto Singers	1 Unit	40 Weeks.....	Local
String Ensemble	1 Unit	40 Weeks.....	Local

CO-CURRICULAR CONNECTION:

Marching Band

The West Seneca Marching Band is the marching-music representative of the West Seneca Central Schools music program. Using mixed and visual performance as the educational means, the band strives for excellence by promoting the values of leadership, pride and dedication through a team spirit. The band performs in competitions each fall, home football games and many local parades.

APPLIED MUSIC

Credit: 1/2 Unit

Prerequisite: Signed application - see instrumental Music teacher.

This is a program where students may receive school credit for outside Applied Music study. The student should be studying with a qualified teacher and be taking weekly music lessons. All members of performing groups could benefit from private study.

CONCERT BAND

Credit: 1 Unit

Length: 40 Weeks

Band is a large performing ensemble designed to allow the student to experience music and transcriptions for the wind band by performing in rehearsals and concerts. Weekly lessons on the student's instrument are an integral part of the learning experience, with the band rehearsals and concerts intended to be a medium for applying musical skills. Band members participate in several scheduled evening concerts and other special events throughout the year. Concerts are required and should be likened to tests.

MUSIC THEORY

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Music Appreciation (West) Music in Our Lives (East), or permission of Instructor

Music Theory is an advanced course in aural perception and harmony. Students will learn composition as it applies to four-part harmony. They will read and write complex pieces. Analysis of written music will be a focus of the course. Students wishing to pursue a major in music will find this course to be essential as they prepare for college auditions and course work.

ORCHESTRA

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Audition or recommendation of the director

Orchestra is comprised of string players who have been playing their instrument for at least one year. Orchestra performs many works by famous composers, along with contemporary and light popular tunes. Orchestra regularly performs concerts throughout the year at school and in the community. Each string player receives one lesson per week. Concerts are required and should be likened to tests.

WOMEN'S CHOIR

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Audition in Spring of previous year. Selection by Director Only

Women's Choir is a select chorus comprised of sophomore, junior, and senior females all with previous choral experience. Students are selected based on vocal and sight reading ability, in addition to personal commitment and responsibility. Women's Choir performs throughout the community as well as in department performances and festivals. Concerts are required and should be likened to tests. Voice labs offered on a rotating basis to all students.



East Senior CONCERT CHOIR (EAST)

Credit: 1 Unit Length: 40 Weeks
Open to all students, grades 9-12. This course will study the production of vocal music and choral and solo settings. Students will be given the opportunity to perform on a daily basis and will learn the techniques of vocal production. Students will also learn to read music and explore a wide range of music from classical to folk to pop. Vocal labs will be offered on a rotating basis to all students involved in High School Chorus. Concerts are required and should be likened to tests.

CHAMBER CHORUS (EAST)

Credit: 1 Unit Length: 40 Weeks
Audition Only - by permission of instructor. In order to achieve a balance of voices, it is necessary to limit females according to number of males accepted. A desire to sing all types of music from sacred to classical, as well as desire to excel as a vocalist is required.

Many performers are required (upwards of eight). Auditions are done in late April. Voice labs are offered to all students in the vocal performing ensembles who perform Erie County or NYSSMA solos. Concerts are required and should be likened to tests.

FOUNDATIONS OF MUSIC (EAST)

Credit: 1 Unit Length: 40 Weeks
Prerequisite: Music in Our Lives or instructor approval.
Foundations of Music is the study of music through the course of time and how one period of music influenced the other. In this course students will be listening, composing and performing music from the different periods of music as well as a continual study on a recreational instrument (keyboard, guitar).

JAZZ ENSEMBLE (EAST)

Credit: 1 Unit Length: 40 Weeks
Prerequisite: Recommendation of teacher.
Jazz Ensemble is a performing ensemble for those students interested in the "Big Band" styles from early Swing to Modern Jazz-Rock and Funk. As well as learning Big Band styles, students will learn beginning improvisation techniques. Instrumentation is sax, trumpet, trombone, drum set, guitar, bass, and piano. Each player receives one lesson per week. The jazz ensemble performs concerts throughout the year at school and in the community. Concerts are required and should be likened to tests.

MUSIC IN OUR LIVES (EAST)

Credit: 1 Unit Length: 40 Weeks
*This course satisfies the Art/Music requirement for graduation.
An exciting course for students who enjoy music and would like a better understanding and appreciation of all styles of music. Students will have hands on experience with synthesizers, drum computers, guitars, and electronic keyboard instruments. Included in the course will be: instruction on recreational instruments (keyboard, guitar), listening, performing, and composing. The course material and direction is geared toward that student who has an interest in music but is not an accomplished musician.

West Senior CHORALE (WEST)

Credit: 1 Unit Length: 40 Weeks
Chorale is comprised of all upper class male and female students who wish to sing. Chorale presents concerts at school and performs at festivals. Concerts are required and should be likened to tests.

CHORALIERS (WEST)

Credit: 1 Unit Length: 40 Weeks
Prerequisite: 9th Graders only
Choraliers is comprised of all first year choral singers new to West Senior (male and female). This chorus presents concerts at school and occasionally sings in festivals. Concerts are required and should be likened to tests. Voice labs offered on a rotating basis to all students.

BEL CANTO SINGERS (WEST)

Credit: 1 Unit Length: 40 Weeks
Prerequisite: Audition in spring of previous year. Selection by Director Only
Bel Canto Singers is a select chorus comprised of sophomore, junior and senior students. Students are selected based on vocal and sight-reading ability, in addition to personal commitment and responsibility. Bel Canto Singers perform throughout the community as well as in department performances and festivals. Concerts are required and should be likened to tests.

JAZZ ENSEMBLE (WEST)

Credit: 1 Unit Length: 40 Weeks
Prerequisite: Audition or recommendation of the teacher. All Jazz Ensemble students must be enrolled in Concert band or Wind Ensemble.
Jazz Ensemble is a select performing group. It is comprised of students who play saxophone, trumpet, trombone, piano, bass, guitar, drum set and percussion. Strong focus will be given to performing and studying the works of major jazz masters. Students will gain an understanding of the different stylistic elements and historical periods of Jazz music. The Jazz Ensemble not only performs for our annual school concerts, but also performs for engagements outside of school. Membership in this organization is contingent upon permission of the conductor. The instrumentalists in this group receive one instrumental lesson per week. Concerts are required and should be likened to tests.

MUSIC APPRECIATION (WEST)

Credit: 1 Unit Length: 40 Weeks
Music Appreciation is a basic musicianship course open to all students wishing to learn basic skills in music reading and listening. Through the study of the four basic elements of music- melody, harmony, rhythm and form- students will develop listening, compositional and reading skills. Lines and spaces, rhythm reading, and sight-reading are three areas that will be presented. By looking at composers lives, works and historical issues, students will investigate music as it pertains to what has come before, and how those ideas and skills can be used for their own musical development. By listening to the music of the past, students will learn to identify music and composers of those eras and apply that knowledge to present day music.

STRING ENSEMBLE (WEST)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Audition in spring of previous year. Selection by Director Only

String Ensemble is a select string orchestra. Students must have previous orchestral experience and show a high level of responsibility and commitment. Students will be exposed to more advanced string literature. Students receive one lesson per week. String Ensemble performs regularly throughout the school year at school and in the community, and also competes at state festivals. Concerts are required and should be likened to tests.

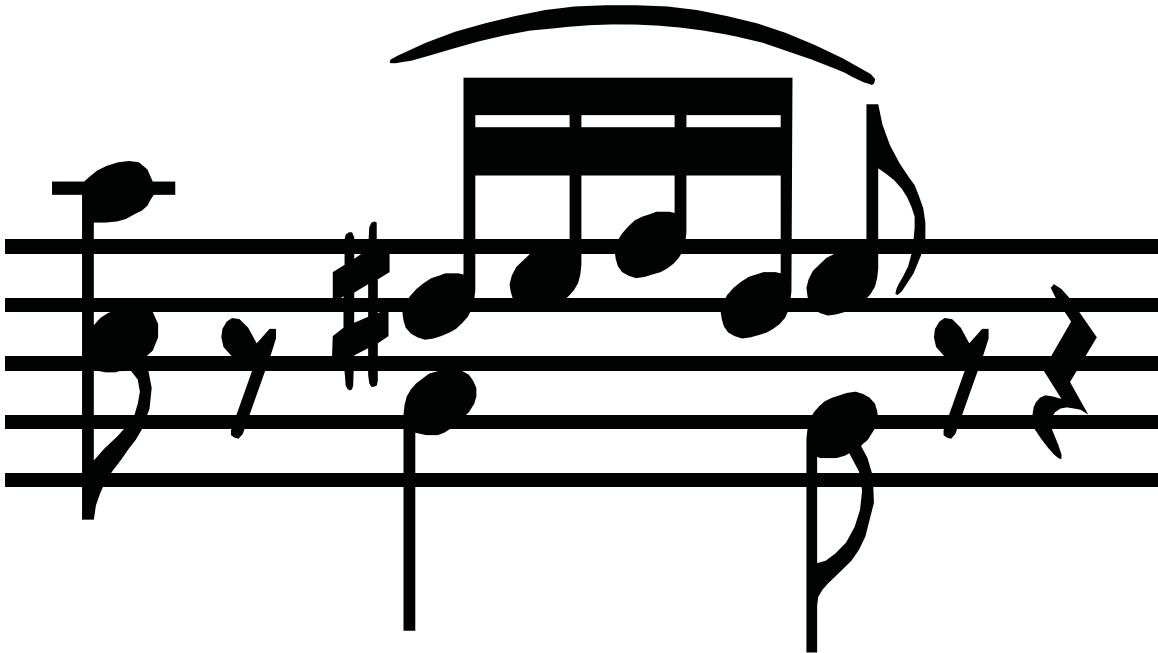
WIND ENSEMBLE (WEST)

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Audition in Spring of previous year. Selection by Director Only

Wind Ensemble is a select concert band comprised of 45 NYS-SMA Level 5 and 6 instrumental music students. Students receive one lesson per week and perform in concerts throughout the year in school and in the community. Concerts are required and should be likened to tests.



PHYSICAL EDUCATION

The content of Physical Education involves the art and science of human movement. Physical Education is a multifaceted participation discipline, which focuses on individual, dual and team concepts, as related to growth and development through physical activity.

Its basis is made up of activities that promote knowledge of, and skills necessary to a healthy life-style. This includes cooperative learning, trust, teamwork, and positive self-awareness.

PHYSICAL EDUCATION

PE M 9-10

PE M 11-12

PE F 9-10

PE F 11-12

Credit: 1/2 Unit Length: 40 Weeks

Physical Education is required for four (4) years. All students must participate in an activity once every four days. Physical, mental, social and emotional development are integral parts of physical education. Through the medium of Physical Education, these areas can be developed.

A wide variety of activities are offered at these levels. Team sports are included with an emphasis on individual and lifetime activities. Periodically students are given the opportunity to select these activities and they include those which are all male, all female and co-ed. Participation and successful completion of the swimming unit is required for all students in grades 9 and 10.

A student who is not able to participate in the normal physical education program, may have his/her program modified within the structure of the regular class. The nature of the activities is based on recommendations of the student's personal physician. If the physician does not feel the student can participate with the modifications, appropriate written work will be assigned to meet the course requirements.

Defined areas of activity are team passing games, net/wall sports, striking/fielding sports, target sports, dance and aesthetic activities, outdoor activities, personal performance activities and fitness activities. Program objectives for grades 9-12 are to:

1. Develop higher levels of competency in skills and knowledge
2. Nurture positive attitudes toward physical fitness
3. Apply CPR/AED skills in a life saving emergency
4. Practice activities which will encourage appropriate behaviors
5. Gain confidence in and a sense of well being in cooperative learning skills
6. Develop an understanding of proper nutritional habits
7. District-wide rubrics have been established for the curriculum. Areas of assessment include: effort, skill, respect, initiative, individual and team play

Required dress for safety and movement: sneakers, shorts or sweatpants, t-shirt or sweatshirt.

MEDICAL

If a student's physician does not feel the student can participate in the regular physical education program, appropriate written work will be assigned to meet the course graduation requirements.

In order to comply with New York State requirements, a student must have some form of physical activity.



Co-CURRICULAR CONNECTION:

Girls' Athletic Association

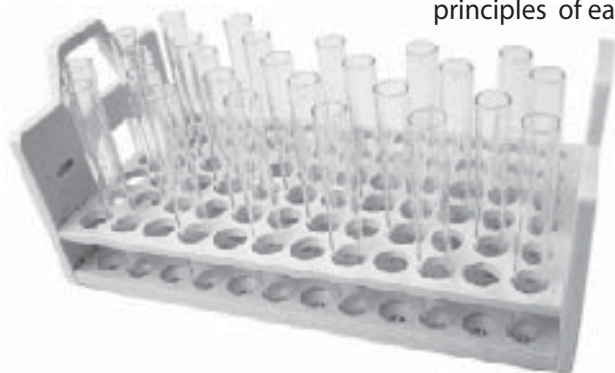
The Girls' Athletic Association (GAA) is an organization comprised of JV and Varsity athletes. Its primary function is to assist our twenty coaches of girls' sports by keeping records and preparing awards for athletes who participate in the fall, winter and spring sports seasons. Members also help with and support activities of Homecoming Week, Red Ribbon Week and various functions throughout the year.

Varsity E Club/Varsity W Club

The Varsity E/W Club is a club of varsity and junior varsity male athletes. The goal of the club is to promote sports at West and East and recognize the athletes. These athletes are given a shirt and plaque. They are then eligible for the Athlete of the Year scholarship given to the outstanding male student athlete. The club also gives a "Stan Vonsik Memorial Scholarship to the athlete that works very hard but might not be the MVP. Throughout the year the club fund raises for these scholarships and other things to help the athletes. We have sponsored a student of excellence, sponsored the new scorers table in the gym, and have purchased boom boxes for the weight room and gym.

SCIENCE

Students will explore various areas of interest concerning life, earth and physical sciences. Laboratory oriented courses will enable students to use reason, memory, imagination and the scientific method of inquiry. Students will learn the basic principles of each subject area and will be



helped to apply these concepts to every day life as well as to future studies. Course selections are designed to accommodate the capabilities and backgrounds of each student. Any student planning on attending a four year college, should take four years of Regents/AP Science courses.

CO-CURRICULAR CONNECTION:

Science

Honor Society

Science Honor Society is made up of students who successfully complete a minimum of two Regents or AP Science courses and are enrolled in a third Regents or AP Course. Students are required to maintain a minimum 90% in Regents Science courses or an 85% in AP Science courses. They also must have an overall scholastic average of 85% or better. Members will attend monthly meetings. An induction ceremony will be part of annual activities. Students will also be required to complete 20 hours of service (10 of which must be completed at the high school).

COURSE OFFERINGS

Course	Credit	Length	Type of Exam
Physical Setting/Earth Science with Lab	1 Unit	40 Weeks	Regents
Living Environment/Biology with Lab.....	1 Unit	40 Weeks	Regents
Living Environment/Biology with Lab-Enriched	1 Unit	40 Weeks	Regents
Biology AP.....	1 Unit	40 Weeks	AP & Regents
Physical Setting/Chemistry with Lab.....	1 Unit	40 Weeks	Regents
Chemistry AP	1 Unit	40 Weeks	AP & Regents
Physical Setting/Physics with Lab.....	1 Unit	40 Weeks	Regents
Physics AP	1 Unit	40 Weeks	AP & Regents
Science for the 21st Century	1 Unit	40 Weeks	Local
Environmental Science AP.....	1 Unit	40 Weeks	AP

PHYSICAL SETTING/EARTH SCIENCE WITH LAB

Credit: 1 Unit

Length: 40 Weeks

This course includes: Geology, Meteorology, Astronomy and Environmental Awareness topics. Emphasis is placed on the use of scientific inquiry to develop explanations of natural phenomena. The course will culminate with a Regents exam in June which will include a lab performance test.

As a prerequisite for admission to the Regents exam, students must have successfully completed 1200 minutes of laboratory experience with satisfactory written reports for each laboratory investigation.

PHYSICAL SETTING/CHEMISTRY WITH LAB

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Successful completion of Math A

The Regents Chemistry course focuses on the study of our physical world. An emphasis is placed on developing students' understanding of scientific concepts, relationships, processes, mechanisms and models that explain phenomena related to matter and energy. This course allows students to apply their developing understanding of the physical world in ways that challenge their critical thinking and creative reasoning skills.

LIVING ENVIRONMENT/BIOLOGY WITH LAB

Credit: 1 Unit

Length: 40 Weeks

Biology is the study of living things. Learning experiences will communicate to the student an awareness of the biological phenomena taking place in him/herself and the environment around them. Topics covered include: Unity and Diversity, Reproduction, Evolution, Genetics, Dynamic Equilibrium, Interdependence of Organisms and their Environment, and Human Impact on the Environment. There is a strong emphasis on Scientific Inquiry.

PHYSICAL SETTING/PHYSICS WITH LAB

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Successful completion of Math A

The Regents Physics course presents a modern view of Physics with major emphasis placed on the topics of mechanics, waves, electricity, the standard model of the atom, and modern Physics.

SCIENCE FOR THE 21ST CENTURY

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Counselor and teacher recommendation.

Science for the 21st Century draws on contemporary topics from the fields of chemistry, biology, physics, and the geosciences. Developing problem solving skills and research techniques are emphasized. The students will find or access relevant information from a variety of sources. They will carry out and design experiments; collect, organize, and analyze data; and offer solutions to problems that are present in the 21st century world. This non-regents course culminates in a local assessment.

LIVING ENVIRONMENT WITH LAB ENRICHED

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Teacher recommendation.

This course is designed for talented ninth grade students who, upon completion of this course, are expected to enroll in the AP program designed for the academically talented students in science.

While preparing students for the Regents Living Environment Examination, Enriched Living Environment challenges students to develop an in-depth understanding of biology (cellular biology, human physiology, genetics, evolution, and ecology) with the addition of basic chemical concepts, as well (atomic structure, bonding, periodic table). This curriculum provides students with opportunities to challenge themselves beyond the Regents Living Environment program through scientific inquiry, laboratory investigations and out of class experiences.

ADVANCED PLACEMENT (AP) SCIENCE COURSES

These science courses are designed for the academically talented students in science. After a student completes the freshmen year of science, he/she may wish to accept the academic challenge of AP Biology in 10th grade, AP Chemistry in 11th grade, and AP Physics or AP Environmental Science in 12th grade. ALL students enrolled in an AP science class will be required to take the examination in Advanced Placement science in May of that school year (AND the Regents examination in June if the student has not taken it already). Classes meet the laboratory requirements as set forth by the Regents and Advanced Placement curricula.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

BIOLOGY AP

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Teacher recommendation and student should be enrolled in or successfully completed Math A.

The Advanced Placement course in Biology fulfills the requirements of a General Biology course on the college level. The concepts of Biology will be presented using a cellular and evolutionary approach, with accompanying laboratory exercises. For those students taking Biology AP as a first year Biology course, they will also take the NYS Regents Examination.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

ENVIRONMENTAL SCIENCE AP

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Teacher recommendation and successful completion of Earth Science and Living Environment.

The Advanced Placement course in Environmental Science fulfills the requirements of a General Science course on the college level. The goal is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

CHEMISTRY AP

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Teacher recommendation and successful completion of Math A. Student should be enrolled in or have completed Math B.

The Advanced Placement course in Chemistry fulfills the requirements of a college level General Chemistry course. The course will provide an in-depth coverage of general chemical principles with advanced laboratory techniques. It stresses a much higher level of problem solving difficulty than the Regents Chemistry course and requires a better understanding of basic math concepts.

For those students taking Chemistry AP as a first year Chemistry course, they will also take the NYS Regents Examination.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

PHYSICS AP

Credit: 1 Unit Length: 40 Weeks

Prerequisite: Teacher recommendation and successful completion of Math A and B.

The Advanced Placement course in Physics fulfills the requirements of a General Physics course on the college level. It may fulfill a college Physics requirement for life science, pre-medicine, and some of the applied sciences. It will not substitute for the calculus-based college Physics required of most science and engineering majors. Physics AP stresses a much higher level of problem solving difficulty than the Regents Physics course. Advanced laboratory techniques and individual investigation will comprise the laboratory component of the course.

For those students taking Physics AP as a first year Physics course, they will also take the NYS Regents Examination.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

SOCIAL STUDIES



The Social Studies Department is committed to providing, by various methods, the type of education which will produce students who:

1. demonstrate self-discipline by accepting responsibility for their actions
2. show concern, tolerance and respect for others
3. manifest the skills necessary to be self-directed learners
4. have respect for and practice basic civic values and display the understanding and attitudes necessary to participate in democratic self-government
5. have the ability to analyze the effects of geography on the development of culture past and present
6. are able to explain the fundamental similarities and differences among major economic, social and political systems and how these systems function in an interdependent world

COURSE OFFERINGS

Course	Credit	Length	Type of Exam
Global History & Geography I	1 Unit	40 Weeks	Local
Global History & Geography II	1 Unit	40 Weeks	Regents
World History AP	1 Unit	40 Weeks	Regents & AP
U.S. History & Government	1 Unit	40 Weeks	Regents
American History AP	1 Unit	40 Weeks	Regents & AP
Principles of Economics	1/2 Unit	20 Weeks	Local
Participation In Government	1/2 Unit	20 Weeks	Local
Psychology	1/2 Unit	20 Weeks	Local
Government AP	1/2 Unit	20 Weeks	AP
Macroeconomics AP	1/2 Unit	20 Weeks	AP
Sociology	1/2 Unit	20 Weeks	Local

GLOBAL HISTORY & GEOGRAPHY I

Credit: 1 Unit

Length: 40 Weeks

The chronological, topical study of Global History I begins with prehistoric man (3,000 BC) and continues to the Age of Absolutism (AD 1550-1800). Global History I is year one of a two-year sequence in Global History. During ninth grade, students begin with a general introduction to the main areas of study: geography, economics, political science, culture and history. The remainder of the course includes geographical and historical studies that are inclusive of the Ancient World, Expanding Zones of Exchange, Global Interactions and The First Global Age. (Local Exam)

GLOBAL HISTORY & GEOGRAPHY II

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Global I

Global II continues the chrono-thematic approach to Global History. Global History II is the second year of the two-year course. Global II begins with a review of the Age of Absolutism and then continues through the major themes of: The Age of Revolution, Crisis and Achievement (1900-1945), the 20th Century since 1945, and Global Connections and Interactions. In addition, students investigate issues and themes from multiple perspectives and make global connections and linkages that lead to an in-depth understanding of world history and geography. (Regents Exam)

WORLD HISTORY AP

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Global I and Teacher Recommendation

This course covers history in a chronological manner from 1000 B.C. to the present. It centers on the international contact among people of Asia, Europe, Saharan, Sub-Saharan Africa and Latin America.

The major themes included in this course are:

1. Impact of interaction among societies (trade, systems of international exchange, war and diplomacy)
2. The relationship between change and continuity across the world history periods covered by this course.
3. Impact of technology and demography on people and the environment.
4. Systems of social structure and gender structure.
5. Cultural and intellectual developments and interaction among and within societies.
6. Change in functions and structures of states and attitudes toward states and political identities.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

(Regents Exam)

U.S. HISTORY & GOVERNMENT

Credit: 1 Unit

Length: 40 Weeks

Prerequisite(s): Global Studies I & II

The course will include a chronological survey of the history of the United States from its constitutional foundations for a democratic republic to the present time. A strong emphasis will be placed on the principles of the U.S. Constitution, Industrialization, and life in America in post-industrial times. Students will explore legal issues surrounding the Constitution, and evaluate the problems of a dynamic industrial society in an increasingly complex and technologically-oriented world. At the completion of the course, students will be required to take a regents examination. (Regents Exam)

AMERICAN HISTORY AP

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Global Studies I & II and teacher recommendation

This course is geared to the needs of the highly motivated students in Social Studies. It will survey, in depth, the outstanding trends of American History in such areas as Reform, Revolution, Foreign Affairs, Economic Growth and Political Development. Upon completion students will take an Advanced Placement exam which may provide them with college credit in Social Studies. (Regents Exam)

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

PARTICIPATION IN GOVERNMENT

Credit: 1/2 Unit

Length: 20 Weeks

A one semester course that will provide students with the opportunity to understand the formulation of public policy through involvement in the democratic process. Students will be given the opportunity to apply and expand the skills, knowledge and attitudes which have been developed throughout the social studies program. Course content will include: the importance of citizen participation in a democratic society, analyzing public policy issues and problems, decision-making; and the implementation of policy. (Local Exam)

PRINCIPLES OF ECONOMICS

Credit: 1/2 Unit

Length: 20 Weeks

A study of the concepts and theories of economics needed by students planning to enter the business or financial world. General topics to be covered are: Money and Banking; Comparative Economic Systems; Industrial Organization; Monetary-Fiscal Policy; Labor Economics; Business and Government; International Trade. This course will meet the requirements established by the New York State Board of Regents and also expose students to a more advanced, in-depth study of economics. (Local Exam)

GOVERNMENT AP

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Teacher recommendation

The distinction between government and what in European politics is called the "State" has served as the basis for claims of the uniqueness of American Politics. This course is an investigation into the manner in which American government is organized, and the impact that government has on political life. To accomplish this goal, we will examine the constitutional division of power among legislative, executive, and judicial branches, federalism, political partner, electoral politics and varied "American" institutions that affect public policy.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

MACROECONOMICS AP

Credit: 1/2 Unit

Length: 20 Weeks

Prerequisite: Teacher recommendation

AP Economics is a survey introduction to macro-economics with emphasis upon the concepts of market structure and market pricing, national income accounting, consumption, investment, money and banking, fiscal and monetary policy, and income determination. Specific attention is given to the problems of employment, inflation, price stability, and economic growth.

Upon completion students will take a required Advanced Placement exam which, in some cases, may provide them with college credit in a required social science course.

There is a fee payable to the College Board to sit for the AP exam, a requirement for this course.

PSYCHOLOGY

Credit: 1/2 Unit

Length: 20 Weeks

This course will examine the various aspects of psychology as a behavioral science. Emphasis will be placed upon a variety of human interest topics, among these: personality development, individual and group adjustment, mental illness, human emotions, and contemporary socio-psychological problems. Activities in this course will be student-oriented. Independent research, reading comprehension, and class discussion are emphasized.

SOCIOLOGY

Credit: 1/2 Unit

Length: 20 Weeks

Sociology is the social science that studies the groups to which an individual belongs. Sociologists recognize that the groups, or social structures, that one belongs to have a profound influence over the way individuals think, feel, and act. Students in Sociology will learn the skills necessary to understand what these social structures are, how they affect beliefs and behaviors and how individuals relate to each other. Students will develop a sociological imagination that will help them see the relationship between events in their lives and events in their society. Particular areas of study include culture, socialization, social structure and society.

CO-CURRICULAR CONNECTION:

International Relations Club

The International Relations Club gives students the opportunity to coordinate activities that promote intercultural understanding and to encourage cross-cultural communication in our school and community. Activities may include: Pen-pals, Model UN, inviting guest speakers to talk about international issues, or field trips that introduce students to different ideas and cultures.

Model United Nations Club

The Model UN Club is a role play/current events discussion club. Members meet to discuss and debate the current events of today's complex world. Members are responsible to read current periodicals and keep up with current political, social and economical trends to prepare for a conference in early March. The conference involves approximately 50 schools in Western New York and each prepares to represent a different country at the conference. Members compete and are judged on their ability to debate, present current information and prepare resolutions to some of the world's most complex problems.

TECHNOLOGY EDUCATION

... the bridge between problems and solutions through the application of knowledge

The skills, interests and ability levels of our students are diverse. The avenue that each student will travel to reach their occupational or career goals is also diverse. New York State has mandated 28 Learning Standards that students must meet. Technology Education offers each students the opportunity to enhance their chances to meet these standards.

Educators, parents and students realize that the skills necessary to become a productive member of our information - based society have changed. A student who emerges from our educational system must be flexible enough to keep pace with ever changing technology. Many of the jobs these students may end up in have not even been invented yet. The various course offerings in Technology Education bridge the gap between the needs of students today and the rapidly changing employment demands of tomorrow. All of these courses allow students to develop critical thinking and problem solving skills. We ask our students to write, read, do mathematical functions, use scientific principles and understand social and historical concerns as they relate to cutting edge real life activities. We provide the challenge that encourages students to become life long learners.

Each of these offerings allows the student the opportunity to explore occupational choices, and provide the skills, attitudes and knowledge that will allow them to succeed in the work place.

COURSE OFFERINGS

Course	Credit	Length
Electronics/Energy.....	1 Unit.....	40 Weeks
Design and Drawing for Production	1 Unit.....	40 Weeks
Transportation Systems/Aerospace Technology	1 Unit.....	40 Weeks
Construction Systems/Residential Structures	1 Unit.....	40 Weeks
Media Productions	1 Unit.....	40 Weeks
Television Production	1 Unit.....	40 Weeks
World of Technology.....	1 Unit.....	40 Weeks
Architectural Design and Drawing	1/2 Unit	20 Weeks

DESIGN AND DRAWING FOR PRODUCTION (DDP)

Credit: 1 Unit Length: 40 Weeks

*Satisfies the Art / Music requirement

DDP provides you with opportunities to be creative and to apply your decision - making and problem solving skills to design problems. You'll use powerful computer hardware and software to develop 3D models or solid renderings of objects. Using a Computer Aided Design System, you will learn the product design process through creating, analyzing, rendering and producing a model.

This course is an introduction to the universal language of technical drawing. Through the mastering of this language, utilizing the computer students will be able to express technical ideas with speed, clarity, and exactness. Design and Drawing for Production is a vehicle for world-wide industrial communications and an integral step in the process of designing and producing goods. Students will develop spatial visualization by solving practical design problems. The ideas become working drawings and from the drawings students are encouraged to make scale models of their solution. Thereby the process of sketching ideas, drawing details of all parts, and the actual production of the product completes the design cycle.

ELECTRONICS/ENERGY

Credit: 1 unit

Length: 40 weeks

This laboratory course is designed around the students solving problems that will help them learn:

Sources of energy

How people use energy

How energy is converted in useful forms

How a simple circuit functions

What various components do in a circuit

How electrical tools and equipment are used

Some activities include:

Wind turbines • Electric motors • House wiring

Printed circuit board assembly • Soldering

Digital circuit experimentation

TRANSPORTATION SYSTEMS/AEROSPACE TECHNOLOGY

Credit: 1 unit

Length: 40 weeks

Transportation Systems / Aerospace Technology communicates knowledge, skills and attitudes about the many systems that society uses to move people and freight. A special emphasis is placed on aerospace and its impact within the transportation sector.

As a problem solving laboratory course, students learn about:

Vehicles • Engines • Energy use • Energy Systems

Some activities include:

Model building • Model performance testing • Vehicle design

MEDIA PRODUCTIONS

Credit: 1 Unit

Length: 40 Weeks

Students who participate in this course will understand how various video production components such as audio and visual equipment will be used to apply media to a message. They will learn how to produce a message with electronic pre - production, production, and post-production equipment. This course emphasizes hands on activities as each student learns how to run all the video equipment in our state of the art studio.

Some activities might include:

Developing a critical eye to video

Preparing a storyboard and script

Using a video camera to capture images

Editing, and adding the sound and titles to the video

Working in the video studio

TELEVISION PRODUCTION

Credit: 1 Unit

Length: 40 Weeks

Prerequisite: Media Productions

This course builds on the knowledge gained in the media productions class. A more detailed approach will be given to the methods of television production. Students will direct and produce the daily live school newscast. Internships in local media outlets will be made available to those students who are interested and qualified. They will have the opportunity to work with people in the school and from the public as clients to produce short segments for public viewing. Students will be encouraged to enter their work for public display and competition. Some activities will require extra curricular time, however it is not mandatory.

CONSTRUCTION SYSTEMS

Credit: 1 Unit

Length: 40 Weeks

Students will investigate the organization of a construction project. They will review the inputs, processes, and outputs of a construction project either on an individual basis, in a small group setting or as a class. The projects will take the form of bridges, high-rise buildings, geodesic domes, and other school related possibilities. Students will also investigate the materials, procedures, economics, and systems used in the construction of residential dwellings. Topics will include related careers, finances, supplies, tools, equipment, techniques and safety considerations. Enrichment through visitations to residential projects at various stages will take place.

This will be accomplished through a series of laboratory activities, lessons, and discussions. Students will be encouraged to identify and solve problems with a 75% activity and 25% lesson/demonstration format.

WORLD OF TECHNOLOGY

Credit: 1 Unit

Length: 40 Weeks

*Satisfies the 3rd unit requirement of math or science

Through the World of Technology each student will be provided the opportunities to become engaged in critical thinking as they design and develop solutions to real world problems. They will be able to reach high levels of learning, develop their ability to innovate, and construct their own knowledge and understanding. This will be accomplished through the application of the concepts of math, science and technology.

ARCHITECTURAL DRAWING/CAD

Credit: 1/2 Unit

Length: 20 Weeks

Students will get a first hand look into the responsibilities of an architect in the building design process. Students will use state of the art software to produce floor plans and renderings. Examples of student projects include a vacation home, or commercial project. The class is designed for any student interested in the Architecture field.





PROJECT LEAD THE WAY ACADEMY

Project Lead The Way Academy is a series of 5 1/2 units taken over a four year time period which, when combined with regents math and science courses, introduces the student to the rigor and discipline of engineering, engineering technology and many technically dependant occupations. This is a nationally recognized program that meets or exceeds the NYS standards for math, science, and technology education.

The Academy is supported by an Advisory Board which currently includes the following companies, organizations and colleges:

West Seneca Central Schools • Cannon Design • Moog • LP Ciminelli Inc. • Delphi • APA Solutions
 East/West Senior Counselor Liason • SCORE • Louis Design Group • Wendel Duchscherer • Erie II BOCES
 Panneri Enterprises • GM Engine Plant • Keller Technologies

COURSE OFFERINGS

Project Lead The Way Academy	
Design and Drawing for Production (satisfies 1 Unit Art requirement)	1 Unit..... 40 Weeks
Digital Electronics	1 Unit..... 40 Weeks
Principles of Engineering	1 Unit..... 40 Weeks
Civil Engineering and Architecture	1 Unit..... 40 Weeks
Engineering Design and Development	1 Unit..... 40 Weeks
Graduation - Certificate of Studies in Pre-Engineering in addition to Regents Diploma or Regents Diploma with an advanced designation	

DESIGN AND DRAWING FOR PRODUCTION (DDP)

Credit: 1 Unit

Length: 40 Weeks

*Satisfies the Art/Music requirement

DDP provides you with opportunities to be creative and to apply your decision-making and problem solving skills to design problems. You'll use powerful computer hardware and software to develop 3-D models or solid renderings of objects. Using a Computer Aided Design System, you will learn the product design process through creating, analyzing, rendering and producing a model. This course is an introduction to the universal language of technical drawing. Through the mastering of this language, utilizing the computer students will be able to express technical ideas with speed, clarity, and exactness.

Design and Drawing for Production is a vehicle for worldwide industrial communications and an integral step in the process of designing and producing goods. Students will develop spatial visualization by solving practical design problems. The ideas become working drawings and from the drawings students are encouraged to make scale models of their product. Thereby the process of sketching ideas, drawing details of all parts and the actual production of the product is complete.

DIGITAL ELECTRONICS (DE)

Credit: 1 Unit

Length: 40 Weeks

Digital Electronics is a course in applied logic. You'll be introduced to the digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. You will study the application of digital logic and how digital devices are used to control automated equipment. You will use the industry standard, electronic design software to build circuits and to export designs to a printed circuit auto-routing program that generates printed circuit boards, using chips and other components.

PRINCIPLES OF ENGINEERING (POE)

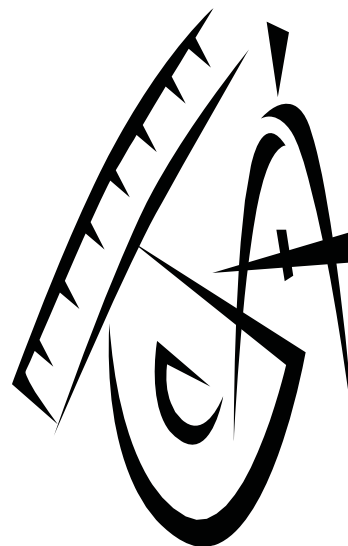
Credit: 1 Unit

Length: 40 Weeks

Goals:

1. To survey and simulate interest in engineering and engineering technology careers
2. To explore the relationship between math, science, technology and engineering

Principles of Engineering is a hands-on, laboratory based experience which will convey concepts and principles, skills, techniques and attitudes of engineering. The course will provide access to tools, machines and materials for individual and small group projects. The course is organized around a set of major concepts, skills and attitudes that are common and necessary to all engineering problems. These concepts, skills and attitudes will be addressed using real world applications as students build projects of their own design.



ENGINEERING DESIGN AND DEVELOPMENT (EDD)

Credit: 1 Unit

Length: 40 Weeks

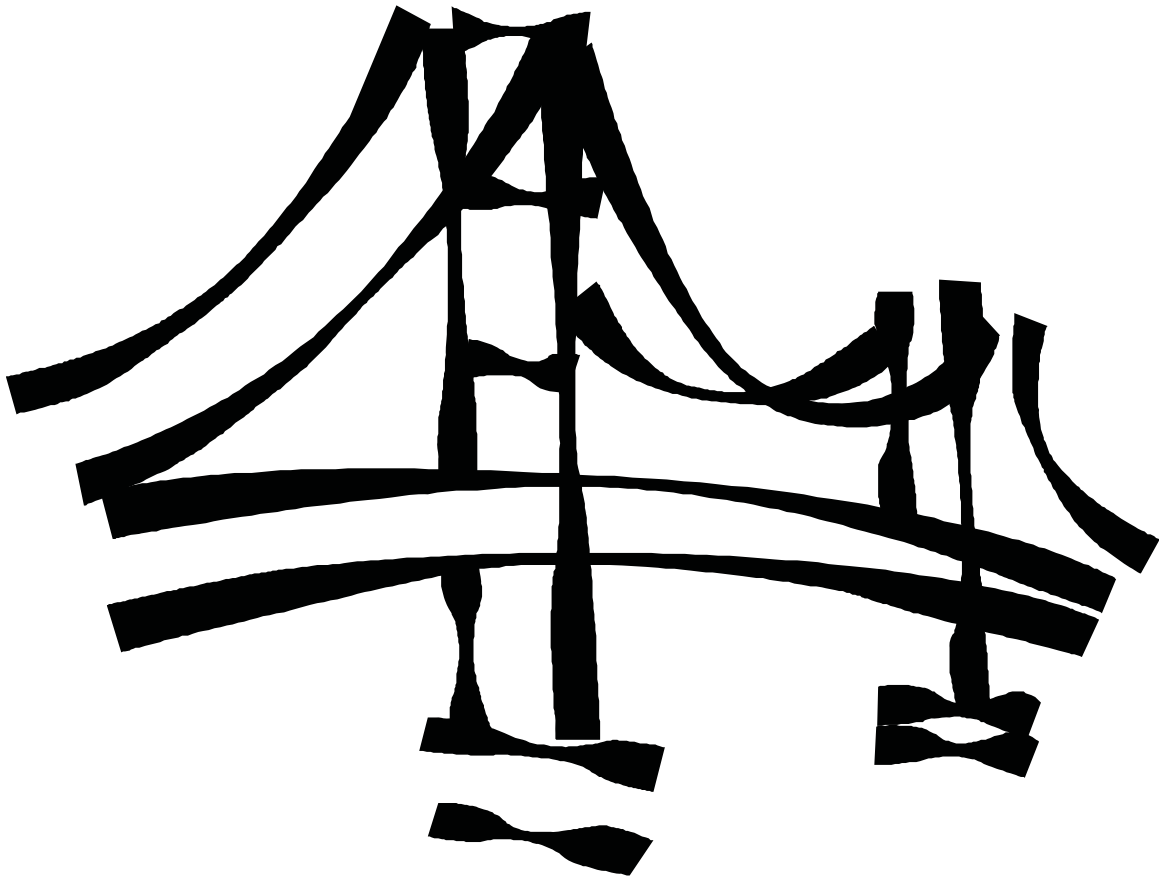
In this course, you will work on a team with one to three others to design and construct the solution to an engineering problem. The problems will involve a wide range of engineering applications (e.g., a school robo-mascot, automated solar water heater, remote control hovercraft, to name a few ideas). You will apply the principles you developed in the previous courses. A journal will become part of your portfolio. Each team will be responsible for delivering progress reports and making final presentations to an outside review panel. The completed portfolio will be invaluable when you begin applying to colleges.

CIVIL ENGINEERING AND ARCHITECTURE (CEA)

Credit: 1 Unit

Length: 40 Weeks

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use some of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers such topics as the roles of civil engineers and architects, project planning, site planning, building design and project documentation and presentation.



CAREER AND TECHNICAL EDUCATION

PROGRAMS • ERIE 1 BOCES

AUTO COLLISION REPAIR I AND II

3.75 credits per year 2 Year Program

The first 10 weeks of this program will consist of a core introduction to the automotive industry. Students will then specialize in Auto Collision Repair for the remainder of their two-year program. This program will cover the total process of restoring auto bodies including: metal straightening, glass and panel replacement, fiberglass repair and all painting preparation and finishing techniques. Students will also perform repairs on donated vehicles and participate in an internship at a local automotive collision repair facility.

AUTO TECHNICIAN TRAINING I AND II

3.75 credits per year 2 Year Program

The first 10 weeks of this program consist of a core introduction to the automotive technology industry. Students in Auto Technician Training will develop skills in the function, diagnosis, maintenance and repair of all systems of the automobile. They will use a variety of hand, power, and diagnostic tools and equipment. The opportunity to perform actual repairs on vehicles is provided.

BUILDING TRADES I AND II

3.75 credits per year 2 Year Program

This program offers instruction in carpentry and associated trade areas. The students will participate in construction modules of introduction to carpentry, foundation and floor framing, wall framing, ceiling and roof framing, interior/exterior finish, cabinet making and remodeling with an introduction to masonry, plumbing and electrical systems. Exposure to basic theory, work skills, tools and equipment, materials and career opportunities in these various fields is provided. Practical experience through a variety of in shop projects plus internships opportunities with regional contractors and businesses are provided to all students.

CERTIFIED PERSONAL TRAINER I AND II

3.75 credits per year 2 Year Program

This program will include topics in anatomy, physiology, kinesiology, fitness, anaerobics vs. aerobic training, new techniques in personal training, supplementation and starting your own personal trainer business. Upon completion of the program, students will be prepared to take the American Council on Exercise Certification Examination (ACE), which is a nationally recognized and accredited organization. The curriculum is a basic foundation to post-secondary studies in physical education, exercise physiology, athletic training, sports medicine and sports management. Students must have a complete physical on file before labs begin.

COSMETOLOGY I AND II

3.75 credits per year 2 Year Program

This program prepares students for subsequent employment in the profession of Cosmetology. Licensing is dependent on the completion of module 9. Instruction will enable students to provide beauty services in all the basic skills and current trends in the profession. A clinic experience in which outside customers participate in the school beauty salon allows students to practice hairdressing and customer relations skills. An internship will be required during the second year of the program.

CRIMINAL JUSTICE I AND II

3.75 credits per year 2 Year Program

The Criminal Justice System is composed of three major parts: law enforcement, the courts, and corrections. This program is designed to provide students with a basic understanding of the responsibilities and duties in the various kinds of occupations related to the field of Criminal Justice. Local professionals from agencies, businesses, and municipal governments participate in the program. The purpose of the program is two fold: first to prepare students for post-secondary education in Criminal Justice or related discipline. Second, to prepare students for entry level work in the Criminal Justice and Security fields.

CULINARY SKILLS I AND II

3.75 credits per year 2 Year Program

The major emphasis in this program is on quality of preparation and presentation in both small and large quantity cooking. Both theory and hands-on experience are included in such areas as: menu planning, methods of cookery, table service, food control, sanitation, and food costing. Advanced instruction includes basic managerial and supervisory techniques. Frequent catering for school activities and internships provides on-the-job experience. Thus students develop the necessary preparation, service, managerial and human relations skills for the food service industry.

CUSTOM PAINTING AND GRAPHICS

3.75 credits per year 1 Year Program

This program focuses on specialized painting and vinyl graphics used in automotive refinishing, sign shops and the textile industry. Students will learn airbrush techniques and preparation for painting metal, wood, plastics and textiles. Methods for pin-stripping, murals, faux finishing and graphics are incorporated into the program. All students will be placed on internships prior to completing the course in related career fields. Upon successful completion of all course requirements, students will have acquired skills and knowledge necessary for enrollment in post-secondary education or entry level positions in the Custom Painting and Graphics field.

EARLY CHILDHOOD EDUCATION I AND II

3.75 credits per year 2 Year Program

This program provides an in-depth study of Early Childhood Care & Education, (birth-9 years), including related managerial skills, curriculum writing, developmental theory and application. Students will observe, participate in, and develop a variety of activities for infants, toddlers, preschoolers, and young children. Competence in beginning for job skills will be stressed, and practiced in a variety of hands on situations both on and off site. Students will be ready to enter the job market as teacher aides or may apply for colleges. Students will create a professional portfolio, work in an on-site preschool and research a variety of early childhood topics.

ELECTRICAL SYSTEMS I AND II

3.75 credits per year 2 Year Program

This course deals with the application of electrical technologies in all phases of the Electrical Industry. It prepares students for the planning, installation, maintenance and troubleshooting of wiring systems in residential and light industrial settings according to the standards of the National Electrical Code. Instruction in principles of electricity, reading of blueprints and wiring diagrams, and proper use of tools and equipment is provided. Basic principles of solid-state electronics are included to enable students to install, repair, and replace operational systems.

ELECTRONICS AND COMPUTER TECHNOLOGY I AND II

3.75 credits per year 2 Year Program

This program provides the knowledge and skills needed to pursue a career as an electronics technician or electrical engineer in a wide range of fields including Consumer (personal computers, video gaming, radio and television products), Mobile (car audio & video, navigation, security), Telecommunications and Robotics. Students learn about electronics by constructing projects including personal computers, amplifiers, speaker boxes, digital clocks, power supplies, computer networks and robots. They also learn to use multimeters, oscilloscopes, logic probes and other test equipment to troubleshoot and repair electronic equipment. Upon graduation, students will be eligible to sit for the examinations to obtain three nationally recognized credentials and certifications; the Associate Level Certified Electronics Technician (CET), the Mobile Electronics Certified Professional (MECP) and the Commercial Operator license offered by the Federal Communications Commission.

FASHION DESIGN AND MERCHANDISING I AND II

3.75 credits per year 2 Year Program

The Fashion Design and Merchandising program has been developed to provide students with the necessary skills and knowledge to gain entry level employment or further their educa-

tion in the design, manufacturing and merchandising of garments and accessories. Year one of the program focuses on the world of fashion design. Students use state of the art computer software, sewing machines and serges to create their designs. The curriculum includes units of study in fabric, color, fashion design, salesmanship and retail management. A spring fashion show will highlight the students' designs. In the second year, students use Virtual Business Management/Retail software to simulate retail management. Videos, guest speakers, field trips and internship experience enhance studies.

GRAPHIC DESIGN TECHNOLOGY I AND II

3.75 credits per year 2 Year Program

In the Graphic Design program, students apply state-of-the-art technology and traditional design principles to meet current industry standards. The curriculum offers skill development in: graphic fundamentals, typography, digital imaging, web-site design and multimedia development. Students will have access to Macintosh computers with OSX (operating system) and gain knowledge of QuarkXpress or Adobe InDesign, Adobe Illustrator and Adobe Photoshop software. Students successfully completing this program will have the knowledge and hands-on experience needed for entry-level positions within the graphics and printing industries and/or the opportunity to enroll in post-secondary education programs.

HEALTH CAREERS I

3.75 credits per year 2 Year Program

This program is designed to aid students in deepening their awareness of health care careers. Students learn the importance of health and wellness promotion as an integral element of any health related career. Health Careers gives the student an opportunity to examine individual health lifestyle in order to aid in making an informed decision of career choice in health related services. The core curriculum provides basic skills, knowledge, and attitudes common to present and emerging health careers. Units of study in the first year of this program form the basic foundation for more specialized study in Allied Health or Introduction to Nursing in the second year. Students must have a complete physical with current immunization on file before clinical labs begin.

HEALTH CAREERS II-ALLIED HEALTH

3.75 credits per year 2 Year Program

The Allied Health program prepares students for a pathway in a sports or allied health care field and is an ideal choice for interests in health careers other than nursing. The study of medical terminology and the human body in health and disease add insight for the student pursuing any medical/health career. Administrative and clinical skills are addressed to enable the student to develop the knowledge and behaviors necessary to meet the current need for multi-skilled workers in a variety of medical or health-related office/clinic settings. (A student does not need to complete Health Careers 1 to enroll in Allied Health)

HEALTH CAREERS II-INTRODUCTION TO NURSING

3.75 credits per year 2 Year Program

The Introduction to Nursing Program is intended for students interested in pursuing careers in the nursing field. The course covers areas basic nursing skills, nursing process, anatomy and physiology, microbiology, pharmacology, nutrition, medical terminology, pre and post operative care as well as exploring different careers in the nursing field. The program is designed to prepare students for post-secondary education in nursing and to give students the opportunity to work in a hospital or skilled nursing facility through

hands on training. They will also have the opportunity to take a certified nursing examination to become a certified nursing assistant. (A student does not need to complete Health Careers 1 to enroll in Introduction to Nursing).

WEB TECHNOLOGY AND APPLICATIONS I AND II

3.75 credits per year 2 Year Program

This program has been designed as a survey course to provide students with a broad range of computer-related experiences. Working in a Windows network environment, students complete extensive, project-oriented training in Word, Excel, PowerPoint, Publisher, and Access. They learn to program simple software applications using VisualBasic and how to write basic HTML code to create Web pages. In addition, students are provided with an introduction to the Cisco Networking and Computer Repair Technology programs, which they may choose as alternate, Senior-year options. In Information Technology - 2, individuals build on their foundations in Database Management, Web Page Design, and Application Development. They add to their database knowledge, by completing advanced projects in Access; exploring the basics of the SQL Server database; and learning to use Crystal Reports. Students begin to create multimedia Web pages using MS-FrontPage and Macromedia's Studio MX software suite, including: Dreamweaver, Flash, and Fireworks. Lastly, students build on their knowledge of application development, by completing advanced projects in VisualBasic.

WELDING I AND II

3.75 credits per year 2 Year Program

Students will acquire knowledge and skills in metal cutting and joining techniques. Instruction is given in methods of measurement, layout, equipment setup and operation. Students will become familiar with the tools and equipment of the metal fabrication industry including: blue print reading, oxyacetylene and plasma cutting, brazing, shielded metal arc welding, gas metal arc welding, flux core arc welding and gas tungsten arc welding of ferrous and non ferrous materials. Essential shop mathematics and English are taught throughout the course, which align with the NYS learning standards. Students are taught the skills needed to meet the guidelines of the American Welding Society to qualify as an entry level welder. Students completing the course will have a career portfolio. Students may choose to enter the workforce or continue their education to further develop their knowledge and skills in the welding and fabrication industry.

ACHIEVEMENT AWARD

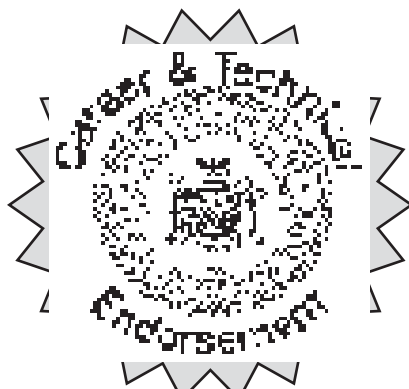
To encourage students to reach their full potential and to recognize their accomplishment and efforts, Career and Technical Education Achievement Awards are issued. Awards are given to students who develop the essential skills required for the workplace.

Award Requirements:

- Completion of all program requirements •
- Average of at least 85% for the two years •
- Good attendance (15 days absence per year - Maximum of 30 days for two years) •
- Punctuality (Maximum of 10 days late per year) •
- Portfolio in program area with 75% average •

REGENTS DIPLOMA WITH A TECHNICAL ENDORSEMENT

Students enrolled in a New York State approved Career and Technical Education program who successfully complete all requirements are eligible to have a technical endorsement affixed to their High School Diploma.



Requirements for a technical endorsement include:

- Completion of the required units of credit for graduation
- Passing grades on the 5 required Regents examinations or approved alternatives
- Successful completion and passing of a national technical assessment (NOCTI)
- Successful completion of portfolio

The technical endorsement is imprinted on a seal to be affixed to the Diploma and says: "Career and Technical Endorsement".

FOUR YEAR PLAN FOR GRADUATION

48 Career Goals _____

Check One: Regents Diploma

Regents Diploma with an Advanced Designation

Date _____

Language bypass _____

	8	9	10	11	12	Total Credits
English 11	English 11	English 21	English 31 <input type="checkbox"/> Regents	English1		
Math.....1 <input type="checkbox"/> Regents	Global History I1	Global History II1 <input type="checkbox"/> Regents	U.S. History1 <input type="checkbox"/> Regents	Part. in Gov't 1/2 Economics 1/2		
Science.....1 <input type="checkbox"/> Regents	Math.....1 <input type="checkbox"/> Regents	Math.....1 <input type="checkbox"/> Regents	Math.....1 <input type="checkbox"/> Regents	S/M/T1		
Language.....1 <input type="checkbox"/> Proficiency	Science.....1 <input type="checkbox"/> Regents	Science.....1 <input type="checkbox"/> Regents	Language.....1 <input type="checkbox"/> Regents	Language.....1 <input type="checkbox"/> Regents		
	Art/Music or Equivalent.....1					
	Career and Financial Management.....1/2	Health.....1/2				
	Physical Education.....1/2	Physical Education.....1/2	Physical Education.....1/2	Physical Education.....1/2	Physical Education.....1/2	22 Credits Required

Additional Academy Requirements

In addition to courses outlined on the Four Year Plan for Graduation, participants in their respective academy must complete the following coursework:

Academy Name	9	10	11	12	Total Credits		
Academy of Information Technology (AOIT)		Intro to Info Tech .	1	Logic for Programming ----- Database Mgt. ----- Internet & Web. ----- CMP Beep	1	1/2	AOIT Internship . . 1/2 or 1 ----- College Course ** 3 college credits
				FA Accounting ----- FA Economics. ----- Acad/CMP-BEEP..	1 1/2 1/2	1/2	
				FA Keyboarding/ Computer Apps	1	1/2	FA Internship. 1/2 or 1 College Course **3 college credits
Finance Academy (FA)				FA Banking. ----- FA Financial Planning.	1 1/2	1/2	
Pre-Engineering-Project Lead the Way (PLTW)				PLTW/Principles of Engineering (POE). ----- PLTW/Civil Engineering and Architecture (CEA).	1 1	1	
		Drawing for Design & Production (DDP)...	1		1		
Academy of Education (AE)				AE/Foundations of Education. ----- Acad/CMP-BEEP ..	1	1/2 1/2	
				AE/Child Psychology. ----- AE/Adolescent Development.	1/2 1/2	1/2 1/2 or 1	
Academy of Visual Arts (AVA)				AVA - Art Portfolio Development ----- Art Elective	1 1/2	1	
		Studio in Art	1		1		

PUBLIC NOTICE

In compliance with Title IX, Educational Amendments of 1972 and its implementing Federal Rules and Regulations, Subpart A, Part 86. Paragraph 86.9, the following Notice is herewith submitted:

The West Seneca Central School District does not discriminate on the basis of sex in the educational programs or activities which it operates and it is required by Title IX of the Educational Amendments of 1972 not to discriminate in such a manner. This policy of nondiscrimination includes the following areas:

Recruitment and appointment of employees; employment pay and benefits; counseling services for students; access by students to educational programs, course offerings and student activities.

The District official responsible for the coordination of activities related to compliance with Title IX is:

Mr. Patrick Phelan, Assistant Superintendent for Human Resources
1397 Orchard Park Road • West Seneca, New York 14224 • (716) 677-3126

The official will provide information, including compliance procedures to any student or employee who feels that his or her rights under Title IX may have been violated by the District or its official.