



Connetquot High School

Course Guide

http://www.ccsdli.org/our_schools/connetquot_high_school

2024-2025



CONNETQUOT CENTRAL SCHOOL DISTRICT OF ISLIP

HELEN R. MALONEY ADMINISTRATION BUILDING
780 Ocean Avenue, Bohemia, New York 11716-3629
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District Website: www.ccsdli.org

Board of Education

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Joseph T. Centamore, Ed.D.
Superintendent of Schools

Jessie Kemp, *District Clerk*

Dear Connetquot High School Students,

You are currently in a very exciting time in your lives, one that will be filled with fond memories, wonderful academic and co-curricular experiences, as well as important choices as you begin to prepare for your post-high school endeavors. Connetquot High School is renowned for its array of course offerings in a variety of areas to address your graduation requirements, pathway pursuits and special diploma endorsements. You can tap into areas of interest through the extensive selection of electives, while also expanding your horizons to new learning adventures, including Career and Technical Education exploration opportunities.

Invest in your future success and take the initiative. Challenge yourself with rigorous courses. Connetquot High School offers close to thirty Advanced Placement-level courses and over twenty college courses through partnerships with Farmingdale State College, LIU/Post, St. John's University, Stony Brook University and Suffolk County Community College. Consider selecting coursework that will prepare you for employment opportunities immediately following high school, like Computer Aided Design and Drawing, Automotive, Woodworking and Residential Structures, and CompTIA A+ Core 1 and Core 2 classes. Participation in Connetquot High School's Business Academy will allow you to achieve a Career and Technical Education designation on your high school diploma. Our Work Based Learning Program can provide you with educational experiences that forge a connection among school, work, and post-secondary education, and includes a Job Shadow opportunity, an Internship Program, and a School to Work Program allowing you to earn credit for working part-time while participating in Business courses.

Be engaged and become an active participant in your school community. There are so many avenues to get involved in, from drama and music, to clubs and activities, to interscholastic athletics. These listings can all be found in this course guide. If you are considering participating in collegiate athletics, also be sure to review the section on NCAA eligibility.

Seize the day by taking advantage of all that Connetquot High School has to offer. This is the T-Bird way!

Educationally yours,

A handwritten signature in black ink, appearing to read "Joseph T. Centamore".

Joseph T. Centamore, Ed.D.
Superintendent of Schools



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INTRODUCTION

This Course Guide provides students and parents with information necessary to design a proper secondary educational program. In addition to a description of the courses offered by the high school and the Board of Cooperative Educational Services (BOCES), information on diploma requirements, selection of courses, and required subjects for all students is included. Information about the Counseling Department for each secondary school is listed below for students and parents who have any questions concerning the material contained in this handbook.

COUNSELING DEPARTMENT OFFICE HOURS AND PHONE NUMBERS

Connetquot High School

631-244-2228, option #2 for Guidance Department

7:00 a.m.—3:00 p.m.

[Guidance Department Website](http://www.ccsdli.org/our_schools/chs_guidance_department)

http://www.ccsdli.org/our_schools/chs_guidance_department

GUIDANCE COUNSELORS

ELIZABETH ALBERT
MICHELE JAQUEZ

MATTHEW BUDERMAN
MICHAEL QUIROZ
KIRSTEN ULRICH

PHILLIP CLARK
CRISTY TURNER

Ronkonkoma Middle School

631-467-6000

7:00 a.m.—3:00 p.m.

GUIDANCE COUNSELORS

Kathleen Justino
Tara DiMaio
Tanya Vassallo

Oakdale-Bohemia Middle School

631-244-2268

7:00 a.m.—3:00 p.m.

GUIDANCE COUNSELORS

Lori Harned
Marielle Coffin
Stephanie Zabbia

TITLE IX AND SECTION 504, AMERICANS WITH DISABILITIES ACT (ADA)

This is to advise students, parents, employees and the general public that all educational opportunities are offered without regard to sex, race, color, national origin or handicapping condition.

To resolve complaints alleging discrimination based upon Title IX, contact the Director of Pupil Personnel Services at 631-244-2215, option #6, option #4 or the Director of Human Resources at 631-244-2215, option #2. Both Title IX Officers are located at the Central Administration Building, 780 Ocean Avenue, Bohemia, NY 11716.

To resolve complaints alleging discrimination based upon disability Section 504/ADA, please contact the Director of Special Education, 780 Ocean Avenue, Bohemia, NY 11716, telephone: 631-244-2219.



MINIMUM DIPLOMA REQUIREMENTS

Required Courses	Regents Diploma with Advanced Designation	Regents Diploma	Local Diploma
English	4 Units	4 Units	4 Units
Social Studies	4 Units (1 US History, 2 Global History and Geography, ½ Participation in Government, ½ Economics)	4 Units (1 US History, 2 Global History and Geography, ½ Participation in Government, ½ Economics)	4 Units (1 US History, 2 Global History and Geography, ½ Participation in Government, ½ Economics)
Mathematics	3 Units	3 Units	3 Units
Science	3 Units (1 life science and 1 physical science)	3 Units (1 life science and 1 physical science)	3 Units (1 life science and 1 physical science)
Health	½ Unit	½ Unit	½ Unit
Art or Music	1 Unit	1 Unit	1 Unit
Electives	1½ Units	3½ Units	3½ Units
Physical Education	2 Units (participation each semester)	2 Units (participation each semester)	2 Units (participation each semester)
World Language	3 Units or 1 Unit and a 5 Unit sequence in the Arts or CTE.	1 Unit	1 Unit
Total	22 Units	22 Units	22 Units

REQUIRED EXAMS

Regents Diploma with Advanced Designation (minimum passing score is 65)	Regents Diploma (minimum passing score is 65)	Local Diploma (minimum passing score is 55 for students with disabilities)
English Language Arts Regents	English Language Arts Regents	English Language Arts Regents
Algebra, Geometry, Algebra II Regents	1 Math Regents	1 Math Regents
1 Social Studies Regents	1 Social Studies Regents	1 Social Studies Regents
2 Science Regents (1 must be life science and 1 must be physical science)	1 Science Regents	1 Science Regents
Locally developed Checkpoint B LOTE Exam*		
4+1 Pathway Option	4+1 Pathway Option	4+1 Pathway Option

*Students may substitute the 2 units in World Language and the locally developed Checkpoint B LOTE Exam for a 5 unit sequence in the Arts or CTE.

Pathway Assessment Options:

A student must either complete all the requirements for the CDOS Commencement Credential (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/cdos-field-memo-june-2016.pdf>); or

- ◇ Pass an additional math Regents exam in a different course or Department Approved Alternative; or
- ◇ Pass an additional science Regents exam in a different course or Department Approved Alternative; or
- ◇ Pass an additional social studies Regents exam in a different course or Department Approved Alternative; or
- ◇ Pass an additional English assessment in a different course selected from the Department Approved Alternative list; or
- ◇ Pass a Department approved CTE pathway assessment, following successful completion of an approved CTE program; or
- ◇ Pass a Department approved pathway assessment in the Arts; or
- ◇ Pass a Department approved pathway assessment in a Language other than English (LOTE)

See Multiple Pathways (<http://www.nysed.gov/curriculum-instruction/multiple-pathways>).

See Department Approved Alternatives (<http://www.p12.nysed.gov/assessment/hsgen/archive/list.pdf>).

Appeals:

Appeals are subject to local District approval by the Superintendent. See information on an Appeal to Graduate with a Lower Score on a Regents Examination (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/3-18appealformincludingell-swdmarch2018.pdf>).

Special Endorsements:

- ◇ **Honors:** A student earns a computed average of at least 90 on the Regents examinations applicable to either a Regents Diploma or a Regents Diploma with Advanced Designation. No more than 2 Department Approved Alternatives can be substituted for Regents examinations and the locally developed Checkpoint B LOTE examination is not included in the calculation.
- ◇ **Mastery in Math and/or Science:** A student meets all the requirements for a Regents Diploma with Advanced Designation AND earns at a score of 85 or better on 3 math Regents examinations and/or 3 science Regents examinations.
- ◇ **Technical Endorsement:** A student meets the requirements for either a Local Diploma, a Regents Diploma, or a Regents Diploma with Advanced Designation AND successfully completes a Department Approved CTE program including the 3 part technical assessment.

Language Other Than English (LOTE) Exempt Students:

Students with a disability may be excused from the requirement from the required units of credit in LOTE if so indicated on the IEP, but must still earn 22 units of credit to graduate. A LOTE exempt student who seeks a Regents Diploma with Advanced Designation, does NOT have to complete the 5unit sequence in the ARTs or CTE in lieu of LOTE in order to meet the assessment requirements for the Advanced Diploma.

CAREER DEVELOPMENT OCCUPATIONAL STUDIES (CDOS) COMMENCEMENT CREDENTIAL

Under the new “4+CDOS” pathway option, beginning June 2016 and thereafter, a student may graduate with a high school diploma if the student meets the graduation course and credit requirements established in section 100.5 of the Regulations of the Commissioner of Education; passes four required Regents Exams or Department-approved alternative assessments (one in each of the following subjects: English, mathematics, science, and social studies); and meets the requirements to earn the New York State (NYS) CDOS Commencement Credential.

In addition, the regulations were revised to expand the opportunity to all students to earn the NYS CDOS commencement credential. Previously, only students with disabilities could exit school with a NYS CDOS Commencement Credential as a supplement to a regular high school diploma. Students who are unable to earn a regular diploma may graduate with the NYS CDOS Commencement Credential as their only exiting credential. A copy of the full text of the amendment may be found at: <http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/cdos-field-memo-june-2016.pdf>.



CREDIT BY EXAMINATION

A student may earn a maximum of 6-1/2 units of credit for either a Regents or a local diploma without completing units of study for such units of credit, if:

- ◇ based on the student's past academic performance, the Superintendent or his/her designee, determines that the student will benefit academically by exercising this alternative, and
- ◇ the student achieves a score of at least 85 percent, or its equivalent as determined by the commissioner, on a State-developed or State-approved assessment pursuant to section 100.2;
- ◇ the student passes an oral examination or successfully completes a special project to demonstrate proficiency, in such knowledge, skills and abilities normally developed in the course but not measured by the relevant Regents examination or State-approved examination if used, as determined by the principal; and
- ◇ the student attends school, or received substantially equivalent instruction elsewhere, in accordance with section 3204(2) of the Education Law, until the age of 16, pursuant to sections 3204 and 3205 of the Education Law.

SPECIAL EDUCATION SAFETY NET

55-64 Regents Examination Pass Score Option for Students with Disabilities

While the RCT safety net ends with the class of students that entered grade 9 during the 2010-11 school year, the local diploma option remains available to all students with disabilities provided they earn a score of 55-64 on one or more required Regents examinations. There is currently no regulatory sunset date for this graduation Safety Net option for students with disabilities.

45-54 Regents Examination Pass Score Option for Students with Disabilities

This regulation provides students with a disability the option to earn a local diploma through the use of a "compensatory option" if the student:

1. Scores between 45-54 on one or more of the five required Regents exams, other than the English language arts exam or mathematics exam, but scores 65 or higher on one or more of the required Regents exams. A score of 65 or higher on a single examination may not be used to compensate for more than one examination for which a score of 45-54 is earned.
2. Obtains a passing grade for the course in the subject area of the Regents examination in which he or she received a score of 45-54.
3. Has a satisfactory attendance rate in accordance with the District's attendance policy.
4. Is not already using a passing score on one or more Regents Competency Tests (RCTs) to graduate with a local diploma.

Superintendent Determination of Graduation with a Local Diploma

For students with disabilities, otherwise eligible to graduate in June 2016 and thereafter, upon receipt of a written request from an eligible student's parent, a school superintendent (or the principal/head of school of a registered nonpublic school or charter school, as applicable) may make a local determination that a student with a disability has otherwise met the standards for graduation with a local diploma when such student has not been successful, because of his/her disability, at demonstrating proficiency on the Regents examinations required for graduation. Complete conditions regarding the Superintendent's Determination can be found at: <http://www.p12.nysed.gov/specialed/publications/documents/superintendent-determination-option-field-advisory.pdf>

SKILLS AND ACHIEVEMENT COMMENCEMENT CREDENTIAL FOR STUDENTS WITH SEVERE DISABILITIES

Beginning in the 2013-2014 school year, the Regulations of the Commissioner of Education have been amended to replace the New York State (NYS) Individualized Education Program (IEP) Diploma with a Skills and Achievement Commencement Credential for students with severe disabilities who are eligible to take the New York State Alternate Assessment (NYSAA). The Skills and Achievement Commencement Credential will provide this group of students who are exiting school after attending at least 12 years, excluding kindergarten, with a commencement certificate.

NOTEWORTHY INFORMATION

COURSE LEVEL CHANGES

All course requests, including level changes, are finalized in the spring prior to the new school year. Dropping courses is not recommended. A student taking a required course may request a change in ability level up to the 10th week of school. This practice provides teachers with ample time to assess the skill levels of their students and make recommendations for changes in their programs. For example, a student struggling in an AP class may switch to a Regents or Honors level class with no penalty. Conversely, a student may move up a level. (Note: Any level changes must have the approval of the Parent, Teacher and the Director/Chair.)

DROPPING/ADDING COURSES

All course requests are finalized in the spring prior to the new school year. Year long courses cannot be dropped after five (5) weeks. Half-year classes cannot be dropped after two (2) weeks. Every attempt should be made to replace a dropped course with a credit-bearing course (study hall is not a credit-bearing course). **Any changes after the drop/add window will result in a student receiving a grade of WP (withdrawn passing) or WF (withdrawn failing) on the transcript.

ADVANCED PLACEMENT (AP)

Advanced Placement courses offer students an opportunity to take a course taught on a college level. Both enrichment and college credit are available to the dedicated student. Intensive classroom work, independent study, and research are integral parts of the program. The cost of taking AP Examinations is absorbed by the student. The examination is administered by the College Entrance Examination Board and a five-point college-level scale is used. According to the College Board, currently more than 90% of colleges and universities offer college credit, advanced placement, or both, for qualifying AP scores. AP Examinations must be taken to receive Level 1 (1.1 weighting) as well as AP designation for the course taken on a transcript. If a student chooses not to take an AP exam, the student will receive a Level 2 (1.05 Honors Weighting), but will still receive the AP designation for a course taken on the transcript.

GRADE PLACEMENT PROMOTION

For promotion or advancement to the next grade level, credit accumulation must be as follows: Freshmen must earn 5.5 credits to advance to Sophomore status; Sophomores must have earned 11 credits to advance to Junior Status; Juniors must have earned 16.5 credits to advance to senior status; and Seniors must have earned 22 credits to graduate. (*See pages 6 –9 for graduation requirements.)

REQUIRED SCHOOL DAY & SUBJECT CREDIT LOAD FOR STUDENTS

The school day for all pupils in grades 9 through 12 shall be a minimum of 5.5 hours exclusive of the time allowed for lunch. In order to obtain an education that properly prepares students, the students must complete course work and homework demonstrating substantive academic achievement.

The minimum credit load during the academic year students are scheduled for is 7.0 credits (per semester). This includes Physical Education. All high school students must maintain continuous enrollment in physical education. **Two (2) credits of Physical Education are required for graduation. Students earn a .5 credit each year for PE in grades 9-12.**



CLASS RANKING AND GRADING PROCEDURES

GRADE LEVEL PLACEMENT	
CLASS LEVEL	CREDITS
FRESHMAN	0.0 to 5.5
SOPHOMORE	5.5 to 11.0
JUNIOR	11.0 to 16.5
SENIOR	16.5 to 22.0

Students who entered Grade 9 in 2012 and thereafter

1. A preliminary sixth semester ranking is done by early September of the Senior year for the purpose of college admissions.
2. A final ranking is done at the end of the 7th semester for all completed courses. The Valedictorian and Salutatorian will be selected on the basis of this ranking.
3. The weighted-average determines ranking. Students taking high school courses in Grade 8 will also have grades from those courses included in their weighted averages to determine rank. (Level 3 1.0 weighting).
4. Class rank is calculated based on the weighted average for all High School credit bearing courses that receive a numerical grade.

The weighted-grading system being used is:

AP Courses	1.1	(Level 1)
Honors	1.05	(Level 2)
All Others including Support Labs	1.0	(Level 3)

5. Students who share the same weighted-average shall share the same numerical position in the class rank.
6. Averages will not be calculated for students who have an Incomplete for a marking period grade. When a number grade replaces the incomplete, the averages will be calculated, and a new report card issued. Please note that students with an "Incomplete" are not eligible for honor roll recognition for that marking period.
7. Resource class grades are excluded from honor roll calculations and averaging.

****Transcripts reflect weighted average.***

Formula to Calculate Weighted Average

$$\frac{\text{Sum (Grades x Credits x Course Weight)}}{\text{Sum (All Credits Earned)}}$$

NOTEWORTHY INFORMATION - Cont. ...

HIGH SCHOOL COURSES FOR COLLEGE CREDIT

Connetquot High School provides students an opportunity to take college courses and earn college credits while learning in the high school environment through five (5) universities: St. John's University, Farmingdale State College, LIU/CW Post, Stony Brook University, and Suffolk Community College. All courses offered by the post-secondary institutions listed above carry credit which may be applicable toward a degree at other colleges and universities. Applications with registration instructions will be distributed through the classroom teachers in September and January. Each institution has specific eligibility requirements and registration procedures that must be followed to ensure proper registration and receipt of course credit. Please note that the tuition fees are for the current school year and are subject to yearly increases. In the event that a student chooses to withdraw from a course, they must follow the deadlines and withdrawal procedures established by the credit granting institution. Please realize that there will be no financial reimbursement by the college or university if this occurs. To receive college credit for dual-enrolled classes taken at Connetquot High School, students must request transcripts directly from the Registrar's Office of the college or university granting credit. The credit bearing institution determines grade level eligibility for college credit.

Institution	Credits Available	Half Yr./ Full Yr.	CHS Department	CHS Course # and Name
LIU/CW Post	3	Half Yr.	Business	1304 - Entrepreneurship
Farmingdale State College	3	Full Yr.	Business	1310 - Microsoft Office
Farmingdale State College	3	Full Yr.	Business	1312 - College Accounting
LIU/CW Post	3	Full Yr.	Business	1314 - Business Law
Farmingdale State College	3	Half Yr.	Business	1323 - Sports Management
Farmingdale State College	3	Half Yr.	Business	1324 - Sports Marketing
Stony Brook University	3	Half Yr.	Business	1325 - Digital Generation
Farmingdale State College	3	Full Yr.	Business	1331 - Personal Financial Literacy
Farmingdale State College	3	Half Yr.	Business	1334 - Wall Street
Farmingdale State College	6	Full Yr.	Business	1337 - Virtual Enterprise
Farmingdale State College	3	Half Yr.	Business	1342 - Intro to Marketing
Farmingdale State College	3	Half Yr.	Business	1344 - Fashion Marketing
Farmingdale State College	3	Half Yr.	Business	1370 - Entertainment Marketing
LIU/CW Post	3	Full Yr.	FACS	813 - Nurturing Young Children's Dev.
Suffolk County CC	6	Full Yr.	Mathematics	328 - AP Statistics
Farmingdale State College	4	Full Yr.	Mathematics	340 - Pre Calculus
Farmingdale State College	4	Full Yr.	Mathematics	341 - Pre Calculus Honors
LIU/CW Post	8	Full Yr.	Science	475 - College Med. Ant/Phys
LIU/CW Post	6	Full Yr.	Social Studies	206 - AP Euro Hist/Western Civ I/II
LIU/CW Post	3	Half Yr.	Social Studies	221 - Ethics and Philosophy
LIU/CW Post	3	Half Yr.	Social Studies	228 - Positive Psychology I
Stony Brook University	3	Half Yr.	Social Studies	229 - Maritime Culture & History
LIU/CW Post	3	Half Yr.	Social Studies	231- Psychology II
LIU/CW Post	3	Half Yr.	Social Studies	231- Urban Studies & Sociology
Farmingdale State College	3	Half Yr.	Social Studies	244 - Intro to Anthropology
Farmingdale State College	3	Half Yr.	Technology	1219 - Robotics II
Suffolk County CC	3	Half Yr.	Technology	1230 - Advanced Automotive
St. John's University	6	Full Yr.	World Lang.	505 - College French
St. John's University	6	Full Yr.	World Lang.	510 - College Italian
St. John's University	6	Full Yr.	World Lang.	519 - College Spanish



TABLE OF WEIGHTED COURSES

Weighted Grades are determined consistent with the description outlined on the prior page.

COURSE GRADE	<u>AP – 1.1</u> (Level 1)	<u>Honors – 1.05</u> (Level 2)	<u>All Others – 1.0</u> (Level 3)
100	110	105	100
99	108.9	103.95	99
98	107.8	102.9	98
97	106.7	101.85	97
96	105.6	100.8	96
95	104.5	99.75	95
94	103.4	98.7	94
93	102.3	97.65	93
92	101.2	96.6	92
91	100.1	95.55	91
90	99	94.5	90
89	97.9	93.45	89
88	96.8	92.4	88
87	95.7	91.35	87
86	94.6	90.3	86
85	93.5	89.25	85
84	92.4	88.2	84
83	91.3	87.15	83
82	90.2	86.1	82
81	89.1	85.05	81
80	88	84	80
79	86.9	82.95	79
78	85.8	81.9	78
77	84.7	80.85	77
76	83.6	79.8	76
75	82.5	78.75	75
74	81.4	77.7	74
73	80.3	76.65	73
72	79.2	75.6	72
71	78.1	74.55	71
70	77	73.5	70

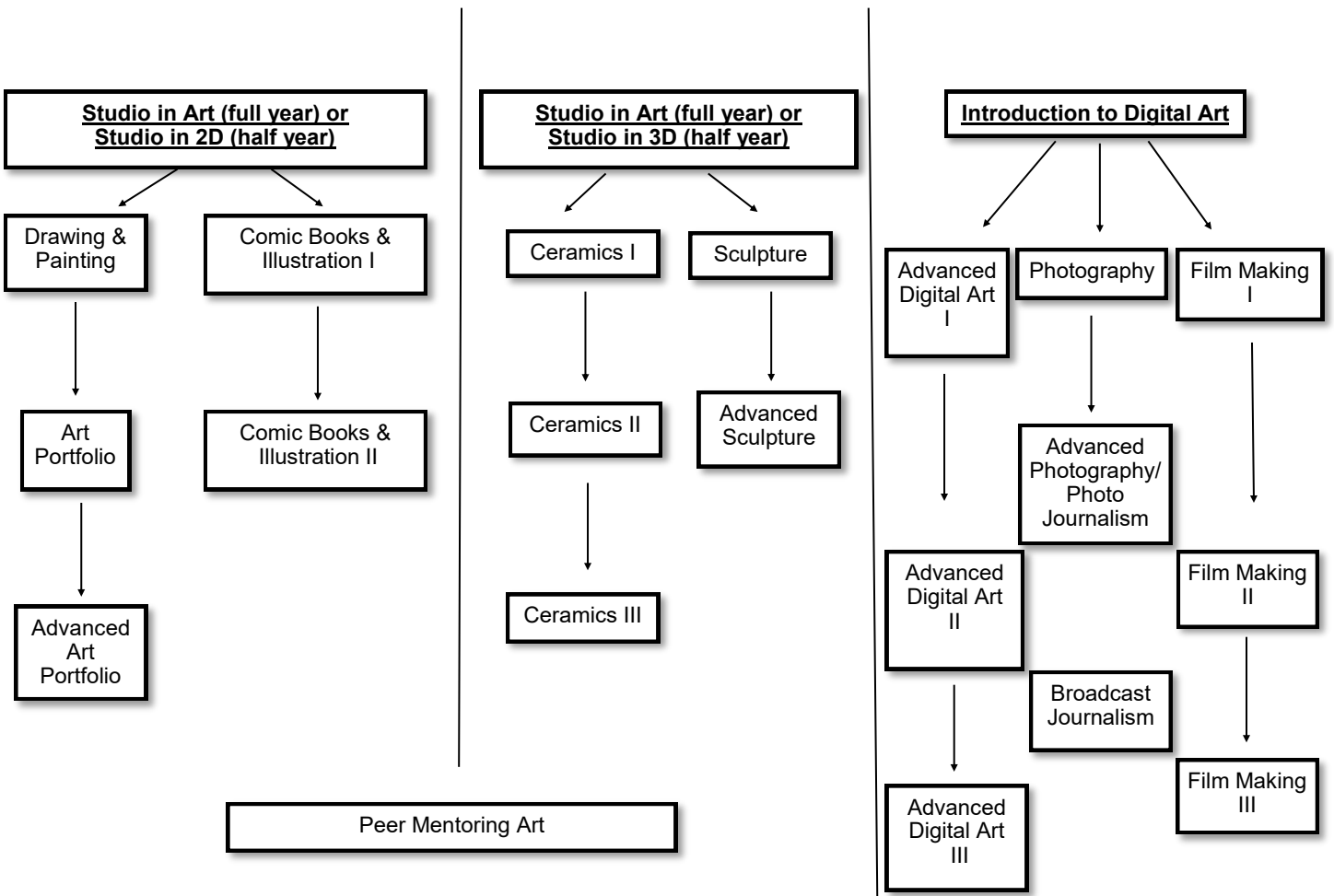
ART EDUCATION

ART DEPARTMENT COURSE SEQUENCE

Special Note - The flow chart below illustrates possible pathways students may take. See course prerequisites in the Art Department for further details.

The Five Credit Art Sequence:

Students who complete a five-credit Arts sequence for a Regents Diploma with Advanced Designation may be exempt from the three-credit second language requirement. Students who select this sequence must earn a total of five credits from the following art courses.



AP Art History
 This course is intended for serious students. Students need **not** have completed prior Art classes.



ART COURSES	9	10	11	12	Full or Half Year
TRADITIONAL ART					
703 - Studio in Art 2D	√	√	√	√	Half Year
705 - Studio in Art 3D	√	√	√	√	Half Year
707 - Studio in Art (combination of 2D & 3D)	√	√	√	√	Full Year
713 - Drawing and Painting		√	√	√	Full Year
710 - Ceramics I		√	√	√	Full Year
711 - Ceramics II			√	√	Full Year
712 - Ceramics III			√	√	Full Year
770 - Art Portfolio			√	√	Full Year
720 - Sculpture		√	√	√	Full Year
724 - Advanced Sculpture			√	√	Full Year
772 - Comic Books & Illustration I	√	√	√	√	Full Year
773 - Comic Books & Illustration II		√	√	√	Full Year
709 - Peer Mentoring Art		√	√	√	Half Year
DIGITAL ART					
708 - Introduction to Digital Art	√	√	√	√	Full Year
716 - Photography		√	√	√	Full Year
717 - Advanced Photography/Photo Journalism			√	√	Full Year
730 - Advanced Digital Art I		√	√	√	Full Year
731 - Advanced Digital Art II			√	√	Full Year
732 - Advanced Digital Art III				√	Full Year
728 - Film Making I		√	√	√	Full Year
734 - Film Making II			√	√	Full Year
735 - Film Making III				√	Full Year
148 & 775 - Broadcast Journalism			√	√	Full year
ADVANCED ART COURSES					
771 - Advanced Art Portfolio				√	Full Year
727 - AP Art History			√	√	Full Year

ART EDUCATION

707 STUDIO IN ART

Level 3 **one year** **1.0 credit** **Grades 9-12**

This course combines 0703 and 0705 into a full year program. This course is the prerequisite for all advanced study in art and must be taken by all art majors. Students will receive an introduction to two-dimensional art including drawing and painting, design and graphics, as well as, an introduction to three-dimensional art including the basics of ceramics and sculpture.

703 STUDIO IN ART 2D

Level 3 **one-half year** **.5 credit** **Grades 9-12**

This foundation course, though a required first step in the art sequences, is open to any student that has experienced some enjoyment and success in art. This course is geared to meet the needs of all students regardless of ability. Students will receive an introduction to two-dimensional art including drawing and painting, design and graphics. This course is not open to those who have completed a full year of Studio in Art.

705 STUDIO IN ART 3D

Level 3 **one-half year** **.5 credit** **Grades 9-12**

This is a foundation course open to any student that has experienced some enjoyment and success in art. This course is geared to meet the needs of all students regardless of ability. Students will receive an introduction to three-dimensional art including the basics of ceramics and sculpture. This course is not open to those who have completed a full year of Studio in Art.

708 INTRODUCTION TO DIGITAL ART

Level 3 **one year** **1.0 credit** **Grades 9-12**

This course is a prerequisite for all advanced computer graphics and filmmaking courses. It is designed to meet the needs of all students, regardless of ability. No prior computer knowledge is required. Students will learn the aesthetic, technical and creative implementation of art in media. Emphasis will be placed on the exploration of graphic design, filmmaking techniques and animation. Units of instruction will focus on developing working knowledge in the use of computers and software applications such as **Adobe Photoshop, Movie Maker, and Flash.** This course fulfills the graduation requirement of one (1) credit in art or music between grades 9-12.

713 DRAWING AND PAINTING

Level 3 **one year** **1.0 credit** **Grades 10-12**

Prerequisite: Studio in Art or Studio in Art 2D.

This class focuses on building a strong foundation in the drawing and painting process and technique. Various types of dry and wet media are used, including but not limited to: graphite, pen/ink, colored pencil, charcoal, watercolor and acrylic paint. Students are required to complete basic exercises to develop competence with the materials and then encouraged to work individually to develop their own artistic style and voice.

710 CERAMICS I

Level 3 **one year** **1.0 credit** **Grades 10-12**

Prerequisite: Studio in Art or Studio in Art 3D.

Designed for the student who is interested in working clay. Included are the use of the potter's wheel, the creation of ceramic sculpture and pottery, and the application of glazes and under glazes. The history of ceramics and its contemporary uses are explored.



711 CERAMICS II

Level 3 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Ceramics.

This course is open to 11th and 12th grade students. This course is designed to fully allow students to explore the concepts encompassed in the study of ceramics and to engage in activities with clay and related media on an advanced level. Topics include composition, glaze chemistry and kiln construction.

712 CERAMICS III

Level 2 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Ceramics 1 & 2.

Individual interests and concepts of ceramics, sculpture and three-dimensional forms will be explored. Students will work on designing clay and glazes for their individualized projects that will be exhibited in the district and/or local galleries.

716 PHOTOGRAPHY

Level 3 **one year** **1.0 credit** **Grades 10-12**

Prerequisite: Students must have the use of a digital camera for this course, which is designed to explore the photographic process as a method of creative visual communication.

Participants will gain an understanding that art principles and development of technical skills are necessary to communicate effectively in the medium. Students will develop techniques in studio lighting, printing, fashion photography, commercial photography, advertising, wedding photography, architecture and photojournalism. Students will become competent in the use of Photoshop.

717 ADVANCED PHOTOGRAPHY/PHOTO JOURNALISM

Level 3 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Photography.

Students must have the use of a digital SLR camera for this course which is designed for students who want to publish their photographs in local town and district publications. This course will cover camera handling, composition, lighting and shooting for the printed page and all facets of photo journalistic reporting, sports photography. Students will collaborate with the staff of our school publications. Students will also focus on building a photography portfolio for college. Students will continue to develop skills in Adobe Photoshop as well as other computer programs.

730 ADVANCED DIGITAL ART I

Level 3 **one year** **1.0 credit** **Grades 10-12**

Prerequisite: Introduction to Digital Art.

This course expands students' knowledge in the use of computer and software applications to create expressive original art. Emphasis will be placed on creative thinking and visual problem solving. This course will explore complex visual problems within the areas of photographic imaging, graphic design and web-page design. A continuous study of Adobe Photoshop, Adobe Illustration, Google Sketch-Up and Flash will be integrated. The introduction of new software will include Illustrator (vector illustration) and Dreamweaver (web-page development). Students will create various aspects of designs such as advertisements and design corporate identity, editorial design, book design, web-page design, package design, etc. In depth study of these processes aid in understanding how their integration leads to the production of industry standard products.

709 PEER MENTORING ART

Level 3 **one-half year** **0.5 credit** **Grades 10-12**

Prerequisite: Studio in Art.

This course is designed for both students in the Life Skills program and any student who is interested in learning many different aspects of art. Students will be able to work with different types of art mediums and tools including drawing, painting, printmaking, ceramics, and sculpture. Peer mentors should be prepared to work alongside students with disabilities to help develop social skills and interpersonal relationships while broadening their knowledge of art.

ART EDUCATION

731 ADVANCED DIGITAL ART II

Level 3 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Advanced Digital Art I and Introduction to Digital Art.

This course is for students seeking a higher level of independence, skill, and knowledge in the field of graphic design, animation, web-page design and silk-screening. The multimedia style curriculum enables students to develop into their areas of interest. Self-discipline and a willingness to seek new challenges are expected. Students will conference with the teacher to establish what projects will be completed. Students will integrate their advanced knowledge of software with creative thinking skills to produce finished designs and professional presentation methods, to achieve competitive college portfolio samples. This class is for the student who is considering some aspect of multimedia as a career.

732 ADVANCED DIGITAL ART III

Level 2 **one year** **1.0 credit** **Grade 12**

Prerequisite: Advanced Digital Art II, Advanced Digital Art I and Introduction to Digital Art.

The final class in succession to the previous three, this class is intended for students who are pursuing a career in the field of Graphic Design. Self-discipline and a willingness to seek new challenges are expected. Emphasis is placed on the independence of students and their work. Based on a variety of multi-medial curriculum students will develop, design, and execute a multi-media portfolio for college while adhering to the New York State Standards of the Visual Arts.

770 ART PORTFOLIO

Level 3 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Drawing and Painting. For serious art students.

This class serves as Advanced Drawing & Painting with the aim of creating a portfolio of a student's best work by the end of the year. Various types of dry and wet media are used, including but not limited to: graphite, pen/ink, colored pencil, charcoal, watercolor and acrylic paint. Students are given ample studio time to work independently and explore various media and subject matter.

771 ADVANCED ART PORTFOLIO

Level 1 **one year** **1.0 credit** **Grade 12**

Prerequisite: Art Portfolio.

This class is for the highly motivated art student. Students must have taken art portfolio previously. If Art Portfolio and AP Art Portfolio are to be taken concurrently, permission of the instructor must be obtained. With the input of the teacher, students are concentrating mainly on self-directed work with the goal of completing and refining a college-level portfolio.

727 AP ART HISTORY

Level 1 **one year** **1.0 credit** **Grades 11-12**

Students will learn the story of art untold in its full historical, social, religious, economic, and cultural context, and deepen their understanding of art, architecture, painting, and sculpture. Due to its comprehensive coverage, strong emphasis is placed on rich, accurate art reproduction through text, slides and visits to museums. These works will be studied within their appropriate historical context.

720 SCULPTURE

Level 3 **one year** **1.0 credit** **Grades 10-12**

This course provides a thorough exploration of three-dimensional forms: modeling, forming, casting, building, carving and construction. Students will use clay, along with other materials, when constructing and finalizing their art work.

724 ADVANCED SCULPTURE

Level 3 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Sculpture or Ceramics.

Students will explore different types of clay, from porcelain to stoneware and work from an anatomical human form to organic vessels up to 5' in height.



728 FILM MAKING I

Level 3 **one year** **1.0 credit** **Grades 10-12**

Prerequisite: Introduction to Digital Art.

This class will introduce you to the basics of film production, narrative style editing, performance and sound. It will also expose you to a variety of films produced in the United States. At the end of class each student will have written, produced and directed their own film.

734 FILM MAKING II

Level 3 **one year** **1.0 credit** **Grades 11-12**

Prerequisite: Filmmaking I.

Students will explore and expand upon the knowledge base created from Filmmaking I. Students will adventure into different programs such as Adobe SoundBooth, Adobe AfterEffects and green screen applications. At the end of this course the student should have a well-constructed film for either their portfolio and/or student film festivals.

735 FILM MAKING III

Level 2 **one year** **1.0 credit** **Grade 12**

Prerequisite: Filmmaking II.

This course is a portfolio development course. The student will have to define himself or herself as a filmmaker and prepare a show reel for prospective colleges and/or the professional world.

148 & 775 BROADCAST JOURNALISM

Level 3 **one year** **2.0 credits (1.0 ELA & 1.0 Art)** **Grades 10-12**

Prerequisite: Strongly encourage students to have an 80+ final course average in English 9 or English 10 and successful completion of Introduction to Digital Art.

In this full year, double-period course, students will study the principles of writing and producing news for daily announcements and other school-related activities. The basics of television news and broadcast style will be discussed and practiced. Students will develop informational, persuasive and narrative writing skills, expressive and interactive language skills, and digital editing expertise.

**This course is also offered as a one period course earning 1.0 Credit (0.5 ELA & 0.5 Art). Students interested in taking this as a 1 period course should use course numbers 149 & 776.*

772 COMIC BOOKS AND ILLUSTRATION I

Level 3 **one year** **1.0 credit** **Grades 9-12**

This class is an introduction to writing and drawing comics - however, it is not necessary to write and draw well to make a good or interesting comic. Comics are words and pictures. Students will learn the basics of telling stories with images and basic short story structure. They may choose to write and draw a comic book, comic strip or single-panel comic - webcomics are fine too. Students may work in any genre they choose: action, adventure, sci-fi, fantasy, drama, comedy, horror, western or non-fiction.

773 COMIC BOOKS AND ILLUSTRATION II

Level 3 **one year** **1.0 credit** **Grades 10-12**

Prerequisite: Comic Books and Illustration I.

Students will learn advanced sequential art and illustration techniques and be able to work more independently on their own projects. Throughout the course, students will be expected to create a submission portfolio and/or explore self-publishing in print and on the web.

BUSINESS EDUCATION

A large number of Connetquot students who pursue a two year/four year college degree will major in some aspect of business. This is not surprising when we consider that most of the jobs needed during the next decade will require a business background. The Business Department has courses and programs to meet a variety of student interests and needs. The Business Education courses are designed to achieve the following goals:

- College and Career Readiness
- Financial Literacy
- Computer skills necessary for success in the 21st century
- Preparation of students for today's competitive labor market
- Academic knowledge and essential skills for success in the workforce

Connetquot Business Academy

The Connetquot Business Academy will allow students to achieve a CTE designation on their diploma when they graduate from high school. For students to achieve the CTE certification, they are required to complete a series of courses and a nationally recognized final exam in Business.

College Credits for High School Business Courses

SUNY Farmingdale and LIU Post in partnership with the Connetquot High School Business Department offer students in grades 10 through 12 the opportunity to earn college credits through select Business Courses offered here at the high school at a reduced tuition rate payable by the student.

The following courses will be available for college credit:

- Entrepreneurship
- Microsoft Office
- College Accounting
- Business Law
- Sports Management
- Sports Marketing
- Digital Generation
- Personal Financial Literacy
- Wall Street
- Virtual Enterprise
- Intro to Marketing
- Fashion Marketing
- Entertainment Marketing



Please note that students can earn college credit in Sports Marketing and one other marketing course. They must be taken during separate semesters.

The credit bearing institution determines grade level eligibility for college credit.



Business Education courses are open to all students. Students may use 5-credits from any strand to replace the three-unit World Languages (LOTE) requirement for a Regents Diploma with Advanced Designation.

Business Education has something of value for every student. Those students interested in a particular area may follow a particular strand. Courses may be taken as an elective, for personal use, or enrichment. It is recommended that all students plan to include one or more Business Education courses in their high school program.

BUSINESS DEPARTMENT COURSE DESCRIPTION SUMMARY

COURSE	9	10	11	12	Full or Half Year
FINANCE SEQUENCE					
1331 - Personal Financial Literacy		√	√	√	Full Year
1307 - Accounting I	√	√	√	√	Full Year
1312 - College Accounting		√	√	√	Full Year
1334 - Wall Street	√	√	√	√	Half Year
MARKETING SEQUENCE					
1344 - Fashion Marketing	√	√	√	√	Half Year
1342 - Introduction to Marketing	√	√	√	√	Half Year
1324 - Sports Marketing	√	√	√	√	Half Year
1370 - Entertainment Marketing	√	√	√	√	Half Year
TECHNOLOGY					
1325 - Digital Generation		√	√	√	Half Year
1310 - Microsoft Office	√	√	√	√	Full Year
ESPT—Esports: Concepts & Media		√	√	√	Full Year
BUSINESS MANAGEMENT SEQUENCE					
1314 - Business Law I		√	√	√	Full Year
1304 - Entrepreneurship		√	√	√	Half Year
1337 - Virtual Enterprise				√	Full Year
1397 - School to Work Program			√	√	Full Year
1323 - Sports Management		√	√	√	Half Year

BUSINESS EDUCATION**FINANCE SEQUENCE****1331 PERSONAL FINANCIAL LITERACY**

Level 3 **one year** **1.0 credit** **Grades 10-12**

Students will develop the necessary skills in the areas of career planning, resume writing, job interviews, income and taxes, checking accounts, savings and investments, responsible credit card use, buying/renting a home, buying/leasing a car, homeowner's and car insurance, in order to be personally and financially successful throughout life. Students will prepare a personal budget as their final exam applying the money managing skills learned throughout the course. Students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

1307 ACCOUNTING I

Level 3 **one year** **1.0 credit** **Grades 9-12**

Accounting is the "language of business" and is a necessary course for all college business majors. Learn the basics of understanding business financials. This course stresses the principles and procedures needed to build a beginning foundation in accounting fundamentals. The course will assist students in becoming critical thinkers and problem solvers. This course is recommended as a prerequisite to College Accounting for those students who have no prior knowledge of accounting concepts. This course may be used as a prerequisite for Virtual Enterprise.

1312 COLLEGE ACCOUNTING

Level 2 **one year** **1.0 credit** **Grades 10-12**

Planning on majoring in accounting, management, marketing, finance or any other business area in college? Do you have an entrepreneurial spirit and want to own your own business? Then this class is for you. Build your foundation now with this college-level accounting course designed for the motivated student. The topics covered are those in a college introductory course. No previous accounting course is required. Students will learn to tackle the requirements of a college course. This course may be used as a prerequisite for Virtual Enterprise. Students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

1334 WALL STREET

Level 3 **one-half year** **.5 credit** **Grades 9-12**

This introductory course presents an overview of the financial markets. Students will explore how the markets work and how they can be used to their financial advantage. Students will participate in an investment simulation where they will create and manage "stock portfolios". This course is highly recommended for those studying business or anyone with an interest in investing or money management. Students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

MARKETING SEQUENCE**1344 FASHION MARKETING**

Level 3 **one-half year** **.5 credit** **Grades 9-12**

If you're interested in clothes and current fashion trends, then this is the course for you! Students will learn the principles of marketing and apply them to the fashion/apparel and accessories industry by creating and designing their own retail stores, window displays and so much more. Explore the psychology of promoting and selling in the fashion industry. Learn how major organizations develop marketing strategies. Students will analyze the strategies of some of the top designers, and become well-versed in designer accessory terminology and explore the various styles of retail displays. *Students will have the opportunity to visit the museum at F.I.T.* Students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.



***COLLEGE CREDIT CAN BE EARNED FOR SPORTS MARKETING AND ONE OTHER MARKETING COURSE. THEY MUST BE TAKEN DURING SEPARATE SEMESTERS.**

1342 INTRODUCTION TO MARKETING

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Marketing is the most dynamic area of the world of business and a popular college business major! Explore the psychology of creating, promoting and selling goods and services. Learn the art of promotion by engaging in marketing research and identification, product design, store display and advertising. Learn how major stores such as Abercrombie & Fitch target customers and develop marketing strategies for those customers. Current events, trends and case studies will be integrated and evaluated throughout classroom discussions. Students will also use the computer simulation "Roller Coaster Tycoon" to develop and market their own theme park. This course may be used as a prerequisite for Virtual Enterprise. Qualified students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

1324 SPORTS MARKETING

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Want to create your own sports team and compete against other teams in an on-line fantasy sports league? Students will learn the principles of marketing and apply them to sports projects. See how sports teams get your attention and how they target customers and develop marketing strategies. Students will create and market their own sports-related products. Students will have the opportunity to create their own franchise—from designing the team's uniform to building a stadium. Qualified students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

1370 ENTERTAINMENT MARKETING

Level 3 **one-half year** **.5 credit** **Grades 9-12**

This course is specialized for students with a career interest in the fields of entertainment. In addition to a marketing overview, the course is designed to provide students with learning applications in the areas of sponsorship, promotion, advertising, sales, event marketing and communications. Students will also obtain an understanding of the career options available to them, and will have the opportunity to explore current events in the entertainment field. Qualified students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

1323 SPORTS MANAGEMENT

Level 3 **one-half year** **.5 credit** **Grades 10-12**

Prerequisite: Sports Marketing.

Have you ever dreamed of managing the New York Yankees or another professional sports franchise? What about running the "World's Most Famous Arena", Madison Square Garden? Today the sports industry totals more than \$150 billion in sales annually in North America alone, and more and more colleges are offering it as a major. This course will introduce you to this exciting and growing career field and help you plan a path that will lead to a successful career in the sports industry. Topics addressed include collective bargaining/contracts, sports law/agency, salary caps, information technology/media and human relations, college and participant athletics, facilities management and various other management philosophies and principles. Interactive team projects and field trips will enhance the classroom learning. Students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

BUSINESS EDUCATION

***COLLEGE CREDIT CAN BE EARNED FOR SPORTS MARKETING AND ONE OTHER MARKETING COURSE. THEY MUST BE TAKEN DURING SEPARATE SEMESTERS.**

BUSINESS TECHNOLOGY

1310 MICROSOFT OFFICE

Level 3

one year

1.0 credit

Grades 10-12

This class is the KEY for success in your future! You will gain the edge on today's computer world with the valuable skill of touch typing. Microsoft Word will be introduced and used to format letters, memorandums, reports, mail merges and tables. In addition, Microsoft PowerPoint will be used to create presentations and newsletters. Microsoft EXCEL will also be introduced and used to prepare spreadsheets, charts and graphs. Students will be utilizing the fundamental techniques of Microsoft Word, Excel, Internet, and PowerPoint. Students in 10th, 11th and 12th grade can earn 3 college credits from Farmingdale State College.

ESPT ESPORTS: GAMING CONCEPTS & INTERACTIVE MEDIA

Level: 3

one year

1.0 credit (0.5 Business/0.5 Computer Science)*

Grades: 10-12

Students will explore esports history, game genres, technology, hands-on troubleshooting, and college and career readiness. The course allows students to practice good gamer health and engage in digital citizenship, teamwork, and reflection. Students will focus on digital graphics, print media, computer animation, audio production, video production, web design, and other newly-emerging forms of digital media.

***Students must complete both courses in order to earn any course credit.**

1325 DIGITAL GENERATION

Level 3

one-half year

.5 credit

Grades 10-12

Creating a positive digital profile can be a challenging task for the 21st century student. In this course, you will learn how to utilize the power of the internet & social media to enhance your web presence & digital profile. This course uses a blended learning model, with a mix of technology and face-to-face instruction, where students can, to some extent, control the time and pacing of learning. This course also connects several school districts in Suffolk County, who will be working on collaborative projects using Google Drive. Together, you will discover how technology and social media impact society now and in the future. This course is available for 3 college credits through Stony Brook University.



BUSINESS MANAGEMENT SEQUENCE

1314 BUSINESS LAW I

Level 3 **one year** **1.0 credit** **Grades 10-12**

This course provides an overview of an individual's rights and responsibilities as a citizen and consumer. Students will first study criminal law, learning of several types of crimes, the criminal procedures within the court system, and the consequences that result from criminal acts. Emphasis is then placed on civil law including marriage (family law), employment law, real estate (property law), corporate law and contract law, with the use of the internet, presentations from guest speakers, courtroom field trips and observations. Students in 10th, 11th and 12th grade can earn 3 college credits from LIU Post.

1304 ENTREPRENEURSHIP

Level 3 **one-half year** **.5 credit** **Grades 10-12**

An Entrepreneur is a person who is creative, self-motivated, energetic, and has a passion to be in business for him/herself. The majority of new jobs created each year are a direct result of entrepreneurship and the creation of small businesses. This course teaches the concept of entrepreneurship, and teaches students the steps of starting a business. Students will learn the key characteristics of entrepreneurs and how they have greatly impacted our society. The curriculum is aimed at 10th, 11th, and 12th grade students. Lessons will be delivered through lecture, video, projects, and guest speakers from local businesses. Students will create an extensive business plan for a business of his/her choice. This course may be used as a pre-requisite for Virtual Enterprise. Students in 10th, 11th and 12th grade can earn 3 college credits from LIU Post.

1337 VIRTUAL ENTERPRISE

Level 3 **one year** **2.0 credits** **Grade 12**

Prerequisite: Students will need a Business teacher recommendation to enter the course, as well as the successful completion of two courses (not including School to Work).

Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. Students will determine the nature of their business, its products and/or services and engage in the daily operation of the business under the guidance of a teacher and actual business partners. Students will participate in the Business Plan Competition and a Trade Show. This course meets two (2) periods every day.

Students in 12th grade can earn 6 college credits from Farmingdale State College. All students are encouraged to take the NOCTI Virtual Enterprise Exam to complete the Business Academy requirements and receive the Career and Technical Education Endorsement.

1397 SCHOOL TO WORK PROGRAM

Level 3 **one year** **.5 - 2.0 credit** **Grades 11-12**

Students will have the opportunity to earn credit for working part-time! Whether you need help securing a job or already have one, our Work Experience Coordinator will help you become workforce ready and continue to reinforce employability skills by connecting classroom learning to successful workplace skills.

Students must be co-enrolled in a business course and will meet with the Work Experience Coordinator during an informal classroom setting for mentoring. Participation in this program allows for job shadow/ internship opportunities as well. Students will earn between one-half (.5) and 2.0 credits depending on the number of hours that they work.

BUSINESS EDUCATION

SCHOOL TO CAREER OPPORTUNITIES

WORK BASED LEARNING: An important aspect of all students' educational experience and an integral part of the school-to-career transition—We offer 3 programs that provide an experiential learning environment designed to assist students in understanding the connection among school, work, and post-secondary education.

1. Job Shadow Program

The Connetquot Central School District provides a unique opportunity for students who are interested in a specific career area to obtain an on-site career exploration experience. This program allows the student to observe the daily tasks/work with a mentor and gain insight into the profession. These opportunities will enable students to make informed career and postsecondary decisions for their future. These opportunities are available to students in grades 9-12.

2. Internship Program

An internship placement is an agreement between Connetquot Central School District and a business which is designed to provide practical, unpaid, hands-on experience for high school students in a particular field of study. Students engage in productive work in order to gain experience, and an individualized student training plan is developed by the Work Experience Coordinator, employer and student intern. These opportunities are available to students in grades 9-12.

Guidelines for Eligibility for both Job Shadow Program and Internship Program

1. Students must be in good academic standing, attending school regularly and have no discipline record to be considered for the job shadowing or internship programs.
2. All students must be interviewed by the Work Experience Coordinator, Mrs. Michelle Rapone before they are accepted into the program.
3. Students may participate in more than one career exploration program based on availability.
4. All students are required to complete applicable paperwork prior to the start of the job shadow/internship experience.
5. Placement is dependent upon the Work Experience Coordinator's recommendation, a completed application and availability in participating businesses.
6. Students must provide their own transportation.

3. School to Work Program

This is a collaborative school and business partnership designed to provide a paid work experience that enables students of various academic abilities to learn about the world of work and explore career opportunities, develop broad-based transferable skills to be applied in school and the workplace, and earn up to two units of elective credit towards graduation. Students 16 and older are eligible to enroll.

For more information, please go to our new School to Career website at:

⇒ <https://sites.google.com/ccsqli.org/work-based-learning/home>



CONNETQUOT HIGH SCHOOL BUSINESS ACADEMY

To apply for the Connetquot Business Academy, interested students must complete an application, which they can get from Mr. Cassagne in Room 230.

To graduate from the Connetquot Business Academy, students must

- Earn a minimum of 4.5 total business credits, including required courses
- Complete work-based learning requirements
- Pass the required CTE exam during spring of their senior year, while taking Virtual Enterprise

Course	High School Credits
Personal Financial Literacy	1
Microsoft Office	1
Virtual Enterprise	2
A minimum of 54 hours of work-based learning. <ul style="list-style-type: none"> • Can be achieved through the School to Work Program (0.5-2 credits) OR • Students and their advisor can track their hours, which include job shadowing, community service, volunteering, service learning, and on-site projects (0 credits) 	0-2
Elective Pathway Courses (see below)	0.5+

Elective Pathways:

Students must complete at least 0.5 credits.

Technology	Finance	Management	Marketing
Microsoft Office (1)	Accounting (1)	Business Law I (1)	Intro to Marketing (.5)
Digital Generation (.5)	College Accounting (1)	Entrepreneurship (.5)	Entertainment Marketing (.5)
	Wall Street (.5)	Sports Management (.5)	Fashion Marketing (.5)
			Sports Marketing (.5)

Students in 10th, 11th and 12th grade can earn college credit from Farmingdale State College. Students can only receive college credit for one (1) marketing class.

***COLLEGE CREDIT CAN BE EARNED FOR SPORTS MARKETING AND ONLY ONE OTHER MARKETING COURSE, BUT ONLY IF THEY ARE TAKEN DURING SEPARATE SEMESTERS.**

ENGLISH AS A NEW LANGUAGE (ENL)

English as a New Language (formerly known as English as a Second Language—ESL) is a state and federally mandated program which seeks to provide intensive English language development to non-English speaking students using ENL methodologies and techniques. The students in this program are held to the same high standards as their English speaking counterparts.

Newly registered students whose Home Language Questionnaire (HLQ) indicates that a language other than English is spoken at home, must be tested using the NYSITELL (NY State Identification test for English Language Learners) for identification and initial placement. After initial placement, ENL students will be tested for English language development using the NYSESLAT (NY State English as a Second Language Achievement Test) at the end of each year, until they reach the Commanding/Proficient level.

The proficiency levels are listed below, along with **required** ENL courses for a student:

- **Entering (Beginner):** 2 periods of ENL and 1 integrated co-taught English class
- **Emerging (Low Intermediate):** 2 periods ENL and 1 period of an integrated co-taught English class
- **Transitioning (High Intermediate):** 1 period of an integrated co-taught English or content area class
- **Expanding (Advanced):** 1 period of an integrated co-taught English or content area class
- **Commanding (Proficient):** Students are enrolled in mainstream classes and are entitled to ENL testing accommodations for NYS exams, for two consecutive years after exiting the program.

CONTENT AREA COURSES

Listed below are mainstream content area courses that are taught or co-taught by a certified content area and/or ENL teacher. Teachers work cooperatively to meet all students' needs, incorporating ENL methodologies that foster academic growth and English language proficiency in the content area. Course placement is determined by a student's proficiency level in English (NYSITELL or NYSESLAT score), prior preparation or coursework in the US or country of origin, and NEL teacher/counselor recommendation. In the Regents level courses, students will take the NYS Regents exam in June.

102 ENGLISH 9R
107 ENGLISH 10R
119 ENGLISH 12R
207 GLOBAL HISTORY AND GEOGRAPHY 10 REGENTS
412 LIVING ENVIRONMENT REGENTS
359 INTERMEDIATE ALGEBRA I
361 ALGEBRA I w/LAB

111 ENL ENGLISH 11 REGENTS

NCAA approved course

Level 3

one year

1.0 credit

This course is specifically designed for current and former ELLs who are preparing for the NYS Regents exam in English Language Arts (Common Core) in June. The ENL/ELA certified teacher will concentrate on analysis of fiction and nonfiction, critical thinking, and composition for a variety of purposes. Grammar, usage, vocabulary, reading comprehension, listening skills, and research skills are components of the curriculum.



ENL COURSES

151 ENL ENTERING-EMERGING

Level 3 one year 1.0 credit

Prerequisite: Entering or Emerging level on NYSITELL or NYSESLAT, or ENL teacher recommendation

Students develop basic skills in English vocabulary, constructing sentences, understanding spoken and written English, and speaking English. This class focuses on the four modalities of language: listening, speaking, reading, and writing in English. Differentiation of instruction is provided as students progress to a higher level of skill during a given year of instruction.

155 ENL TRANSITIONING

Level 3 one year 1.0 credit

Prerequisite: Transitioning level on NYSITELL or NYSESLAT exam, or ENL teacher recommendation

Students build on basic English skills by increasing vocabulary complexity and practicing and expanding grammar. This course aims to include advancing student knowledge of English and applying it to their communicative and academic skills.

156 ENL/ELA SUPPORT CENTER

Level 3 one year 1.0 credit

Prerequisite: ENL teacher recommendation

Students receive content area English language support, including specific writing and reading skills development for success in content area classes and on the NYS English Language Arts Regents exam.

164 ENL GLOBAL STUDIES 10 SUPPORT CENTER

Level 3 one year (alternate days) 0.5 credit

Prerequisite: ENL teacher recommendation

Students receive content area support, including specific writing and reading skills development for success in their Global History and Geography 10 course and on the NYS Global History and Geography Regents exam.

171 ENL US HISTORY SUPPORT CENTER

Level 3 one year (alternate days) 0.5 credit

Prerequisite: ENL teacher recommendation

Students receive content area support, including specific writing and reading skills development for success in their US History course and on NYS US History Regents exam.



ENGLISH DEPARTMENT FLOW CHART: PROJECTED COURSE OF STUDY

Level	9th grade	10th grade	11th grade	12th grade
HONORS	English 9H	English 10H AP Seminar	English 11H AP English 11	English 12H AP English 12
REGENTS	English 9R	English 10R	English 11R	English 12R
LAB	English 9 Lab	English 10 Lab	English 11 Lab	English 12 Lab* *Failed Regents Exam as a Junior
G	English 9G	English 10G	English 11G	English 12G

English Electives for Grades 9-12

COURSE	9	10	11	12	Full or Half Year
143 – Children’s Literature	*	*	*	*	Half Year
144 – Sports in Film	*	*	*	*	Half Year
128 – Creative Writing	*	*	*	*	Half Year
122 – Public Speaking	*	*	*	*	Half Year
130 – Drama and Acting Workshop I	*	*	*	*	Half Year
132 – Drama and Acting Workshop II		*	*	*	Full Year
138 – Sports Journalism	*	*	*	*	Half Year
174 – SAT Prep ELA		*	*	*	Half Year
139 – Suspense and Supernatural	*	*	*	*	Half Year
145 – Movies, Movies, Movies	*	*	*	*	Half Year
140—Mythology	*	*	*	*	Half Year
116 - AP Seminar for Elective Credit			*	*	Full Year
148 & 775 - Broadcast Journalism			*	*	Full Year
146 — The Holocaust		*	*	*	Half Year



102 ENGLISH 9 REGENTS

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: Final average of 70% or above in English 8.

This course is the required 9th grade English course for students. In addition to close reading of fiction and nonfiction, the course encompasses instruction in writing and composition skills, grammar, vocabulary, listening, note taking, and research skills. Students will take the Regents Exam in English Language Arts in June of 11th grade.

101 ENGLISH 9 HONORS

NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: Final average of 88% or above in English 8 Honors or 92% or above in English 8; ELA score of a high 3 or 4; teacher recommendation.

This is a rigorous 9th grade English course designed for the intrinsically motivated, academically oriented honor student who demonstrates above-average achievement and strength in literacy skills. Students will take the Regents Exam in English Language Arts in June of 11th grade.

196 ENGLISH 9G

NCAA approved course

Level 3 one year 1.0 credit

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course is the required 9th grade English course for students. In addition to close reading of fiction and nonfiction, the course encompasses instruction in writing and composition skills, grammar, vocabulary, listening, note taking, and research skills. Students will take the Regents Exam in English Language Arts in June of 11th grade.

102L ENGLISH 9 LAB

Level 3 one year (alternate days) .5 credit

This course fulfills a state mandate for Academic Intervention Services, and provides students who are at risk of failing the Regents Exam the academic support they require. Classes are deliberately kept small so that specific skills in need of remedial attention can be identified, targeted, and improved. Entrance criteria for the class includes a score of 2 or below on the New York State Grade 8 Exam in Language Arts, an 8th grade class average of 74 or below, and/or teacher recommendation.

107 ENGLISH 10 REGENTS

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: A final passing average in English 9.

This course is the required 10th grade English class and continues the study of literary analysis of both fiction and non-fiction begun in English 9. Students will continue to develop their skills in planning, developing, and writing in various genres. In conjunction with writing, students are instructed in vocabulary, grammar and usage, and research skills. Students will take the Regents Exam in English Language Arts in June of 11th grade.

106 ENGLISH 10 HONORS

NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: A final average of 88% or above in English 9 Honors or 92% or above in English 9 Regents; teacher recommendation.

This is a rigorous 10th grade English course designed for the intrinsically motivated, academically oriented honor student who demonstrates above-average achievement and strength in literacy skills. Students will take Regents exam in English Language Arts in June of 11th grade.

ENGLISH EDUCATION**108 ADVANCED PLACEMENT SEMINAR****NCAA approved course****Level 1** **one year** **1.0 credit**

Prerequisite: Prior enrollment in English 9 Honors and Global 9 Honors or Pre-AP World History 9; a final average of 85 or better in those courses; teacher recommendation.

Students enrolled in AP Seminar are expected to complete a required Summer Assignment. The primary goals of the AP Seminar course are to help students understand how to study an issue from multiple perspectives, evaluate source information, and then develop and communicate effectively a logical, evidence-based point of view. Students will practice and apply these skills through the exploration of the complex topics and by examining a variety of and often divergent or competing perspectives. Students will take the Regents Exam in English Language Arts in June of 11th grade.

197 ENGLISH 10G**NCAA approved course****Level 3** **one year** **1.0 credit**

Prerequisite: A final passing average in English 9G.

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course is the required 10th grade English class and continues the study of literary analysis of both fiction and non-fiction begun in English 9. Students will continue to develop their skills in planning, developing, and writing in various genres. Instruction in vocabulary, grammar and usage, and research skills is covered in conjunction with writing. Students will take the Regents Exam in English Language Arts in June of 11th grade.

107L ENGLISH 10 LAB**Level 3** **one year (alternate days)** **.5 credit**

Prerequisite: Entrance criteria for the class includes a score of 2 or below on the New York State Grade 8 Exam in Language Arts, a 9th grade class average of 74 or below, teacher recommendation, and/or failure to meet the exit criteria in a 9th grade lab.

This course fulfills a state mandate for Academic Intervention Services, and provides students who are at risk of failing the Regents Exam the academic support they require. Classes are deliberately kept small so that specific skills in need of remedial attention can be identified, targeted, and improved.

111 ENGLISH 11 REGENTS**NCAA approved course****Level 3** **one year** **1.0 credit**

Prerequisite: A final passing average in English 10.

Students will concentrate on analysis of fiction and nonfiction, critical thinking, and composition for a variety of purposes. Grammar, usage, vocabulary, reading comprehension, listening skills, and research skills are components of the curriculum. This course prepares students for the New York State Regents Exam in English Language Arts in June.

110 ENGLISH 11 HONORS**NCAA approved course****Level 2** **one year** **1.0 credit**

Prerequisite: A final average of 88% or above in English 10 Honors or 92% or above in English 10 Regents; teacher recommendation.

This course, like English 10 Honors, is for the intrinsically motivated, academically oriented student who demonstrates above-average achievement and strength in literacy skills. Students in this course will take the New York State Regents Exam in English Language Arts in June.



172 ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION **NCAA approved course** **Level 1** **one year** **1.0 credit** **Grade 11**

Prerequisite: A final average of 88% or above in your last Honors English course, teacher recommendation, or a 92% or above in your last Regents English course; 92% or above on the English Regents Examination.

Students enrolled in this course are expected to complete a required Summer Assignment. This course is designed for the highly motivated, academically oriented honor student who has demonstrated excellence in all previous course work. AP English Language and Composition is a rigorous course that engages students in becoming both skilled readers of prose written in a variety of periods, disciplines, and contexts, and skilled writers who compose for a variety of purposes. The overall objective is to teach students to read sources carefully, synthesize information from these writings into their own compositions, and cite sources correctly. Students who complete the course and receive an appropriate grade on the Advanced Placement Examination given in May of their junior year may receive college credit. Students are encouraged to take the AP Exam in May. Students will take the New York State Regents Exam in English Language Arts in June.

198 ENGLISH 11G **NCAA approved course**

Level 3 **one year** **1.0 credit**

Prerequisite: A final passing average in English 10G.

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). Students will concentrate on analysis of fiction and nonfiction, critical thinking, and composition for a variety of purposes. Grammar, usage, vocabulary, reading comprehension, listening skills, and research skills are components of the curriculum. This course prepares students for the New York State Regents Exam in English Language Arts in June.

111L ENGLISH 11 LAB

Level 3 **one year (alternate days)** **.5 credit**

Prerequisite: Entrance criteria for the class includes a score of 2 or below on the New York State Grade 8 Exam in Language Arts, a 10th grade class average of 74 or below, teacher recommendation, and/or failure to meet the exit criteria in a 10th grade lab.

This course fulfills a state mandate for Academic Intervention Services, and provides students who are at risk of failing the Regents Exam the academic support they require. Classes are deliberately kept small so that specific skills in need of remedial attention can be identified, targeted, and improved.

119 ENGLISH 12 REGENTS **NCAA approved course**

Level 3 **one year** **1.0 credit**

This course fulfills the grade 12 English requirement and will provide students with a strong foundation in analysis of both fiction and nonfiction, persuasion and argument in writing, and research skills. Students will read and write in response to a broad range of literature, including representative short stories, poems and a variety of other genres. Students will amass a portfolio of writing assignments and develop a documented research paper which is a requirement for graduation.

115 ENGLISH 12 HONORS **NCAA approved course**

Level 2 **one year** **1.0 credit**

Prerequisite: A final average of 88% or above in English 11 Honors or 92% or above in English 11 Regents; 88% or better on the English Regents Exam; teacher recommendation.

This course will challenge students who are looking for college level discussions, analysis and interpretation of fiction and non-fiction that goes beyond the English 12 Regents curriculum. Students will complete college level writing in the form of critical and interpretive essays in response to research and studied texts.

ENGLISH EDUCATION

114 ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION **NCAA approved course** **Level 1** **one year** **1.0 credit** **Grade 12**

Prerequisite: A final average of 88% or above in your last Honors English course or a 92% or above in your last Regents' English course; 92% or above on the English Regents Examination; teacher recommendation.

Students enrolled in this course are expected to complete a required Summer Assignment. This course is designed for the highly motivated, academically oriented honor student who has demonstrated excellence in all previous course work. Students who complete the course and receive an appropriate grade on the Advanced Placement Examination given in May of their senior year may receive college credit. Students are encouraged to take the AP Exam in May.

199 ENGLISH 12G **NCAA approved course** **Level 3** **one year** **1.0 credit**

Prerequisite: A final passing average in English 11G.

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course is part of the grade 12 English requirement and will provide students with a strong foundation in analysis of both fiction and nonfiction, persuasion and argument in writing, and research skills. Students will read and write in response to a broad range of literature, including representative short stories, poems and a variety of other genres. Students will amass a portfolio of writing assignments and develop a documented research paper which is a requirement for graduation.

143 CHILDREN'S LITERATURE: THE ART AND PSYCHOLOGY OF PICTURE BOOKS **Level 3** **one-half year** **.5 credit** **Grades 9-12**

This course is designed for future educators, social workers and psychologists. It surveys a variety of children's literature books from several different genres. Emphasis will be on studying themes that include: Picture Books that teach, Children and War, Loss and Remembrance and Non-Traditional Families. In-depth author studies will focus on writers such as Eric Carle, Laura Numeroff, Jan Brett, Maurice Sendak, Dr. Seuss and others. Two field trips to an elementary school will be required. As a culminating activity, students will illustrate and write their own children's books.

144 SPORTS IN FILM **Level 3** **one-half year** **.5 credit** **Grades 9-12**

Want to hang out with Smalls, Benny and Squints in *The Sandlot*? Wonder what it's like to play under the *Friday Night Lights*? Or maybe you want to run the steps like *Rocky*. This half year elective will focus on the love the film industry has for sports. Students will examine movies like: *Remember the Titans*, *Here Comes the Boom*, *Cinderella Man* and *A League of Their Own*, just to name a few. If you like sports, this class is for you.

128 CREATIVE WRITING **NCAA approved course** **Level 3** **one-half year** **.5 credit** **Grades 9-12**

Is there a writer in you? Do you love to write poetry? Do you have a great idea for a television script? Does every incident suggest a short story? This course will give students the opportunity to examine professional examples of creative writing and teach them how to express ideas through the use of effective style and content. An integral part of this course will be the sharing and discussion of work.



122 PUBLIC SPEAKING

Level 3

one-half year

.5 credit

NCAA approved course
Grades 9-12

Does the thought of getting up in front of a group give you sweaty palms and a sinking stomach? It's a safe bet that some day you'll be called on to say a few words. You might run for office! You might have a job that requires presentations. Give yourself an advantage; learn how to handle yourself in front of a group. Learn the fine art of conversation: how to lead a discussion, conduct an interview, make an informative or persuasive speech. If you like to argue, learn the techniques of debate! You'll also learn the psychology and influence of audience reaction.

130 DRAMA AND ACTING WORKSHOP I

Level 3

one-half year

.5 credit

Grades 9-12

This class is designed for the beginning performer and will concentrate on the basics of improvisation, monologues and scene performance. Students will learn to be more comfortable with themselves and in front of others when performing on stage.

132 DRAMA AND ACTING WORKSHOP II

Level 3

one year

1.0 credit

Grades 10-12

Prerequisite: Drama and Acting Workshop I

This class is designed for the more experienced performer. Since drama reaches its full potential in performance, the applications of theories of acting and design will be incorporated through the presentation of monologues, scenes and projects. Different acting techniques, such as Meisner and Method, will be studied along with taking a deeper look at Stanislavsky and Adler. It is expected that students will participate in one of the productions scheduled during the year. This course may be repeated for a second full year.

138 SPORTS JOURNALISM

Level 3

one-half year

.5 credit

Grades 9-12

This half-year elective will teach students how to analyze sporting events and write accurately detailed articles about each game. Students will learn the history of sports broadcasting and its rise in America. Students will investigate how the Internet, sports talk radio and 24 hour sports television channels have influenced sports journalism. Students will understand how major sporting events like the Super Bowl, the World Series, the World Cup, and the NCAA Basketball Tournament are covered by a variety of news sources. Finally, students will see how some of the greatest sporting events of the past were reported by the pioneers of radio, television and newspaper reporting.

174 SAT PREP ELA

Level 3

one-half year

.5 credit

Grades 10-12

Students will learn techniques and material to help them master the SAT. The class will cover: test-taking strategies, the test taker's mentality, how the SAT is scored, vocabulary in context, and how to write the SAT rhetorical analysis essay. Students will be encouraged to continue to hone their skills with weekly practice that they can continue even after completing the course.

139 SUSPENSE AND THE SUPERNATURAL

Level 3

one-half year

.5 credit

NCAA approved course
Grades 9-12

Do you look for clues around every corner and long to discover the truth? Do you wonder if we are alone in this world and what is waiting for us in the future? Do you get scared by things that go bump in the night? If you answered yes to any or all of these questions, then this course is for you! This half-year course will explore the origins and meanings behind mystery, science fiction, and horror literature. Students will explore how these genres fit into everyday life. Students will read and view works of these genres and create their own gothic, science fiction and detective stories. We will look at works from classic authors such as Poe, Bradbury and Asimov, as well as works by modern storytellers like Stephen King and Clive Barker.

ENGLISH EDUCATION

140 MYTHOLOGY

Level 3

one-half year

.5 credit

NCAA approved course

Grades 9-12

Mythology is the study of myths, legends and folklore. This class will consider the importance of these tales as a means to understand the people who wrote them, the societies that believed them and the lessons that the modern world can learn from them. Dominant among these tales is the story of the hero; hero stories are the ones worth reading. They were a vehicle to teach countless generations the rules of citizenship in ancient societies. Even after thousands of years of human existence, the hero has remained the same. Whether it's Gilgamesh or Luke Skywalker, the archetypes and obstacles of the hero's journey remain constant. The hero exists for people to emulate his standards of service and sacrifice. Mythology connects us all to what it means to be human and reminds us that we share a biological and psychological unity. This class will begin your journey into the realm of the fantastic where gods, monsters, and faraway lands will set you on path of enlightenment about the beliefs and dreams that have propelled mankind for centuries.

145 MOVIES, MOVIES, MOVIES

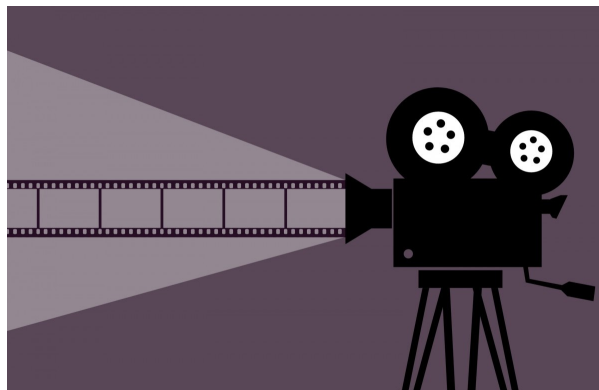
Level 3

one-half year

.5 credit

Grades 9-12

Film is a living entity. It breathes and grows and reflects the life around it. It can be read, just as a book, finding the symbols and imagery hidden within. Each generation creates films that show the predominant thoughts and opinions of the time in which it is made. From *To Kill A Mockingbird* and *Of Mice and Men* to *The Hunger Games* and *Harry Potter*, books have always been a motivation for film makers and inspired viewers to look back at the original source material. This class will look at films and break them down in search of deeper meanings. Movies from the silent age up until today's blockbusters will be viewed and discussed along with the significance of their existence. From Charlie Chaplin's iconic images to superheroes as the new gods, take a journey through movie history and discover new ways to read a film.





116 AP SEMINAR FOR ELECTIVE CREDIT

Level 1 one year 1.0 credit Grades 11-12

Prerequisites: Minimum final course average of 85 in English 10 or English 11

Are you ready to take control of your education and start looking at topics that interest you? Students enrolled in AP Seminar have the unique ability to explore and research ideas that they are interested in. With your teacher as your guide, you will have the opportunity to explore topics and perspectives such as, but not limited to, technological advancements, civil rights/social issues, environmental concerns, current events, crime and law, education, media/communication, and so much more. In AP Seminar, YOU become the teacher.

148 & 775 BROADCAST JOURNALISM

Level 3 one year 2.0 credits (1.0 ELA & 1.0 Art) Grades 10-12

Prerequisite: Strongly encourage students to have an 80+ final course average in English 9 or English 10 and successful completion of Introduction to Digital Art.

In this full year, double-period course, students will study the principles of writing and producing news for daily announcements and other school-related activities. The basics of television news and broadcast style will be discussed and practiced. Students will develop informational, persuasive and narrative writing skills, expressive and interactive language skills, and digital editing expertise.

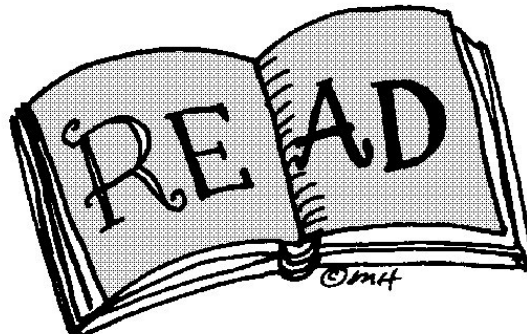
**This course is also offered as a one period course earning 1.0 Credit (0.5 ELA & 0.5 Art). Students interested in taking this as a 1 period course should use course numbers 149 & 776.*

146 THE HOLOCAUST: THE HISTORY, LITERATURE, SURVIVORS, AND FUTURE OF ANTI-SEMITISM AND HATE

Level 3 one-half year .5 credit Grades 10-12

Prerequisite: 9th Grade Global Studies

This course will focus on the literature and history of the Holocaust and the events leading up to it and following the end of World War II. The course will use historical texts, first person accounts, works of Historical Fiction, Biographies, Films, Documentaries, Propaganda, etc. to show the students how events led up to the Holocaust and how the continues to impact us today. The students will read, research, and present in class what they have learned and ask questions of each other and of the teacher in order to gain a better understanding of the topic. They will brainstorm ways in which they can work to create a better, more inclusive world.



FAMILY AND CONSUMER SCIENCES EDUCATION

The comprehensive Family and Consumer Sciences program is designed to meet both the personal and career needs of Connetquot High School students. Each of these elective courses provides students with the knowledge and/or skills needed for everyday living. Some culminating course work is offered for college credit.

Each of these courses can be taken individually as an elective, or students can take them as part of a three unit strand, either Culinary or Child Development. These both offer concentrated experiences in those areas of interest.

Culinary	<ul style="list-style-type: none">• Culinary Arts• Italian Pasta and Cuisine• Baking• International Foods
Child Development	<ul style="list-style-type: none">• Child Development and Adolescent Psychology• Child Development and Adolescent Psychology II• Nurturing Young Children's Development

810 CULINARY ARTS

Level 3

one-half year

.5 credit

Grades 9-12

Culinary Arts will serve as an introduction and overview of basic cooking, food preparation and service techniques, and the many varied career opportunities available in this field. Students will be introduced to all aspects of food preparation and the proper use of equipment and appliances. Students will have hands-on kitchen laboratory experiences in the areas of microwave cookery, meat, poultry, fruit, and vegetable preparation.

812 ITALIAN PASTA AND CUISINE

Level 3

one-half year

.5 credit

Grades 9-12

Italian specialties will be the focus of this course. Skills will be developed in the preparation of various dishes including pastas, sauces, vegetables, and some desserts.

801 BAKING

Level 3

one-half year

.5 credit

Grades 9-12

Emphasis is on the fundamentals of baking, terminology, and equipment. Students will learn the uses of basic baking ingredients, the importance of weights and measures, types of flour, cake mixing, decorating, icing, puddings, cake finishing, and yeast products.



811 INTERNATIONAL FOODS

Level 3

one-half year

.5 credit

Grades 9-12

In this course, students will explore a variety of cultural foods and preparation techniques. Students will get a taste of cultural differences and an appreciation of the foods from countries around the world. Careers within the culinary arts will be explored.

813 NURTURING YOUNG CHILDREN'S DEVELOPMENT

Level 2

one year

1.0 credit

Grades 11-12

Prerequisite: Child Development and Adolescent Psychology, an average of 85% with the ability to read on grade level.

This is a college level course for students in grades 11 and 12 considering careers in education, psychology, medicine and other related fields. This course integrates the use of observation, documentation and assessment to help understand young children's development from birth to second grade. Scientific findings on the physical and cognitive development of children in prenatal, infancy, preschool, and middle childhood are examined and their significance for teaching and guidance processes is emphasized. Ten hours of fieldwork are required. Students have the option to receive three college credits through the LIU High School Scholars Program.

818 CHILD DEVELOPMENT AND ADOLESCENT PSYCHOLOGY

Level 3

one-half year

.5 credit

Grades 9-12

This course provides study of the physical, emotional, intellectual, and social development of the prenatal stage, child through adolescence. Daily care, guidance, discipline and other parenting skills will be studied. Students will explore values and their relationship to basic human needs. Students will be better prepared to move toward successful adult roles in a responsible manner.

819 CHILD DEVELOPMENT AND ADOLESCENT PSYCHOLOGY II

Level 3

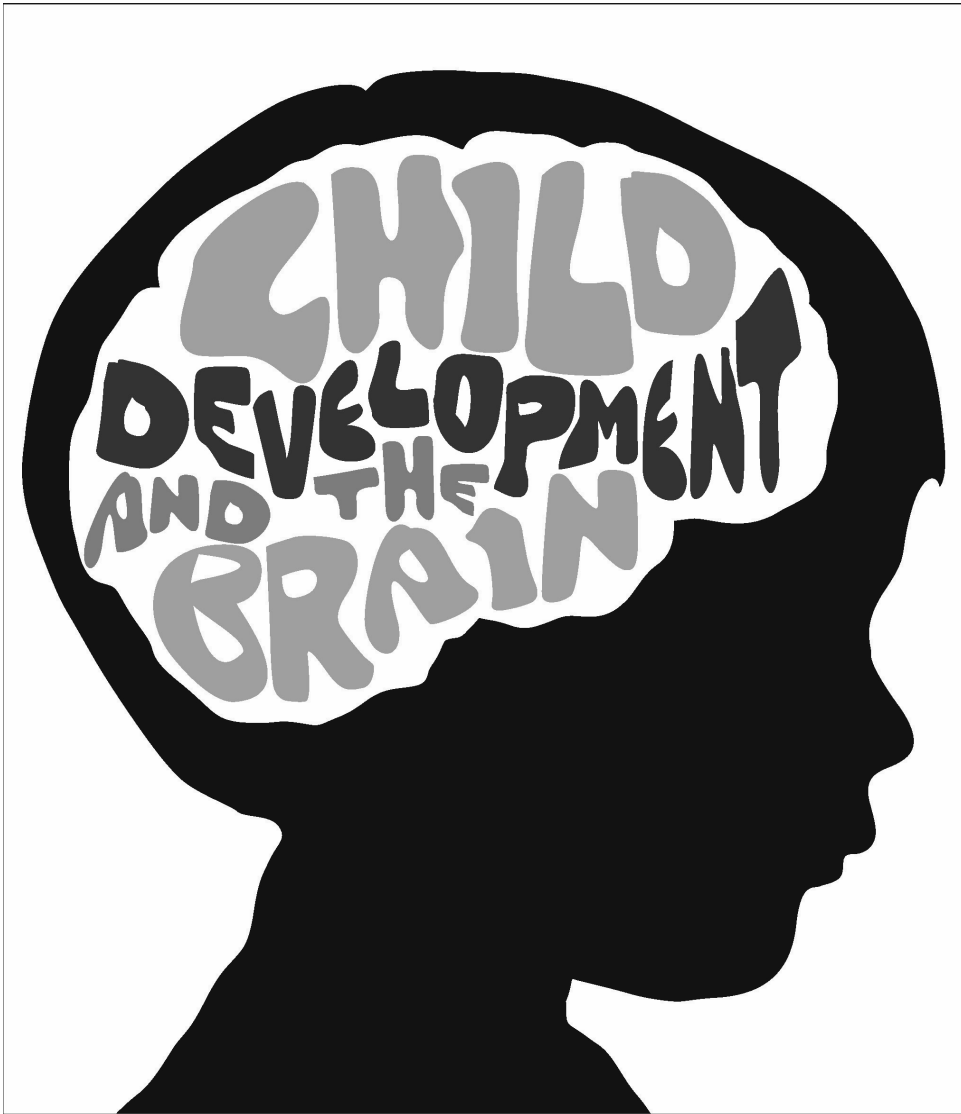
one-half year

.5 credit

Grades 9-12

Prerequisite: Child Development and Psychology Part I.

This course deals with the vast number of choices individuals make in relation to parenting. The economic, social, educational, and physical conditions which influence parenting are identified. Skills for working with children of all ages will be discussed.





Mathematics Department Course Sequence

It is strongly recommended that all students take a mathematics and/or computer programming course through 12th grade. In preparing for college, technical school and/or the workforce, students are expected to problem solve, think analytically, reason mathematically, prove mathematical connections, and model and represent mathematical ideas in a variety of ways. The mathematics department has incorporated these skills into the programs offered. By integrating technology and providing students with the necessary skills to succeed, the mathematics and/or computer science courses are designed to enhance the marketability of every student as they prepare for college acceptance and apply to enter the workforce.

Students are strongly encouraged to take elective courses in conjunction with their mathematics program of study outlined below.

Elective Courses

AP Statistics ~ SAT Math Prep ~ Topics in Mathematics

Computer Applications ~ Computer Programming ~ AP CS Principles ~ Cybersecurity

Comp TIA A+ Core 1 ~ Comp TIA A+ Core 2~Esports-*GAMING CONCEPTS & INTERACTIVE MEDIA*

***Pre-Calc/Pre-Calc Honors 4 SUNY Farmingdale credits-see course description**

****AP Statistics up to 6 Suffolk Community College credits-see course description**

RECOMMENDED MATHEMATICS SEQUENCE	8th grade Algebra I				Taken with Mathematics Sequence	COMPUTER SCIENCE SEQUENCE
	9th grade Geometry Honors +	9th grade Algebra I	9th grade Algebra I w/ Lab	9th grade Intermediate Algebra I		9th grade Computer Prog AP CS Principles
	10th grade Algebra II Honors	10th grade Geometry	10th grade Geometry w/ Lab or Topics in Algebra & Geometry	10th grade Algebra I w/ Lab		10th grade Computer Prog Adv Prog AP CS Principles Cybersecurity Comp TIA A+ Core 1
	11th grade Pre-Calculus Honors* and AP Statistics**	11th grade Algebra II	11th grade Algebra II w/ Lab or Geometry w/ Lab	11th grade Geometry w/ Lab or Topics in Algebra & Geometry		11th grade Computer Prog Adv Prog AP CS A AP CS Principles Cybersecurity Comp TIA A+ Core 1 Comp TIA A+ Core 2
	12th grade AP Calculus AB or AP Calculus BC	12th grade Pre-Calculus* and/or AP Statistics**	12th grade Math/Computer Elective	12th grade Algebra II w/ Lab or Geometry w/ Lab		12th grade Computer Prog Adv Prog Adv Topics CS AP CS Principles Cybersecurity Comp TIA A+ Core 2

MATHEMATICS EDUCATION

359 INTERMEDIATE ALGEBRA I

Level 3 **one year**

1.0 credit

Grade 9

Prerequisite: This course is only available to 9th grade students with a recommendation made by their Middle School teacher and/or school counselor.

This course is designed to strengthen the algebra concepts and reinforce computational skills before taking Algebra I. This course is not NCAA approved.

360 ALGEBRA I REGENTS

NCAA approved course

Level 3 **one year**

1.0 credit

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course will be the first in a series of three high school mathematics courses and will culminate with the New York State Algebra I Regents in June.

361 ALGEBRA I WITH LAB

NCAA approved course

Level 3 **one year**

1.0 credit

This course is designed to mirror ALGEBRA I REGENTS with an alternate day lab to support the daily coursework. Students will take the New York State Algebra I Regents in June. Entrance criteria for the class includes a score of 2 or below on the New York State Grade 8 Exam in Mathematics, an 8th grade class average of 74 or below, and/or teacher recommendation.

375 TOPICS IN ALGEBRA AND GEOMETRY

Level 3 **one-year**

1.0 credit

Prerequisite: Successful completion of Algebra 1 CC course and regents score below 70

This course is designed for students who need additional development of basic algebra skills and an introduction to foundational geometric concepts in order to be successful in the future study of Regents level Geometry. The course will focus on the reinforcement of algebraic concepts through geometric applications. A final exam will be given at the end of the course.

This course is not NCAA approved.

362 ALGEBRA I AG

NCAA approved course (.5 credit)

Level 3 **first year of two**

1.0 credit

This course is designed to be the first year of a two year sequence in Algebra I. This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The course will culminate in the New York State Algebra I Regents at the completion of Algebra I BG in year two.



373 ALGEBRA I BG

NCAA approved course (.5 credit)

Level 3 second year of two 1.0 credit

Prerequisite: This course is designed to be the second year of a two year sequence in Algebra I.

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course will culminate in the New York State Algebra I Regents at the completion of Algebra I BG in June.

380 MATHEMATICS FOR LIFE

Level 3 one year 1.0 credit

Prerequisite: Successful completion of two math credits.

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). Students will develop skills in the areas of personal checking accounts, income tax preparation, family budget (paying rent, buying or leasing a car, insurance, managing money), credit cards, and personal loans. Subject mastery may be evaluated using alternative teaching methods and assessments.

370 GEOMETRY

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: Successful completion of Algebra I, in 9th grade, with a final average of 80 or higher.

This course is the second course in mathematics for high school students. The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades at a more challenging level. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course is the second in a series of three high school mathematics courses and will culminate with the Geometry Regents (Common Core) in June.

372 GEOMETRY HONORS +

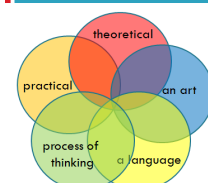
NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: Successful completion of Algebra I in 8th grade and regents grade 85 or higher. In addition to being the second course in mathematics for high school students, topics will be extended and enriched to prepare students for Algebra II Honors and Pre-Calculus.

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades at a more challenging level. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course is the second in a series of three high school mathematics courses and will culminate with the Geometry Regents (Common Core) in June.

Mathematics is ...



371 GEOMETRY WITH LAB

NCAA approved course

Level 3

one year

1.0 credit

Prerequisite: Successful completion of Algebra I, in 9th grade, with a final average and Regents grade of 80 or below and teacher recommendation or successful completion of Algebra I with Lab.

This course is designed to mirror GEOMETRY REGENTS with an alternate day lab to support the daily coursework. Students will take the Geometry Regents (Common Core) in June.

334 ALGEBRA II

NCAA approved course

Level 3

one year

1.0 credit

Prerequisite: Successful completion of Geometry and regents grade 75 or higher.

While developing the algebraic techniques that will be required of those students that continue their study of mathematics, this course is also intended to continue developing alternative solution strategies and algorithms. The number system will be extended to include imaginary and complex numbers and 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 correlation 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. This course is the third and final in a series of three high school mathematics courses and will culminate with the Algebra II Regents (Common Core) in June.

335 ALGEBRA II HONORS

NCAA approved course

Level 2

one year

1.0 credit

Prerequisite: Successful completion of Geometry Honors with a final average of 85 or higher and regents grade 80 or higher.

In addition to being the third course in mathematics for high school students, the topics will mirror those for Algebra II (see course description) and will be extended and enriched to prepare students for Pre-Calculus and AP Calculus. This course is the third and final in a series of three high school mathematics courses and will culminate with the Algebra II Regents (Common Core) in June.

336 ALGEBRA II WITH LAB

NCAA approved course

Level 3

one year

1.0 credit

Prerequisite: Successful completion of Geometry and Regents grade of 75 or below and teacher recommendation or successful completion of Geometry with Lab.

This course is designed to mirror ALGEBRA II with an alternate day lab to support the daily coursework. Students will take the Algebra II Regents (Common Core) in June.

340 PRE-CALCULUS

NCAA approved course

Level 3

one year

1.0 credit

Prerequisite: Successful completion of Algebra II and passing the Regents examination.

This course covers a variety of topics selected to provide a firm foundation for Calculus and other future college mathematics courses. Topics will emphasize advanced algebraic techniques and trigonometry with an introduction to differential calculus later in the course. The use of a graphing calculator will be an integral part of the course, but its use will be limited in preparation for standardized tests, the AP program, and other college-level standards. The course will culminate in a final examination in June. Juniors completing this course can enroll in AP Calculus AB for their senior year. **Students in 11th and 12th grade, with an Algebra II Regents score of 70+, can earn 4 college credits from Farmingdale State College.**



341 PRE-CALCULUS HONORS

NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: Successful completion of Algebra II Honors with a final average of 85 or higher.

This course provides a strong foundation for Calculus and other higher level mathematics. It includes an in-depth exploration of topics in advanced algebra, trigonometry, and differential calculus. The use of a graphing calculator will be an integral part of the course, but its use will be limited in preparation for standardized tests, the AP program, and other college-level standards. The course culminates in a final examination in June. Students completing this course can enroll in AP Calculus BC.

Students in 11th and 12th grade, with an Algebra II Regents score of 70+, can earn 4 college credits from Farmingdale State College.

311 AP CALCULUS AB

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: Successful completion of Pre-Calculus and recommendations of the Pre-Calculus teacher.

This course follows the AP Calculus AB outline and emphasizes elementary functions along with the study of and applications of Differential and Integral Calculus. The course is approximately equivalent to College Calculus I. The use of a graphing calculator will be an integral part of the course. Students are expected to sit for the AP Examination in May. There is a final exam in June. **This course has a summer assignment.**

312 AP CALCULUS BC

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: Successful completion of Pre-Calculus and recommendations of the Pre-Calculus teacher.

This is an intensive mathematics course that reflects the content of Calculus courses offered at most colleges and universities -- Differential Calculus, Integral Calculus, and Other Topics. The course follows the AP Calculus BC outline and is approximately equivalent to a combination of College Calculus I and College Calculus II. It is geared for the STEM-oriented student and requires a thorough knowledge of elementary functions, algebra, trigonometry, and geometry. Level BC is more rigorous than AB. The use of a graphing calculator will be an integral part of the course. Students are expected to sit for the AP Examination in May. There is a final project after the AP Examination. **This course has a summer assignment.**

328 AP STATISTICS

NCAA approved course

Level 1 one year 1.0 credit Grades 11-12

Prerequisite: Final average of at least 85 or higher in Algebra II and teacher recommendation.

This is a college level course. Students will explore various methods of data analysis that will include hypothesis testing, analysis of variance, correlation and regression. Students are expected to sit for the Advanced Placement Examination in Statistics. Students may also earn college credits through the Suffolk County Community College Beacon Program. **This course has a summer assignment.**

317 SAT MATH PREP

Level 3 one-half year .5 credit Grades 10-12

Students will review specific content tested on the SAT, as well as learn strategies and shortcuts to master specific question types. The class will cover: test-taking strategies for the math portion of the exam, the test taker's mentality, how the SAT is scored, and concepts such as Number and Operations, Algebra I and Functions, Geometry and measurement, Data Analysis, Statistics, and Probability. Students enrolled in this course should have completed Geometry coursework. This course is graded as a Pass/Fail.

374 PRACTICAL APPLICATIONS OF MATHEMATICS

Level 3 one year 1.0 credit Grade 12

Prerequisite: Successful completion of 2 Math credits.

This course designed for seniors to further develop their skills in Algebra, as well as, investigate the real life applications. Coursework may include Project Based Learning and traditional assessments. The course will culminate in a final exam/project in June. This course is not NCAA approved.

MATHEMATICS EDUCATION

376 TOPICS IN MATHEMATICS

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: Successful completion of Algebra II coursework. Grade 12

This course is designed for 11th and 12 grade students and will finally answer the question of "When will I use this in real life?" Topics will be introduced through class discussion, multimedia and technology and grow into class projects and debates. Some topics include how computers work, credit cards, the stock market, investments, mortgages, probability, predicting the future, logic, and 3-d space. While focusing on understanding these topics, students will explore the math behind them, their origins, problem-solving strategies and the relevance to their own lives.

ESPT ESPORTS: GAMING CONCEPTS & INTERACTIVE MEDIA

Level: 3 one year 1.0 credit (0.5 Business/0.5 Computer Science)*
Grades: 10-12

Students will explore esports history, game genres, technology, hands-on troubleshooting, and college and career readiness. The course allows students to practice good gamer health and engage in digital citizenship, teamwork, and reflection. Students will focus on digital graphics, print media, computer animation, audio production, video production, web design, and other newly-emerging forms of digital media.

***Students must complete both courses in order to earn any course credit.**

315 COMPUTER APPLICATIONS

Level 3 one year 1.0 credit

This course is a full year elective that explores computer software applications, such as programming, using HATCH and MAZE CODE, and business applications, such as word processing, spreadsheets, and presentation software. *Only with prior approval from Math Director, student will earn one math credit.*

365 COMPUTER PROGRAMMING

Level 3 one year 1.0 credit

This is an entry level course in computer programming that is designed to familiarize students with common programming structures within the basic programming language. Using real-life projects and scenarios, the emphasis of this course will be placed on problem-solving techniques, decision structures, loop structures, sub-procedures, and debugging techniques.

366 ADVANCED PROGRAMMING

Level 3 one year 1.0 credit

Prerequisite: Successful completion of Computer Programming or AP CS Principles.

This course provides students with the opportunity to utilize and fine tune the skill set learned in Computer Programming to simulate real-world experiences as a programmer. Students will work collaboratively to explore in-depth solutions to a variety of scenarios that promote the soft skills necessary in the field of computer science. This course is designed to broaden student problem-solving capabilities via projects that include game-based design.

325 ADVANCED TOPICS IN COMPUTER SCIENCE

NCAA approved course

Level 3 one-half year .5 credit

Prerequisite: Successful completion of AP Computer Science and teacher approval.

This independent study course is for students who have completed AP Computer Science and are interested in continuing their studies through independent projects.



323 ADVANCED PLACEMENT COMPUTER SCIENCE A

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: Successful completion of Advanced Programming or departmental approval.

This course is designed for the highly motivated student who desires to complete a college level course in computer science. The major emphasis of the course will be on programming methodology, algorithms and data structures using the Java programming language. Students are expected to sit for the Advanced Placement examination in Computer Science A in May. **This course has a summer assignment.**

316 CYBERSECURITY

Level 3 one year 1.0 credit

As our world becomes increasingly dependent on technology, cybersecurity is a topic of growing importance. It is crucial that companies and individuals take precautions to protect themselves from the growing threat of cyber attacks. This course prepares students with crucial skills to be responsible citizens in a digital future. Students will learn foundational cybersecurity topics including networking fundamentals, software security, and basics of cryptography.

324 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: Successful completion Algebra I or department approval.

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. The course covers many topics including the Internet, Big Data and Privacy, and Programming and Algorithms. Students are expected to sit for the Advanced Placement examination in Computer Principles in May. **This course has a summer assignment.**

313 COMP TIA A+ CORE 1 COMPUTER HARDWARE

NCAA approved course

Level 3 one year 1.0 credit Grades 10-12

This course explores the basic necessary skills for an entry-level IT professional. The topics covered will include Mobile Devices, Networking Technology, Hardware, Virtualization and Cloud. Students will prepare in an online, traditional classroom, and lab settings to assemble components based on customer requirements; install, configure, and maintain PCs, mobile devices, and software for end users; understand the basics of networking and security forensics; properly and safely diagnose, resolve, and document common hardware and software issues; apply troubleshooting skills; provide appropriate customer support; and understand the basics of scripting, virtualization, desktop imaging, and deployment. This course will prepare students for the CompTIA A+ Core 1 exam. To receive full A+ Certification students will have to continue on for the Core 2 course and successfully complete the exam. **Additional fee is required for exam, this is not a requirement of the course.**

322 COMP TIA A+ CORE 2 COMPUTER SOFTWARE

NCAA approved course

Level 3 one year 1.0 credit Grades 11-12

Prerequisite: Comp TIA A+ Core 1 (220-1101) Computer Hardware and Networking Basics

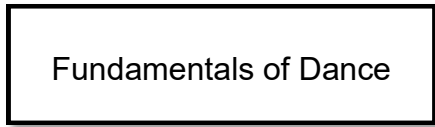
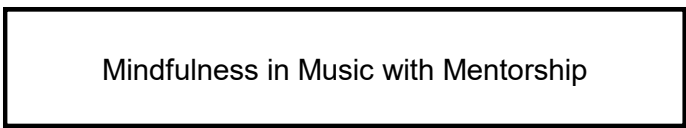
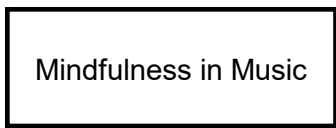
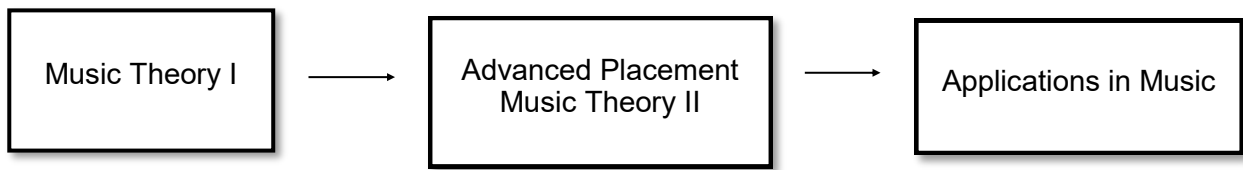
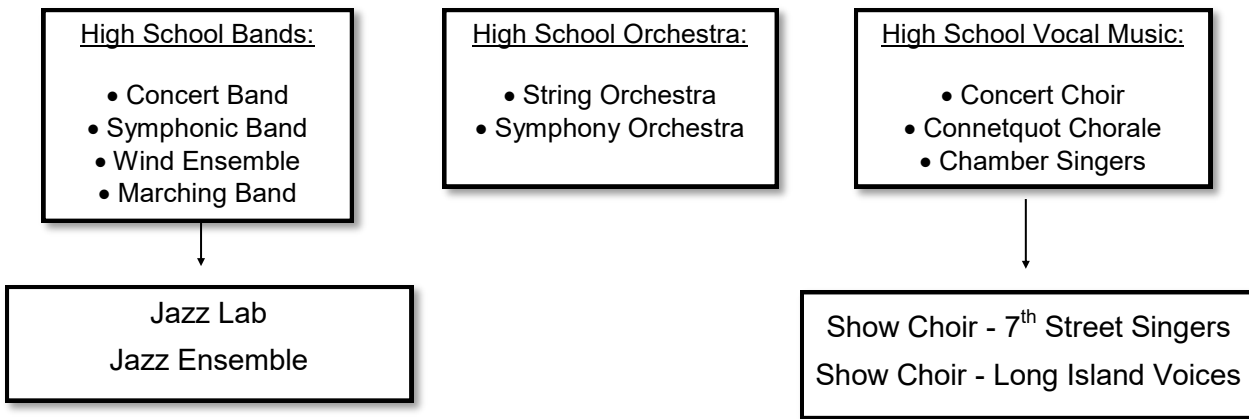
This course explores the basic necessary skills for an entry-level IT professional. The topics covered will include Operating Systems, Expanded Security, Software Troubleshooting, and Operational Procedures. Students will prepare in an online, traditional classroom, and lab settings to assemble components based on customer requirements; install, configure, and maintain PCs, mobile devices, and software for end users; understand the basics of networking and security forensics; properly and safely diagnose, resolve, and document common hardware and software issues; apply troubleshooting skills; provide appropriate customer support; and understand the basics of scripting, virtualization, desktop imaging, and deployment. This course will prepare students for the CompTIA A+ Core 2 exam. To receive full A+ Certification students will have to successfully complete both the Core 1 and Core 2 exams. **Additional fee is required for each exam, this is not a requirement of the course.**

MUSIC EDUCATION: FLOW CHART

Special Note: The flow chart below illustrates possible pathways students may take. See course prerequisites for further details in the Music Department.

The Five Credit Art Sequence:

Students who complete a five-credit Music sequence for a Regents Diploma with Advanced Designation may be exempt from the three credit second language requirement. Students who select this sequence must earn five credits in music by participating in a major performing ensemble and earning credits from other music elective courses.





Connetquot High School

MUSIC EDUCATION

MUSIC COURSES	9	10	11	12	Full or Half Year
BAND					
952 - Concert Band	√				Full Year
904 - Symphonic Band		√	√	√	Full Year
905 - Wind Ensemble		√	√	√	Full Year
926 - Marching Band (scheduled with 952, 904, or 905)	√	√	√	√	Full Year
909 - Jazz Lab	√	√	√	√	Full Year
908 - Jazz Ensemble		√	√	√	Full Year
ORCHESTRA					
916 - String Orchestra	√	√			Full Year
906 - Symphony Orchestra		√	√	√	Full Year
CHORAL					
902 - Concert Choir	√				Full Year
903 - Connetquot Chorale		√	√	√	Full Year
970 - Chamber Singers		√	√	√	Full Year
912 - Show Choir—Long Island Voices	√	√	√	√	Full Year
914 - Show Choir—7th Street Singers	√	√	√	√	Full Year
MUSIC THEORY					
910 - Music Theory I	√	√	√	√	Full Year
911 - AP Music Theory II		√	√	√	Full Year
924 - Applications in Music			√	√	Full Year
OTHER MUSIC ELECTIVES					
901 - Mindfulness in Music	√	√	√	√	Half Year
900 - Mindfulness in Music with Mentorship			√	√	Half Year
920 - Fundamentals of Dance	√	√	√	√	Full Year
921 - Modern Dance I	√	√	√	√	Full Year

MUSIC EDUCATION

952 CONCERT BAND

Level 3 **one year** **1.0 credit per year** **Grade 9**

Prerequisite: Concert Band is open to all qualified students who have the approval of the director.

The Concert Band performs at a grade 4 NYSSMA level. In addition to daily rehearsals within the school day, each member is required to attend one group lesson per week, which is scheduled on a rotating basis. Students in the Concert Band will also be registered for 903 Marching Band. Concert Band requirements include all regularly scheduled school concerts and may include participation in NYSSMA Solo and Ensemble Festivals, SCMEA, Major Organizational festivals and additional performances planned jointly by the instructor and students.

904 SYMPHONIC BAND

Level 3 **one or more years** **1.0 credit per year** **Grades 10-12**

Prerequisite: Concert Band

The Symphonic Band performs at a grade 5 NYSSMA level. In addition to daily rehearsals within the school day, each member is required to attend one group lesson per week, which is scheduled on a rotating basis. Students in the Symphonic Band will also be registered for 903 Marching Band. Symphonic Band requirements include all regularly scheduled school concerts and may include participation in NYSSMA Solo and Ensemble Festivals, SCMEA, Major Organizational festivals and additional performances planned jointly by the instructor and students.

905 WIND ENSEMBLE

Level 2 **one or more years** **1.0 credit per year** **Grades 10-12**

Prerequisite: Concert Band, audition, and approval of the director.

The Wind Ensemble performs repertoire of the highest difficulty level. In addition to daily rehearsals within the school day, each member is required to attend one group lesson per week, which is scheduled on a rotating basis. Students in the Wind Ensemble will also be registered for 903 Marching Band. Wind Ensemble requirements include all regularly scheduled school concerts and may include participation in NYSSMA Solo and Ensemble Festivals, SCMEA, Major Organizational festivals and additional performances planned jointly by the instructor and students.

926 MARCHING BAND

Level 3 **one or more years** **0.25 credit per year** **Grades 9-12**

Prerequisite: This course is will be included for all students registered for 952, 904, and 905.

Marching Band begins with a 5-day Band Camp during the summer, culminating in a parent performance. Performances during the year include, but are not limited to, halftime shows for home football games, marching band festivals, and parades.

908 JAZZ ENSEMBLE

Level 2 **one or more years** **1.0 credit per year** **Grades 10-12**

Prerequisite: Audition, approval of the director, and enrollment in 952, 904, or 905.

Jazz Ensemble rehearses five periods per week and is part of the regularly scheduled school day. Participating students will be taught to compose and arrange their own music; interpret jazz as it relates to the traditional concert style of playing; and demonstrate aural and improvisational music skills. Field trips to jazz festivals will be scheduled. Jazz Ensemble members will be required to perform in school-sponsored concerts.

909 JAZZ LAB

Level 3 **one or more years** **1.0 credit per year** **Grades 9-12**

Prerequisite: Audition, approval of the director, and enrollment in 952, 904, or 905.

Jazz Lab rehearses five days per week for a full year and is part of the scheduled school day. Participating students will be taught the basic jazz styles; to interpret jazz music as it relates to traditional concert music and beginning improvisation. Field trips to jazz festivals may be scheduled. Jazz Lab members will be required to perform in school-sponsored concerts.

916 STRING ORCHESTRA

Level 3 **one or more years** **1.0 credit per year** **Grades 9-10**

Prerequisite: Orchestra is open to all qualified students who have the approval of the director.

The string orchestra performs at a grade 3/4 NYSSMA level. In addition to daily rehearsals, each orchestra member is required to attend one group lesson per week, which is scheduled on a rotating basis. Orchestra requirements include all regularly scheduled school concerts and may include participation in NYSSMA Solo and Ensemble Festivals, Long Island String Festival, Major Organizational Festivals and additional performances planned jointly by the instructor and students.

906 SYMPHONY ORCHESTRA

Level 2 **one or more years** **1.0 credit per year** **Grades 10-12**

Prerequisite: This course is open to students in grades 10, 11 and 12 by audition and approval of the director.

The symphony orchestra performs at a grade 5/6 NYSSMA level. In addition to daily rehearsals, each orchestra member is required to attend one group lesson per week, which is scheduled on a rotating basis. Orchestra requirements include all regularly scheduled school concerts and may include participation in NYSSMA Solo and Ensemble Festivals, Long Island String Festival, Major Organizational Festivals and additional performances planned jointly by the instructor and students.



902 CONCERT CHOIR

Level 3 **one year** **1.0 credit per year** **Grade 9**

Students will learn to improve their individual vocal skills and performance techniques as well as learn the skills required for ensemble singing and performing. Pitch awareness, rhythmic ability, voice tone quality, proper articulation, music reading skills and vocal style are reinforced during the daily large group chorus instructional period and through the required weekly small group instructional lessons. Students are afforded the opportunity to perform at scheduled school concerts and at additional performances planned jointly by the instructor and students.

903 CONNETQUOT CHORALE

Level 3 **one or more years** **1.0 credit per year** **Grades 10-12**

Prerequisite: Concert Choir

Students will learn to improve their individual vocal skills and performance techniques as well as learn the skills required for ensemble singing and performing. Pitch awareness, rhythmic ability, voice tone quality, proper articulation, music reading skills and vocal style are reinforced during the daily large group chorus instructional period and through the required weekly small group instructional lessons. Students are afforded the opportunity to perform at scheduled school concerts and at additional performances planned jointly by the instructor and students.

970 CHAMBER SINGERS

Level 2 **one or more years** **1.0 credit** **Grades 10-12**

Prerequisite: Concert Choir or Connetquot Chorale, audition, and approval of the director.

This ensemble will study and perform challenging choral repertoire at concerts, events, and festivals. Chamber Singers will be striving for the highest musical standards of excellence as set forth by the NYS Learning Standard of the Arts. Advanced choral skills, including proper pitch awareness, rhythmic ability, voice tone quality, articulation and music reading skills will be refined. A weekly choral lesson (small group ensemble) is required within the school day.

912 SHOW CHOIR - LONG ISLAND VOICES

Level 3 **one or more years** **1.0 credit** **Grades 9-12**

Prerequisite: Audition, approval of the director, and enrollment in 902, 903, or 929.

This course provides vocal instruction in musical styles beyond those performed by classical choral ensembles. Show choir offers a unique focus for students. The Long Island Voices utilizes musical theater, jazz, and popular styles to teach the proper vocal technique as well as dancing. Performance participation will be at the annual jazz concerts. Additional performances may be planned at the discretion of the teacher. Students receive Level 2 credit for Show Choir by preparing a NYSSMA Level 6 solo and receiving a numerical grade of 80 (B).

920 FUNDAMENTALS OF DANCE

Level 3 **one year** **1.0 credit** **Grades 9-12**

Prerequisite: No previous dance experience necessary

Students will learn the basics of dance techniques in a fun, positive, and engaging classroom atmosphere. Students will gain confidence in understanding how to move their bodies, learn basic choreography, and the importance of dance in society. No previous dance skills are required for this class.

921 MODERN DANCE I

Level 3 **one year** **1.0 credit** **Grades 9-12**

Prerequisite: Previous dance instruction and knowledge of techniques encouraged

Students will receive technical training in modern dance and ballet. This course is recommended for students who have previous dance training and is looking to strengthen their understanding of dance techniques, choreography, and dance history.

MUSIC EDUCATION

914 SHOW CHOIR – 7th STREET SINGERS

Level 3 one or more years 1.0 credit Grades 9-12

Prerequisite: Audition, approval of the director, and enrollment in 902, 903, or 929.

This course provides vocal instruction in musical styles beyond those performed by classical choral ensembles. The Seventh Street Singers utilizes musical theater, jazz, and popular styles to teach the proper vocal technique in an acapella setting. Performance participation will be at the annual jazz concerts. Additional performances may be planned at the discretion of the teacher. Students receive Level 2 credit for Show Choir by preparing a NYSSMA Level 6 solo and receiving a numerical grade of 80 (B) or higher from the NYSSMA Adjudicator at the Solo Festival held during the Spring semester.

910 MUSIC THEORY I

Level 3 one year 1.0 credit Grades 9-12

Prerequisite: None.

This course offers the necessary fundamental technical study of music for students interested in the musical arts. Content includes a thorough study of pitch, rhythm, meter and time signatures, scales, key signatures, intervals, tertian triads, seventh chords, interval and chord inversions, and an introduction to Roman numeral analysis and figured bass. Students will build ear training skills through dictation and sight reading exercises. Students will also engage in activities involving listening to and analyzing musical excerpts and develop basic piano skills specifically relating to concepts explored throughout the course.

911 ADVANCED PLACEMENT MUSIC THEORY II

Level 1 one year 1.0 credit Grades 10-12

Prerequisite: Music Theory I or approval of the director.

This course is for students who have successfully completed the Music Theory I course or who demonstrate appropriate prior knowledge. Students will build upon the concepts explored in Music Theory I and will study harmony, harmonic progression, form, non diatonic harmony, basic composition, as well as advanced aural skills including dictation and sight-singing. Students are expected to take the AP Music Theory Exam. Students must have completed the AP Music Theory course to be eligible to sit for the AP Exam.

924 APPLICATIONS IN MUSIC

Level 2 one year 1.0 credit Grade 11-12

Prerequisite: AP Music Theory OR 3 consecutive years in H.S. Band, Orchestra, or Chorus.

Applications in Music builds upon prior knowledge in music theory and/or ensemble performance experience to explore 21st century creativity. In this course, students will create musical, audio, and visual media using computer-based music notation software, digital audio workstations, and video editing software. Primarily project-based, this student-centered course will afford participants the freedom to explore creative endeavors and develop a wide variety of musical and technological skills.

901 MINDFULNESS IN MUSIC

Level 3 one-half year 0.5 Credit Grades 9-12

This course will explore music and its connection to the human experience. Students will analyze, listen to, discuss, and perform various genres of music to understand how it plays a role in their emotional, social, and physical well-being. Students will use music to help them focus, meditate, reflect, and practice mindfulness. This class is open to students who are willing to be open-minded, learn and share in a non-judgmental environment.

900 MINDFULNESS IN MUSIC WITH MENTORSHIP

Level 3 one-half year 0.5 Credit Grades 11-12

This course will explore music and its connection to the human experience. Students will analyze, listen to, discuss, and perform various genres of music to understand how it plays a role in their emotional, social, and physical well-being. Students will use music to help them focus, meditate, reflect, and practice mindfulness. This class is open to students who are willing to be open-minded, learn and share in a non-judgmental environment. General Education students will learn skills they can apply to several fields including education and social services. Pre-meeting with the teacher is required after scheduling.



EASTERN LONG ISLAND ACADEMY OF APPLIED TECHNOLOGY

- **MILIKEN TECHNICAL CENTER (MTC) - OAKDALE**
- **BIXHORN TECHNICAL CENTER (BTC) - BELLPORT**

Students planning to enroll in a technical program in grades 11 & 12:

1. To apply for this program, students and parents must meet with their School Counselor to complete an application. The deadline for submitting the application takes place during student course selection for the next school year. Students are urged to submit these applications as quickly as possible. Acceptance into the Academy program is contingent upon administrative review including criteria such as attendance, disciplinary record, academic record, etc.
2. Students should attend the winter Eastern Long Island Academy of Applied Technology Orientation held at Connetquot High School. See your School Counselor for details. (While this orientation is optional, it is a valuable introduction to the occupational courses offered through the Academy).
3. Students should sign up for the Eastern Long Island Academy of Applied Technology visits held in February. The Counseling Department has information about this visit. See your School Counselor for details (This visitation is optional; however, it allows a student to visit the Academy site and speak with the teachers and students who participate in this program).

This is to advise students, parents, employees and the general public that vocational educational opportunities are offered without regard to sex, race, color, national origin or handicap. The District Title 9 Representative is Ms. Gail Santo. The Connetquot School District offers students in grades 11–12 an opportunity, through the Board of Cooperative Educational Services, to participate in a variety of Career & Technical Education Programs. Students complete one half of their school day at the high school and are then transported to an Academy facility for the remainder of their day. Career & Technical Education helps prepare students with both the skills and knowledge needed to enter a skilled occupation as an experienced learner. Instruction is given for two hours and forty-five minutes each day. A student obtains 4 units of credit after completing and receiving a passing grade in an Academy program of study during a school year. For purposes of ranking, all Academy Courses are Level 3. Note: Credit is based on the total hours of classroom instruction.

Career and Technical Education (CTE) creates opportunities for all students by providing you with the technical and academic skills needed to prepare for future employment and a successful path to college or other post secondary programs.

CTE provides you with technical training to prepare for a successful career. The intensive training you'll receive gives you the tools needed to be successful in a job after high school and/or further your post-secondary education, whether technical school, two-year college, or four-year college.

Each student is encouraged to explore various areas of study and to develop the necessary skills to compete in today's competitive job market. For more information or to arrange a tour, please feel free to contact us at 631-244-5815.



OCCUPATIONAL EDUCATION

Courses are for one or two years, depending on the planned occupational course to be taken at Eastern Long Island Academy of Applied Technology. Note: All courses below may not be offered. Course offerings depend largely upon student interest. Courses not listed may be added as interest develops and expands. Enrollment in certain courses is limited. Therefore, all students applying for particular courses may not be accepted.

TRANSPORTATION COURSES

- Auto Body Repair & Aftermarket Accessories
- Automotive Technology
- Aviation Careers/Pre-Pilot
- Marine/Motorsports Technology

HEALTH COURSES

- Clinical Medical Assisting
- Nurse Assisting
- Practical Nursing
- Dental Assisting
- Certified Personal Trainer
- Physical Therapy Aide

CONSTRUCTION COURSES

- HVAC—Heating, Ventilation & A/C
- Plumbing & Heating
- Electrical Trade/Alternative Energy
- Carpentry/Residential Construction
- Welding/Metal Fabrication
- Engineering

COMMUNICATIONS COURSES

- Television Production
- Audio Production
- Art Design/Visual Communications
- Photography

SERVICES COURSES

- Childcare/Early Childhood Education
- Cosmetology
- Culinary Arts/Restaurant Management
- Law Enforcement
- Barbering

TECHNOLOGY COURSES

- Computer Technology & Repair
- Drone Technology
- Computer Science and App Development

AGRICULTURAL COURSES

- Animal Science
- Veterinary Assisting

BUSINESS COURSES

- Fashion Merchandising & Design



ALL STUDENTS MUST EARN THE EQUIVALENT OF TWO UNITS OF CREDIT IN PHYSICAL EDUCATION. STUDENTS FAILING TO SATISFY THE STATE PHYSICAL EDUCATION REQUIREMENT WILL BE DENIED A HIGH SCHOOL DIPLOMA .

All students will be assigned a Physical Education class on an alternate day basis. Students who receive a final grade of less than 70% will be considered as "failing" and will not have met the Physical Education requirements. A student who "fails" the Physical Education course must repeat and pass that course during summer school or during the following year.

One half credit (.5) is awarded each year for successful completion of the Physical Education requirement. No student can be scheduled for more than one (1) Physical Education period each day. All Physical Education classes meet the following NYS Learning Standards:

Standard One: Personal Health/Fitness

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

Standard Two: Safe & Healthy Environment

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

Standard Three: Resource Management

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

GRADUATION REQUIREMENTS

In keeping with the New York State Standards for Physical Education, all students graduating after 2003 will be required to:

1. Complete a written fitness plan demonstrating knowledge of the concepts of personal health-related fitness.
2. Show competency in 9 different units of Physical Education.
3. Show proficiency in 3 different units of Physical Education.
4. Show proficiency in water safety and swimming techniques.

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION—9TH GRADE CORE (COURSE #1110)

All ninth grade students are assigned to the Core program. This course provides every ninth grade student with the basic skills and knowledge necessary to maintain a physically active lifestyle. Health related fitness activities constitute the theme for this course, providing every student with the knowledge and background to maintain life-long wellness. Students will participate in community swimming and basic water safety, cooperative games, personal fitness and a team sport.

SELECTION ACTIVITIES—10TH, 11TH & 12TH GRADE (COURSE #1101)

Every 11th and 12th grade student who has successfully passed the Core program will receive an opportunity each quarter to select a Physical Education activity from a wide variety of offerings. Listed below are activities that are usually available to students. Additional activities may be added in accordance with current trends in physical education.

Aerobics/Dance	Basketball	Body Sculpting
Pickle Ball	Yoga/Pilates	Volleyball
Badminton	Football (flag)	Hiking & Backpacking
Project Adventure	Power Walking	Softball
Cardio—Kickboxing	Ultimate Frisbee	Self Defense
Soccer	Tennis	Golf
Lifeguard Training (1/2 Year)	Weight Training	Cricket
Backyard Games		

1102 LIFEGUARD TRAINING

Level 3 **one-year** **.5 credit** **Grades 10-12**

Students can receive a full year Physical Education credit and possibly earn a certification from the American Red Cross in Lifeguarding, CPR for the Professional Rescuer, AED, and First Aid. Students must pass a rigorous swim entry test, including a 500-yard continuous swim, before being admitted into the course. To earn a Red Cross certification, the student must pass a lifeguard skills test and three written exams, as well as pay a fee of approximately \$41 to the American Red Cross. This counts toward NYS Physical Education credit.

**Pending pool availability.

1105 SOCIAL AND EMOTIONAL WELLNESS THROUGH PHYSICAL EDUCATION

Level – Open to All **one-half year** **.5 Credit** **Grades 9-12**

The aim of this course is to help students understand different coping techniques through Physical Education to advance their Social, Emotional and Mental Health. Students will be introduced to varying techniques that make up the complete health triangle. Through different practices that challenge the students mind and body, students will be given different ways to understand how to manage the ever changing world around them.

This is an elective and does not count toward required NYS Physical Education credit.

409 INTRODUCTION TO ATHLETIC TRAINING

Level 3 **one-half year** **.5 credit** **Grades 10-12**

This course provides an opportunity for the study and application of the components of sports medicine including but not limited to: Sports medicine related careers, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities and exercises. This course is not a substitute for a science credit. **This is an elective and does not count toward required NYS Physical Education credit.**



402/402ab HEALTH 9

Level 3

one-half year

.5 credit

Grade 9

Health Education is mandated for all students during their High School career. A student who fails Health Education must repeat and pass the course prior to graduation. The Health education curriculum is developed to promote safe and healthy lifestyle choices. The exit outcomes for this course are aligned with the New York State Guidance Document and National Health Education Learning Standards. Upon successful completion of this course students will possess an increase in skills that will help them promote physical, mental and social wellness.

401 HEALTH

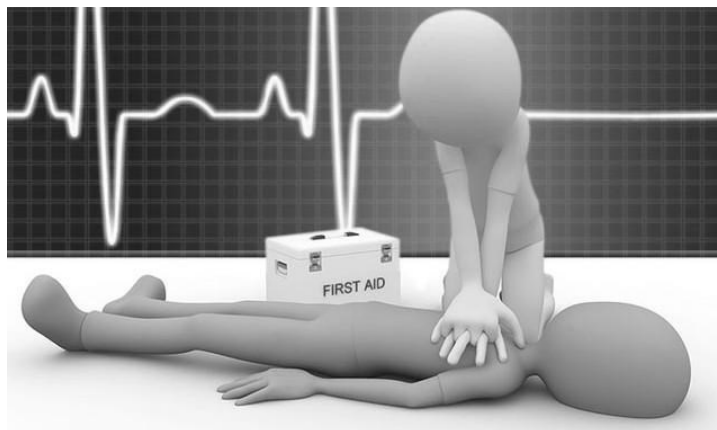
Level 3

one-half year

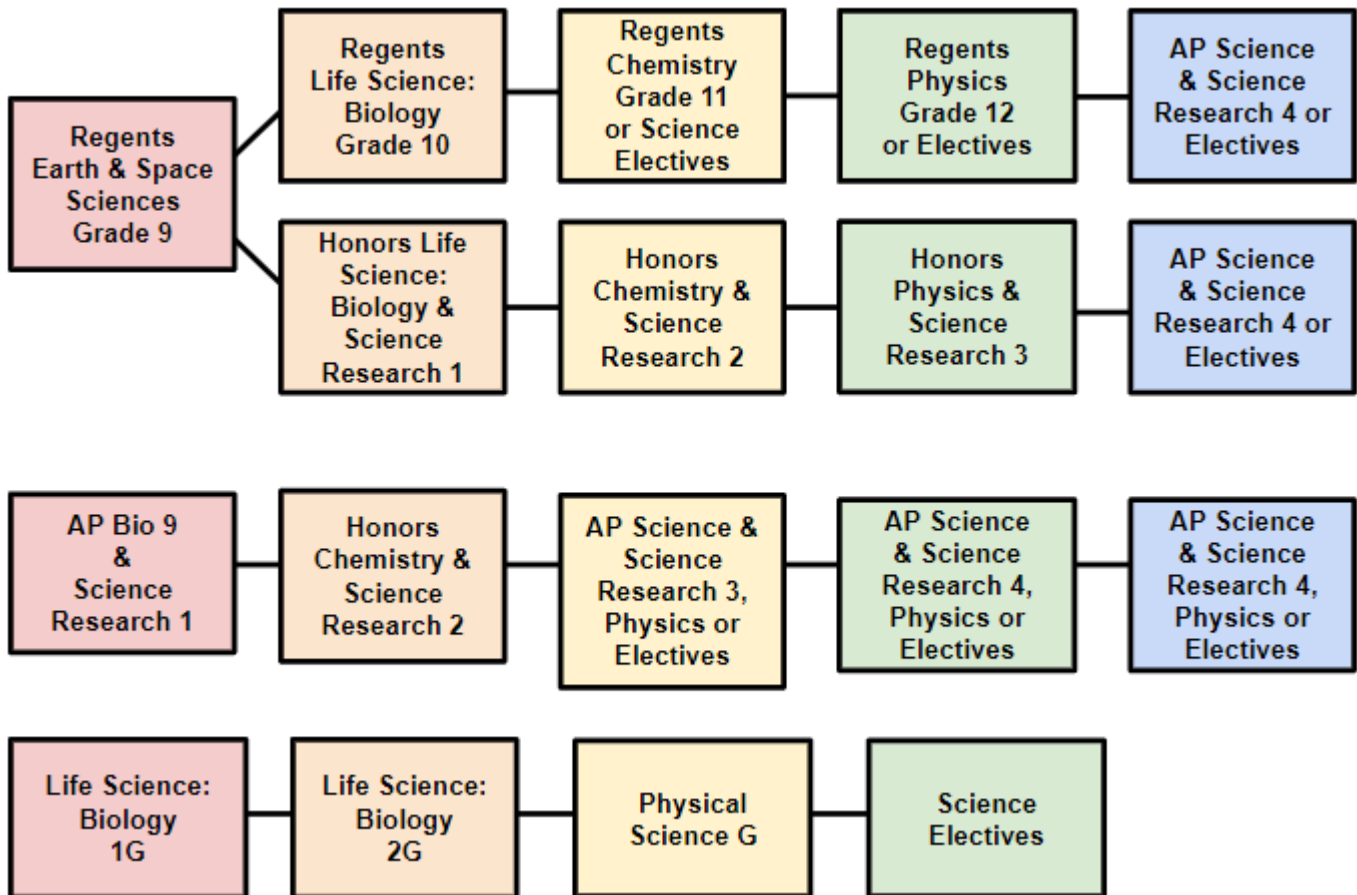
.5 credit

Grades 10

Health Education is mandated for all students during their High School career. It is taken by 10th grade students if they failed to take it in 9th grade. A student who fails Health Education must repeat and pass the course prior to graduation. The Health education curriculum is developed to promote safe and healthy lifestyle choices. The exit outcomes for this course are aligned with the New York State Guidance Document and National Health Education Learning Standards. Upon successful completion of this course students will possess an increase in skills that will help them promote physical, mental and social wellness.



SCIENCE DEPARTMENT COURSE SEQUENCE



- Science Electives**
- Clinical Orthopedics
 - College Medical Anatomy and Physiology
 - Ecology of Marine and Freshwater Ecosystems
 - Emergency Medicine
 - Environmental Science and Sustainability
 - Forensic Chemistry
 - General Chemistry
 - Human Anatomy and Physiology
 - Introduction to Astronomy
 - Natural Hazards
 - Sports Science



SCIENCE EDUCATION

410 REGENTS EARTH AND SPACE SCIENCES

NCAA approved course

Level 3

one year

1.0 credit

This course follows the New York State Science Learning Standards for Earth and Space Sciences. Emphasis in this course will be placed on an investigative approach. A major portion of the course is spent on laboratory activities. This class meets 7.5 periods per week. Students must complete 1200 minutes of laboratory investigations, including mandatory state lab investigations as guided by NYSED, to be eligible to take the Regents exam. All students enrolled in this course are required to take the Earth and Space Sciences Regents Examination.

496 PHYSICAL SCIENCE G

NCAA approved course

Level 3

one year

1.0 credit

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course follows the New York State Science Learning Standards, focusing on physical science – chemistry and physics. Emphasis in this course will be placed on an investigative approach. A major portion of the course is spent on laboratory activities. This class meets 5 periods per week.

412 REGENTS LIFE SCIENCE: BIOLOGY

NCAA approved course

Level 3

one year

1.0 credit

This course follows the New York State Science Learning Standards in Life Science: Biology. It involves the study of living things from the molecular level to communities and biomes. Special attention is also given to the areas of biochemistry, ecology, and reproduction and development. This class meets 7.5 periods each week. Students must complete 1200 minutes of laboratory investigations, including mandatory state lab investigations as guided by NYSED, to be eligible to take the Regents exam. All students enrolled in this course are required to take the Life Science: Biology Regents Examination.

423 HONORS LIFE SCIENCE: BIOLOGY

NCAA approved course

Level 2

one year

1.0 credit

Prerequisite: Enrollment in 8th grade Accelerated Earth and Space Sciences, a 90 test average each marking period, and a 90 or higher on the Earth and Space Sciences Regents Exam. Each marking period, students who are enrolled in Earth and Space Sciences must have a test average of 90 or higher in Earth Science and in Algebra I, miss no more than two assignments each marking period and score a 90 or higher on the Earth and Space Sciences Regents Exam.

This course offers an in-depth survey of college preparatory material for students who have demonstrated ability in science through a high performance in middle school science. The course is designed for those students who plan to pursue AP science courses. The course meets 7.5 periods per week. Students must complete 1200 minutes of laboratory investigations, including mandatory state lab investigations as guided by NYSED, to be eligible to take the Life Science: Biology Regents Examination. All students enrolled in this course are required to take the Life Science: Biology Regents Examination. **This course has a summer assignment.**

494 LIFE SCIENCE: BIOLOGY 1G

NCAA approved course (.5 credit)

Level 3

one year

1.0 credit

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course follows the New York State Science Learning Standards in Life Science: Biology. It involves the study of living things from the molecular level to communities and biomes. This is the first year of a two-year Life Science: Biology course. This course involves the study of science skills, living vs. non-living things, ecology, cells, and genetics. The class will meet 7.5 periods per week so that students may complete the 1200 minute laboratory requirement, including mandatory state lab investigations as guided by NYSED. Students will take the Life Science: Biology Regents Exam at the end of Life Science: Biology 2G.

SCIENCE EDUCATION**498 LIVING ENVIRONMENT 2G****NCAA approved course (.5 credit)****Level 3****one year****1.0 credit**

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course is the second of a two-year Living Environment course. This course involves the study of evolution, reproduction and development and human physiology. This class meets 5 periods per week. At the end of the year, students will take the Living Environment Regents exam.

450 GENERAL CHEMISTRY WITH LAB**NCAA approved course****Level 3****one year****1.0 credit**

This course is for students who require a third lab science but may not have the math skills necessary for the Regents level course. This course will be open to students that have passed the Algebra I, Earth Science and Living Environment classes with course and Regents grades 70 and above and Regents Geometry with a course and Regents grade of 75 and above. Students who scored above this level should register for Regents Chemistry. The course meets 7.5 periods per week and concludes with a comprehensive final exam.

416 REGENTS CHEMISTRY**NCAA approved course****Level 3****one year****1.0 credit**

Prerequisites: Successful completion of Regents Earth and Space Sciences, Regents Life Science: Biology and Algebra I courses and Regents exams with grades of 80 and above. Successful completion of Regents Geometry with course and Regents grades of 75 and above.

Recommended for students planning to attend a 4-year college. Chemistry deals with the composition of matter, the change it undergoes, and the factors which bring about and control these changes. Laboratory work to illustrate and support these concepts is carried out individually. The course is designed for those who hope to make a branch of science a career and may be taken by other students whose interests and abilities in science are high. The class meets 7.5 periods per week, and all enrolled in this program are required to take the Chemistry Regents Examination. Students must complete 1200 minutes of laboratory investigations, as guided by NYSED, to be eligible to take the Regents Examination in Physical Setting/Chemistry.

417 HONORS CHEMISTRY**NCAA approved course****Level 2****one year****1.0 credit**

Prerequisites: Completion of Honors Life Science: Biology, Earth and Space Sciences, and Algebra I with quarterly test averages, final grades and Regents exam grades of 90 or higher. Students must receive a recommendation from their Honors Life Science: Biology teacher as having demonstrated exceptional ability in science.

This course is designed for those students who plan to pursue AP Science courses. Emphasis will be placed on student's problem solving and reasoning in all topics covered. Students will take a departmental final and the Physical Setting/Chemistry Regents Examination. The class meets 7.5 periods per week. Students must complete 1200 minutes of laboratory investigations, as guided by NYSED, to be eligible to take the Physical Setting/Chemistry Regents Examination. **This course has a summer assignment.**

418 REGENTS PHYSICS**NCAA approved course****Level 3****one year****1.0 credit**

Prerequisite: Successful completion of Regents Earth and Space Sciences, Regents Life Science: Biology, Regents Chemistry, Algebra I and Geometry, and the recommendation of the chemistry teacher.

Recommended for students planning to attend a 4-year college. This course follows the New York State Science Learning Standards in Physics with major emphasis on the areas of mechanics and wave phenomena. It emphasizes the quantitative study of interrelationships between various aspects of matter and energy. Laboratory work to illustrate and support these concepts is carried out individually or in small groups. Students must complete 1200 minutes of laboratory investigations, as guided by NYSED, to be eligible to take the Regents exam. The class meets 7.5 periods per week. All students completing the course are required to take the Physical Setting/Physics Regents Examination. Successful completion of a physics course is suggested to enroll in any Advanced Placement science course.



424 HONORS PHYSICS

NCAA approved course

Level 2

one year

1.0 credit

Prerequisite: Successful completion of Honors Chemistry with a course and Regents grade of 85 or higher. **Successful completion of Algebra II with a course and Regents grade of 80 or higher.**

This enriched course is designed for motivated students. The course covers all of the topics embedded in Regents Physics and prepares the students for the Physical Setting/Physics Regents Exam. Course topics will be studied in greater depth and additional topics including rotational motion, pulleys, and complex circuits will be added. Students will be working on college-level problems, and will be performing inquiry-based laboratory experiments. Students must complete 1200 minutes of laboratory investigations, as guided by NYSED, to be eligible to take the Regents exam. Students will take a comprehensive final exam in addition to the Regents Exam and will be prepared to study AP Physics C during the subsequent school year. This course meets 7.5 periods per week. **This course has a summer assignment.**

473 ADVANCED PLACEMENT PHYSICS 1

NCAA approved course

Level 1

one year

1.0 credit

Prerequisite: Honors Chemistry, Algebra I and Geometry with minimum course and Regents exam grades of 85 or higher, or previous enrollment in Regents or Honors Physics. **Pre or Corequisite:** Algebra II.

AP Physics 1 is algebra-based covering roughly the first semester of a college-level algebra-based introductory physics course. The topics covered in the class include kinematics, Newtonian mechanics, momentum, energy, rotational motion, and fluids. It is designed to allow students to develop deep understandings of concepts and to apply their knowledge through inquiry-based investigations. Students will take the AP Physics 1 Exam in May. Students who have not yet taken the Physical Setting/Physics Exam will take it in June. This course meets 7.5 periods per week. **This course has a summer assignment.**

425 ADVANCED PLACEMENT PHYSICS C

NCAA approved course

Level 1

one year

1.0 credit

Prerequisite: AP Physics 1; **Corequisite:** AP Calculus BC.

This challenging course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence is parallel to mathematics courses that include AP Calculus BC. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of the AP Physics C course focuses on mechanics and electricity, as well as magnetism, with approximately equal emphasis on both of these. The AP Physics C course is the first part of a sequence which, in many colleges, is a very intensive one-year course. This course meets for 7.5 periods per week.

444 ADVANCED PLACEMENT BIOLOGY 9 (10 periods per week)

NCAA approved course

Level 1

one year

1.0 credit

Prerequisite: Completion of 8th Grade Accelerated Earth and Space Sciences with a course and Regents Exam grade of 95 or higher AND completion of 8th Grade Algebra I with a course and Regents Exam grade of 95 or higher. In addition to the Regents requirements, **ONLY** students who have a quarterly test average of 95 in 8th Grade Accelerated Earth and Space Sciences AND 8th Grade Algebra I will be recommended to take this course. We strongly encourage students to co-enroll in Science Research.

Students will be expected to sit for both the AP Exam in Biology and the Life Science: Biology Regents Exam at the end of the course. This college-level course requires students to read, outline and perform online assignments through a college text portal and apply the information that they learn. This is a rigorous, fast-paced, hands-on course. Students should take this course only if they have the maturity to work at this level as a ninth grader. Students will be expected to work independently on some assignments and be a productive member of a group. Students will also complete the mandatory Regents Life Science: Biology state lab investigations as guided by NYSED. This course will meet 10 periods per week. **This course has a summer assignment.**

420 ADVANCED PLACEMENT BIOLOGY

NCAA approved course

Level 1

one year

1.0 credit

Prerequisite: Completion of Accelerated or Regents Earth and Space Sciences, Honors or Regents Life Science: Biology and Honors or Regents Chemistry, with course and Regents grades of 90 or higher and suggested completion of/current enrollment in Physics.

This course is intended for the highly motivated, academically oriented student who plans to go on to college. The course is the equivalent of a first year college biology course, and the laboratory work and final examination will reflect this level of difficulty and demand on the student's time. It is strongly recommended that students take the Advanced Placement Examination in Biology. The course will cover many of the same topics examined in Regents Life Science: Biology, but the expected level of understanding is that of a college student. This course will meet 7.5 periods per week. **This course has a summer assignment.**

421 ADVANCED PLACEMENT CHEMISTRY

NCAA approved course

Level 1

one year

1.0 credit

Prerequisite: Completion of Regents Earth and Space Sciences, Honors Life Science: Biology and Honors Chemistry with course and Regents grades of 90 or higher and suggested completion of/current enrollment in Physics. Students need to have completed or be concurrently enrolled in Pre-Calculus.

This course is intended for the highly motivated, academically oriented student who plans to go to college. The course is the equivalent of a first year college course in Chemistry, and the laboratory work and final examination will reflect this level of difficulty and demand on the student's time. It is strongly recommended that students take the Advanced Placement Examination in Chemistry. The course will cover many of the same topics examined in Regents Chemistry but the level of understanding anticipated is that of a college student. This course will meet 7.5 periods per week. **This course has a summer assignment.**

419 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

NCAA approved course

Level 1

one year

1.0 credit

Prerequisite: Students should have completed Earth and Space Sciences, Life Science: Biology, and Chemistry, with a grade of 90 in each course and on each Regents exam. It is suggested for students to have completed or to be currently enrolled in Physics to take this course.

This course is the equivalent of a one-semester introductory college course in environmental science. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, understand and analyze environmental problems, identify risks associated with these problems, and examine solutions. This course meets 7.5 periods per week. **This course has a summer assignment.**

470 ECOLOGY OF MARINE AND FRESHWATER ECOSYSTEMS

NCAA approved course

Level 3

one-half year

.5 credit

Grades 11-12

Prerequisite: A grade of 75 in the Life Science: Biology course is recommended.

This 11th and 12th grade marine ecology course studies how aquatic organisms interact with their environment. Students will study different habitats and how energy flows through an ecosystem. Students will examine the internal and external anatomy of various marine organisms and study how their adaptations aid their survival. Students will study freshwater ecosystems such as lakes, rivers and ponds, and saltwater ecosystems such as open oceans, bays, coral reefs, deep sea, and estuaries. Students will look at human influences on aquatic ecosystems such as sewage, industrial wastes, global warming, water pollution, oil spills, and exotic species. Students are evaluated through projects, laboratory activities, weekly current event articles and tests. This class meets 5 periods per week for a half-year.



435 NATURAL HAZARDS

Level 3

one-half year

.5 credit

**NCAA approved course
Grades 11-12**

This 11th and 12th grade course offers an introduction to the geologic and atmospheric processes that shape our planet, and their impact on human life and property. Enrolled students must have completed two Regents science courses or Living Environment 2G. Topics include earthquakes, volcanoes, tsunamis, landslides, floods, hurricanes, tornadoes, blizzards, and meteorite/asteroid impacts. Students will examine where each type of hazard exists, how often these hazards are likely to occur and whether these hazards can be predicted or altered in some way to make them less threatening. The course meets 5 periods per week for a half-year.

434 FORENSIC CHEMISTRY

Level 3

one-half year

.5 credit

**NCAA approved course
Grades 11-12**

Prerequisite: Successful completion of Regents Earth and Space Sciences, Life Science: Biology, and Algebra I with course and Regents grades of 70 and above.

This science elective open to 11th and 12th grade students. Students will apply science to the law, as they develop processing skills. Content areas will include fingerprinting, serology, fiber and hair analysis, toxicology, ballistics, and general crime scene procedures. This is an activity-driven class. Therefore, students with excellent attendance records are encouraged to enroll. This class meets 5 periods per week for a half-year.

430 HUMAN ANATOMY AND PHYSIOLOGY

Level 3

one-half year

.5 credit

**NCAA approved course
Grades 11-12**

This elective is open to students in 11th and 12th grade who have successfully completed Regents Life Science: Biology with a course grade of 80 or higher. Each of the major body systems will be investigated. The study of each system will be divided into different areas: its anatomy - the names and location of the major organs, tissues, and specialized cells in each system; and physiology - the way in which the various parts of each system function and the integration of one system with another. Emphasis will be placed throughout the course on the body's mechanisms for the maintenance of homeostasis. Laboratory experiences will be aimed at becoming familiar with the various types of equipment and techniques involved in maintaining a healthy human being (i.e., blood pressure, cholesterol, and cardiovascular function). Students will be required to perform a minimum of three dissections. This class meets 5 periods per week for a half-year.

471 INTRODUCTION TO ASTRONOMY

Level 3

one-half year

.5 credit

**NCAA approved course
Grades 11-12**

Prerequisite: 11th and 12th grade students who have successfully completed the Earth and Space Sciences requirement.

This course will explore observational and deep space astronomy. It will include discussions about the Sun and stars, planets, moons, galaxies, the Big Bang Universe, and robotic and human spaceflight. Research projects will be conducted to analyze the likelihood of extraterrestrial life, and the evolution of our own solar system. This class meets 5 periods per week for a half-year.

436 SPORTS SCIENCE

Level 3

one-half year

.5 credit

**NCAA approved course
Grades 11-12**

Prerequisite: Open to 11th and 12th grade students who have successfully completed the Regents Earth and Space Sciences and Regents Life Science: Biology courses and Regents Exams.

This course will involve a study of bones, muscles and nerves, and how they enable our bodies to engage in athletic activities. Also included in this course are the science of injuries, nutrition, training, and the physics and chemistry of movement. This class meets 5 periods per week for a half-year.

SCIENCE EDUCATION**475 COLLEGE MEDICAL ANATOMY AND PHYSIOLOGY****NCAA approved course****Level 2****one year****1.0 credit****Grades 11-12**

Prerequisites: Completion of Regents Life Science: Biology Chemistry with a course and Regents grade of 85 or higher.

This is a rigorous college-level course designed primarily for those planning careers in medicine, nursing, medical technology, other health and allied health-related fields, and physical education. The course provides an orientation to the various branches of medicine and focuses upon normal and abnormal anatomy and physiology. It lays the foundation for understanding and using medical terminology and addresses advancements in the field of medical technology. Medical laboratory techniques and dissections will be performed in the laboratory. This course may be taken for either 4 or 8 college credits through the LIU High School Scholars Program, if students elect to pay the LIU tuition. This course can be taken concurrently with AP Biology. This class meets 5 periods per week for the full year.

437 ENVIRONMENTAL SCIENCE AND SUSTAINABILITY**NCAA approved course****Level 3****one-half year****.5 credit****Grades 11-12**

Prerequisite: Open to 11th and 12th grade students who have successfully completed Regents Earth and Space Sciences and Regents Life Science: Biology.

Environmental Science is the study of the Earth's natural systems and how these systems are interrelated. As Earth's population continues to grow, it is important to understand how the development of human resources impacts these systems. This course will concentrate mainly on environmental issues impacting Long Island. These include air, soil and water quality, waste management, land development, fossil fuel use, and exploring alternative energy sources. An essential component of this class will be understanding the importance of conservation and recycling. Potential career opportunities in environmental science related fields will also be studied. This class meets 5 periods per week for a half-year.

438 CLINICAL ORTHOPEDICS**NCAA approved course****Level 3****one-half year****.5 credit****Grades 11-12**

Prerequisite: 11th and 12th grade. Students should have earned a grade of 85% or better in Honors Life Science: Biology or 90 or better in Regents Life Science: Biology and have passed Regents/Honors Chemistry with an 85 or better.

Clinical Orthopedics may be taken concurrently with AP Biology. This course will explore the kinetics and kinematics of normal, purposeful human movement through the integration of concepts in the areas of human anatomy, physiology, and biomechanics as it applies to movement of the extremities and spine. Students will be introduced to orthopedic evaluation techniques and the use of therapeutic exercise and other modalities in the rehabilitation of orthopedic injuries. Career possibilities within related fields will be explored. This class meets 5 periods per week for a half-year.

427 EMERGENCY MEDICINE**Level 3****one-half year****0.5 credit****Grades 11-12**

Prerequisite: Successful completion of Life Science: Biology

Students in 11th and 12th grade may enroll in this course. The course will provide a foundation for multiple medical pathways after high school. It will provide students with fundamental knowledge of medical terminology, anatomical terminology, medical diagnosis, and medical treatments. Students will participate in hands-on skills labs where they will learn skills such as airway management, bleeding control, splinting, vehicle extrication, backboarding, EKG reading, phlebotomy, and medication administration. The course will certify the students with American Heart Association level Basic Life Support CPR & First Aid. This course will meet 5 periods per week for a half-year.



404 SCIENCE RESEARCH

Level 2

one year

1.0 credit

NCAA approved course

Grades 9-10

Prerequisite: This course is open to students in 9th and 10th grade. Preference will be given to students who have completed 8th Grade Accelerated Earth and Space Sciences and achieved mastery on the Earth and Space Sciences Regents exam.

This research course is for students who are interested in working on research projects in all science curriculum areas. Students will be trained in problem-solving, research skills, computer use, and library research. Emphasis will be placed on laboratory work. Students will develop expertise in experimental design and data interpretation and analysis through hands-on activities, culminating with an individual research project. Students will learn how to write research papers, make professional presentations, and properly use statistical methods to analyze data. All students will be provided with the potential for entering their research project into various competitions. This is a full-year course that meets 5 periods per week.

405 SCIENCE RESEARCH 2

Level 2

one year

1.0 credit

NCAA approved course

Grades 10-11

This course is designed for 10th and 11th grade students who have successfully completed the first Science Research course. It is designed to allow students to continue to develop their skills and to choose a research project that they will pursue until completion. Students will have the opportunity to compete in local competitions. This is a full-year course that meets 5 periods per week.

406F SCIENCE RESEARCH 3

Level 2

one year

1.0 credit

NCAA approved course

Grades 11-12

Prerequisite: Successful completion of Science Research 1 and 2.

Students who enroll in this course will continue their research project and prepare their application for competitions such as Siemens Competition in Math, Science and Technology, or the Regeneron Science Talent Search. This is a full-year course that meets 5 periods per week.

407F SCIENCE RESEARCH 4

Level 2

one year

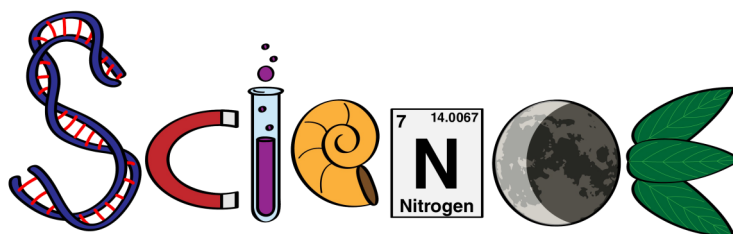
1.0 credit

NCAA approved course

Grade 12

Prerequisite: Successful completion of Science Research 1, 2 and 3.

Students who enroll in this course will continue their research project and prepare their application for competitions such as Siemens Competition in Math, Science and Technology, or the Regeneron Science Talent Search. This is a full year course that meets 5 periods per week.



Connetquot STEM Academy

The Connetquot Science, Technology, Engineering and Mathematics (STEM) Academy is an opportunity for students to increase their preparation for entering a STEM major in college and to gain STEM designation on their diploma. To be eligible for STEM designation, students must complete two courses from the list below in Science, Technology, and Mathematics, in addition to completing Regents Exams in Earth Science, Living Environment, Chemistry, Physics, Algebra I, Geometry, and Algebra II. If the selected course is an AP course, students are expected to sit for the AP exam.

In addition all students must participate in Science Research and create a Capstone project or participate in a job or internship experience in a STEM related field. All students will be required to complete either a research paper or a reaction paper. This challenging course of study is recommended for students who intend to study science, engineering, mathematics, computer science or a pre-professional program in college.

Students interested in the STEM Academy should discuss their course choices with the Directors of Math and Science. Students who enroll in the STEM Academy will benefit from a challenging selection of courses and related experiences which will integrate all of the disciplines that comprise STEM. The goal of this program is to prepare students to enter competitive college programs and the global workforce.

Required Coursework	Suggested Year
Science	Should be taken all four years. At least two credits from AP Biology, AP Chemistry, AP Environmental Science, AP Physics I, AP Physics C, College Medical Anatomy & Physiology
Mathematics	Should be taken all four years. At least two credits from these courses: AP Calculus AB, AP Calculus BC, AP Statistics, AP Computer Science, Pre-Calculus Honors
Technology	At least two credits from these courses: Drawing and Design for Production, Architectural Drawing, 3D Design and Printing, Robotics, Robotics II, Principles of Engineering
Science Research	All four years.
Capstone Project	Senior Year—Either a Scientific Research Paper or a Reaction Paper based on an internship experience.



SOCIAL STUDIES DEPARTMENT COURSE SEQUENCE

9th Grade

- Global History and Geography I Regents
- Global History and Geography I Honors
- Pre-AP Advanced World History



10th Grade

- Global History and Geography I Regents
- Global History and Geography I Honors
- Advanced Placement World History



11th Grade

- United States History and Government 11 Regents
- Advanced Placement United States History and Government



12th Grade

- Advanced Placement Macroeconomics
- Advanced Placement Micro/Macroeconomics
- Advanced Placement United States Government and Politics
- Participation in Government ½ year
- Economics ½ year

The Social Studies Program at Connetquot High School has a responsibility to educate and prepare students who will be able to understand, cope with and help direct societal changes in a manner consistent with the system of values derived from our American heritage. Ours is a unique discipline concerned with the processes of thinking, decision making, value analysis and inquiry skills. The Social Studies program consists of a four year continuum.

202 GLOBAL HISTORY AND GEOGRAPHY I REGENTS 9 **NCAA approved course**

Level 3 **one year** **1.0 credit**

Prerequisite: Final passing grade in Social Studies 8.

This course is designed to meet state standards and prepare students for the Global Studies Regents Examination at the end of 10th grade. This full year course is the first part of a two-year course in Global History. It is designed to focus on the five Social Studies standards, common themes that reoccur across time and place and eight historical eras. The units included in this part of the course include: Introduction to Global History, Ancient World: Civilizations and Religion (4000 BC-500 AD), Expanding Zones of Exchange and Encounter (500-1200), Global Interactions, (1200-1650) and The First Global Age (1450-1750).

233 PRE ADVANCED PLACEMENT WORLD HISTORY 9 **NCAA approved course**

Level 1 **one year** **1.0 credit**

Prerequisite: 93% in Grade 8 Honors and a teacher's recommendation.

This is the first year of a two-year college level World History course designed to facilitate a greater understanding of global interaction. The curriculum highlights the nature of change, its causes and consequences. Students will be using a college level text and are expected to read supplementary primary and secondary source materials during the school year and during the summer. They are required to take the a midterm in January and the final in their freshman year, *This course carries a Level 1 weighting, but if a student does not take AP World History 10 the level weighting will revert back to Level 2. **This course has a summer assignment.**

201 GLOBAL HISTORY AND GEOGRAPHY I HONORS 9 **NCAA approved course**

Level 2 **one year** **1.0 credit**

Prerequisite: A final grade of 90% or above in Social Studies 8 Honors or 95% or above in Social Studies 8; teacher's recommendation.

This course is designed for the exceptionally motivated, academically oriented honor student. This full year course is the first part of a two year study on Global History wit a focus on the time period of (4000 BC through 1750). Students will learn about the Ancient World their Civilizations and Religions; Expanding Zones of Exchange and Encounter , Global Interactions and The First Global Age.

296 GLOBAL HISTORY AND GEOGRAPHY IG 9 **NCAA approved course**

Level 3 **one year** **1.0 credit**

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This full year course is the first part of a two-year course in Global History. It is designed to focus on the five Social Studies standards, common themes that reoccur across time and place and eight historical eras. The units included in this part of the course include: Introduction to Global History, Ancient World: Civilizations and Religion (4000 BC-500 AD), Expanding Zones of Exchange and Encounter (500-1200), Global Interactions, (1200-1650) and The First Global Age (1450-1750).



202L GLOBAL HISTORY AND GEOGRAPHY I LAB 9

Level 3 **one year (alternate days)** **.5 credit**

Prerequisite: Entrance criteria for the class includes class grades of 74 or below, and teacher recommendation.

This course fulfills a state mandate for Academic Intervention Services, and provides students who are at risk of failing the Regents Exam the academic support they require. Classes are deliberately kept small so that specific skills in need of remedial attention can be identified, targeted and improved.

207 GLOBAL HISTORY AND GEOGRAPHY II REGENTS 10

NCAA approved course

Level 3 **one year** **1.0 credit**

Prerequisite: A final passing average in Global Studies 9.

This course is designed for the average and above average student who will take the Global Studies Regents at the end of 10th grade. This full year course is the second part of the two year Global History course. The units included in this part of the course include: An Age of Revolutions (1750-1914), A Half Century of Crisis and Achievement (1900-1945), The 20th Century Since 1945, Global Connections and Interactions and Regents Review Unit. Students take the Global History and Geography Regents Exam at the completion of this course.

205 ADVANCED PLACEMENT WORLD HISTORY 10

NCAA approved course

Level 1 **one year** **1.0 credit**

Prerequisite: Only students who complete Advanced World History in Grade 9 are eligible to take this course.

The purpose of the AP World History course is to develop greater understanding of the evolution of the global interaction among different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The second part of this course highlights the nature of change within international frameworks. Focused primarily on the last five hundred years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 C.E. Students are encouraged to take the AP examination in May. Students must take the mid-term in January and the Global History Regents examination in June. **This course has a summer assignment.**

209 GLOBAL HISTORY AND GEOGRAPHY II HONORS 10

NCAA approved course

Level 2 **one year** **1.0 credit**

Prerequisite: A final average of 85% or above in Advanced World (Part 1), 90% or above in previous 9 Honors Level Global History course, or 95% or above in a 9 Regents level Global History course and the recommendation of the 9th grade Social Studies teacher.

This course is designed for the Social Studies student who has demonstrated excellence in all previous course work. This course follows the Global History and Geography 10 curriculum at a level of detail that will afford students the opportunity to mature academically in a more challenging environment. Great emphasis is placed on individual student reading and expository essay writing, including the analysis and interpretation of source documents. Students must take the Global History and Geography Regents Examination at the end of 10th grade, and the Global History 10 Honors midterm administered in January.

SOCIAL STUDIES EDUCATION

297 GLOBAL HISTORY AND GEOGRAPHY IIG 10

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: A final passing average in Global Studies 9.

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This full year course is the second part of the two year Global History course. The units included in this part of the course include: An Age of Revolutions (1750-1914), A Half Century of Crisis and Achievement (1900-1945), The 20th Century Since 1945, Global Connections and Interactions and Regents Review Unit. Students will take the Global History and Geography Regents Exam at the completion of this course.

207L GLOBAL HISTORY AND GEOGRAPHY II LAB 10

LEVEL 3 one year .5 credit

Prerequisite: Entrance criteria for this class includes a 9th Grade class average of 74 or below, teacher recommendation, and/or failure to meet exit criteria in a 9th Grade Lab.

This course fulfills a state mandate for Academic Intervention Services, and provides students who are at risk of failing the Regents Exam the academic support they require. Classes are deliberately kept small so that specific skills in need of remedial assistance can be identified, targeted and improved.

211 UNITED STATES HISTORY AND GOVERNMENT REGENTS 11

NCAA approved course

Level 3 one year 1.0 credit

This is a full year course that emphasizes the history of the United States. A thematic and chronological approach is followed concerning such topics as: Constitutional Development 1607-1865, Industrialization, War, Prosperity and Depression in the 20th Century, America and the Global Community and Contemporary America 1950-Present. Students will take the U.S. History and Government midterm in January. This course is designed to meet state standards and prepare students to take the United States History and Government Regents at the conclusion of the course.

210 ADVANCED PLACEMENT UNITED STATES HISTORY

NCAA approved course

Level 1 one year 1.0 credit

Prerequisites are a final average of 85% or above in the previous Advanced Placement level Social Studies course, 90% or above in a previous Honors level Social Studies course or 95% or above in a Global History 10 Regents course and the recommendation of the 10th grade Social Studies teacher.

In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from the 1500's to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. Juniors in this course must take the United States History and Government Regents Examination and the departmental midterm in January. All students are encouraged to take the AP examination in May. **This course has a summer project that will be evaluated during the first week of school.**



298 UNITED STATES HISTORY AND GOVERNMENT 11G

NCAA approved course

Level 3 one year 1.0 credit

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This is a full year course that emphasizes the history of the United States. A thematic and chronological approach is followed concerning such topics as: Constitutional Development 1607-1865, Industrialization, War, Prosperity and Depression in the 20th Century, America and the Global Community and Contemporary America 1950-Present. This course is designed to meet state standards and prepare students to take the United States History and Government Regents at the conclusion of the course.

211L UNITED STATES HISTORY AND GOVERNMENT LAB 11

Level 3 one year (alternate days) .5 credit

Prerequisite: Entrance criteria for this class is a 10th grade class average of 74 or below; teacher recommendation; and/or failure to meet exit criteria in a 10th grade lab.

This course fulfills a state mandate for Academic Intervention Services, and provides students who are at risk of failing the US History and Government Regents the academic support they require. Classes are deliberately kept small so that specific skills in need of remedial assistance can be identified, targeted and improved.

214 ADVANCED PLACEMENT MACROECONOMICS

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: This course is open to students who have a final average of 85% or above in the United States History Advanced Placement course or a 95% or above in a Regents level United States History and Government course and the recommendation of the 11th grade Social Studies teacher.

This course is designed for the college bound, academically-oriented student. The course focuses on economic measurements, performance, monetary and fiscal policies, international economics and economic growth. Students enrolled in this course are expected to take the Advanced Placement Macroeconomics exam in May. This course fulfills the requirement for 12th grade Social Studies and the NYSED Participation in Government requirement.

212 ADVANCED PLACEMENT MICRO/MACROECONOMICS

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: A final grade of 95% or above on the United States History and Government Regents; and recommendation of the eleventh grade Social Studies teacher.

This course is designed for the highly motivated, academically-oriented college bound students. It will give students a deep understanding of the principles of both macroeconomics and microeconomics. Topics include everything offered in Macroeconomics plus Microeconomic topics including the nature and functions of product markets, theory of the firm, factor markets, and the role of the government. Students enrolled in this course are expected to take both the Advanced Placement Macroeconomics examination and the Advanced Placement Microeconomics examination in May. This course fulfills the NYSED Participation in Government requirement.

SOCIAL STUDIES EDUCATION

215 ECONOMICS 12 REGENTS

NCAA approved course

Level 3 one-half year .5 credit

This course is part of the 12th grade Social Studies requirement. Students will analyze the role that individuals, groups and institutions play in national and global economics.

299 ECONOMICS 12G

NCAA approved course

Level 3 one-half year .5 credit

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course is part of the 12th grade Social Studies requirement. Students will analyze the role that individuals, groups and institutions play in national and global economics.

234 ADVANCED PLACEMENT GOVERNMENT AND POLITICS

NCAA approved course

Level 1 one year 1.0 credit

Prerequisite: This course is open to students who have a final average of 85% or above in the United States History Advanced Placement course or a 95% or above in a Regents level United States History and Government course and the recommendation of the 11th grade teacher.

This class is a college-level course that provides students with the political knowledge and reasoning processes to participate meaningfully and thoughtfully in discussions and debates that are shaping American politics and society. The course revolves around nine foundational documents and fifteen required Supreme Court cases selected by the College Board. The course will prepare students for the AP Exam and all students are expected to take the exam in May. This course fulfills the NYSED Economics requirement.

235 PARTICIPATION IN GOVERNMENT 12 REGENTS

NCAA approved course

Level 3 one-half year .5 credit

This course is part of the 12th grade Social Studies requirement. This course focuses on basic civic values such as justice, honesty, self-discipline, due process, equality, majority rule with respect for minority rights, and respect for self, others and property.

295 PARTICIPATION IN GOVERNMENT 12G

NCAA approved course

Level 3 one-half year .5 credit

This course is adapted to provide for student needs and accommodations as specified in an Individual Education Plan (IEP). This course is part of the 12th grade Social Studies requirement. This course focuses on basic civic values such as justice, honesty, self-discipline, due process, equality, majority rule with respect for minority rights, and respect for self, others and property.





SOCIAL STUDIES EDUCATION: ELECTIVE PROGRAM

220 ADVANCED PLACEMENT PSYCHOLOGY

NCAA approved course

Level 1

one year

1.0 credit

Grades 11-12

Prerequisite: Open to students in 11th and 12th grades with a final average of 90% or better in the previous Honors level history class.

The purpose of the Advanced Placement course in Psychology is to expose students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Students in this course are encouraged to take the Advanced Placement Examination in May.

208 ADVANCED PLACEMENT CAPSTONE RESEARCH

NCAA approved course

Level 1

one year

1.0 credit

Grades 11-12

Prerequisite: This course is open to students who have successfully completed the AP Capstone Seminar class and the recommendation of the AP Seminar teacher.

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. **This course has a summer assignment.**

206 ADVANCED PLACEMENT EUROPEAN HISTORY/WESTERN CIVILIZATION I AND II

NCAA approved course

Level 1

one year

1.0 credit

A survey of the political, economic, social and intellectual developments that shaped Europe's relationship to the rest of the world. Covers the ancient period through the 21st century. Explores the rise of European dominance in a global context and the growth of "the West" as a concept. Examines developments including industrialization, nationalism, socialism, liberalism, imperialism and colonization, decolonization, revolutions, world wars and globalization. Students in 10th, 11th, and 12th grades can earn 6 college credits through LIU Post, or may take the AP Exam in European History.

219 PSYCHOLOGY I

NCAA approved course

Level 3

one-half year

.5 credit

Grades 11-12

Prerequisite: Successful completion of 10th grade Social Studies and the recommendation of previous Social Studies teacher.

The program introduces the student to the field of psychology. Special emphasis is placed on the historical rise of psychology, the various approaches to personality theory and the application of scientific principles of human behavior.

231 PSYCHOLOGY II

NCAA approved course

Level 3

one-half year

.5 credit

Grades: 11-12

Prerequisite: Psychology

This course is designed to present basic psychological concepts and to introduce students to the scientific study of behavior. This class will concentrate on the study of behavior and mental processes with emphasis on the scientific nature of contemporary psychological investigation. Topics include developmental psychology, emotion and motivation, stress, lifestyle and health, personality, social psychology, psychological disorders, therapies and treatments. **Students in 10th, 11th, and 12th grades can earn 3 college credits from LIU Post.**

SOCIAL STUDIES EDUCATION

223 SOCIOLOGY

NCAA approved course
Grades 11-12

Level 3 one-half year .5 credit

Students will scientifically investigate the major patterns of human behavior. Emphasis will be given to the genetic and environmental forces that tend to influence the actions of man. Specific personality traits will be drawn to encourage students to seek the social factors that can be related to social structures designed by man.

224 SOCIAL MEDIA AND SOCIETY

Grades 10-12

Level 3 one-half year .5 credit

Be it maintaining an updated Instagram feed, avoiding the pitfalls of an inadvertent tweet or upholding one's integrity in an era of instant access and ubiquitous camera lenses, teenagers are discovering themselves in a time where mistakes are constantly recorded, progress is instantly judged and little escapes scrutiny. In examining the use of these growing technologies on both a societal and personal level, Social Media and Society will better prepare students to be responsible consumers and participants in this modern landscape. With a look at both long-term trends and current events, students will consider the causes, effects and potential solutions to the challenges of a life lived online. Our ultimate goal-Healthy, well-rounded, technologically savvy young adults.

271 CRIMINAL LAW

NCAA approved course
Grades 11-12

Level 3 one-half year .5 credit

Prerequisite: Successful completion of 10th grade Social Studies.

Don't do the crime if you can't do the time. This course introduces students to the United States Criminal Justice System. Students will study early codes of law and their influence on the American legal system, the Bill of Rights, important Supreme Court decisions, Due Process, police powers, the importance of individual rights and responsibilities, and the Criminal Justice process from the initial crime scene investigation through punishment. Students will develop the analytical skills necessary to understand and evaluate criminal cases of law. Students will have several opportunities to learn about the criminal justice system from guest speakers and/or field trips.

272 CIVIL RIGHTS: LAW AND JUSTICE

NCAA approved course
Grades 11-12

Level 3 one-half year .5 credit

Prerequisite: Successful completion of Global History and Geography 9 and 10. Criminal Law teaches you what you can't do! Civil Rights teaches you what you can do! *Do you know your rights?* The Constitution was written to limit governmental intrusion on citizens' liberties, while encouraging republican responsibility. This course will survey the Constitutional protections of all citizens and serve as a sounding board for their concerns. Topics to be addressed and explored include: support for civil rights in the courts; USA Patriot Act; individual rights to privacy; and the details and wisdom of various federal civil rights laws that prohibit discrimination on the basis of race, gender, disabilities, age, and religion. By the end of the semester, students will have a stronger and clearer understanding of government's impact on their lives. Students will have several opportunities to learn about their civil rights from guest speakers and/or field trips.



241 URBAN STUDIES & SOCIOLOGY

NCAA approved course

Level 2

one-half year

.5 credit

Grades 10-12

American sociology developed by studying the city and the social issues of urban life, including racial, ethnic and class conflict, economic and social inequality, poverty and relief programs, education and community control, housing segregation and gentrification, crime and social control, suburbanization and white flight, public sector unionization and class conflict, and the power of urban elites over city budgets and policies. With emphasis on project-based learning and activities and hands-on trips to New York City, this course studies the ongoing social dynamics of cities and their metropolitan suburban areas. **Students in 11th, and 12th grades can earn 3 college credits through LIU Post.**

221 ETHICS AND PHILOSOPHY

NCAA approved course

Level 2

one-half year

.5 credit

Grades 11-12

Open to 11th and 12th grade students only. What is the difference between right and wrong? Individuals, thinkers, and political leaders have debated the answer for thousands of years. In the Ethics and Philosophy course, a student will research and study the world-view of many philosophers including Kant, Mill, Rousseau, Locke, and Plato. Students will review/develop their own moral code, and then apply that thinking to present-day social and international issues. Students will use their own philosophical world-view to justify their position on topics including but not limited to: genocide, torture, the death penalty, cannibalism, and assisted suicide. Although the class may not develop a definitive answer to the question of right and wrong, students will leave the class with enhanced writing, debating, and critical thinking skills. **Qualified students in 11th and 12th grade can earn 3 college credits from LIU/C.W. Post.**

244 INTRODUCTION TO ANTHROPOLOGY

NCAA approved course

Level 2

one-half year

.5 credit

Grades 9-12

This course is a college-level social studies elective offered in conjunction with SUNY Farmingdale University in the High School program. Anthropology is the social science that studies humankind. We will survey and try to explain some of the variety found in the human condition around the world. This course offers an introduction to its four major sub-fields: Physical or Biological anthropology (human evolution, the fossil record, and ethology); Archaeology (extinct cultures, classical civilizations, and pre-history); Linguistics (language origins, development, diffusion, structure, and change); Sociocultural Anthropology (pioneers in the field, cross-cultural research, case studies, and the future). **Qualified students in 11th and 12th grade can earn 3 college credit from Farmingdale State College.**

228 POSITIVE PSYCHOLOGY I

NCAA approved course

Level 3

one-half year

.5 credit

Grades 11-12

This project-based course will increase student's emotional knowledge and social learning and build more productive habits to increase personal growth. Using scientifically based research, students will identify personal strengths, learn the features of the human brain, and how emotions impact thinking patterns. Students will be able to use what they learned to reduce stress and incorporate wellness activity into their lives. **Qualified students in 11th and 12th grade can earn 3 college credits from LIU/C.W. Post.**

236 POSITIVE PSYCHOLOGY II

NCAA approved course

Level 3

one-half year

.5 credit

Grades 11-12

Prerequisite: Intro to Positive Psychology

This course will focus on application of the tools and information the students receive in the first course, Positive Psychology I. It will include a certification process for becoming certified mindful leaders to be used for possible employment. The course would focus on the four main components of Positive Psychology, happiness, wellbeing, resilience, flow, and mindfulness. In addition to a career ready program the class can also be introduced to our younger students district wide. The course will encourage our younger students to develop emotional awareness and social learning skills, and build more productive habits to increase their personal growth through the leadership and example of our high school students.

SOCIAL STUDIES EDUCATION

229 MARITIME CULTURE AND HISTORY

Level 2 one-half year .5 credit

NCAA approved course
Grades 9-12

This project-based course examines the impact the sea has had on our region, with a focus on culture and history. Topics to be explored in class include navigational and boat-building technology, maritime folklore, the socioeconomic impact of fishing, naval and Coast Guard history, nautical archaeology, and diversity in regional maritime culture and history. **Students in 10th, 11th and 12th grade can earn 3 college credits from Stony Brook University.**

230 LONG ISLAND HISTORY

Level 3 one-half year .5 credit

NCAA approved course
Grades 9-12

A study of Long Island history from its geological origins to the present day. The major events, personalities and factors shaping development of Long Island. Long Island will be analyzed both as a distinct region and as a case study in the broader history of America. Of primary importance will be an examination of the ethnic, cultural, political, social, and religious diversity that developed over time and gave to the Island its identity.

273 MILITARY HISTORY: STUDIES IN WORLD CONFLICT

Level 3 one-half year .5 credit

Grades 10-12

This course is an overview of significant military trends and developments in world history from ancient through modern times. Weapons and technology, strategy and tactics, decisive battles, and significant leaders may be studied. Other topics include the theoretical principles of warfare as well as the development of military ethics. Students will embark on field trips to the Culper Spy Ring Tour, Museum of American Armor, American Airpower Museum and the Michael Murphy Navy Seal Museum.





The courses offered by the Technology Education Department prepare students to work in, contribute to, profit from, and enjoy our increasingly technological society. Students will be provided with opportunities to develop basic competencies in the areas of production, manufacturing, construction, transportation, electronics, and design, with an emphasis on computers. Students who are presently looking to prepare for a specific career are strongly encouraged to choose a comprehensive plan of study which will provide opportunities to develop the necessary skills to prepare for meaningful employment and create opportunities for advancement. Developing skills through a comprehensive selection of courses is the best way to progress up the career ladder. "What you are able to do" will determine your employment possibilities! The pursuit of meaningful sequences will provide students with the opportunity to achieve better and better positions during the course of their work career. If you are interested in an engineering, STEM, and/or technology career, it is important to take advantage of the many valuable courses that are described in this section.

TECHNOLOGY EDUCATION PROGRAMS

Strands are offered in five separate areas. Students may take these courses as electives or pursue a 3- or 5-unit strand in technology. These strands are designed to meet the needs of students who will enter one of the strands as a career or continue their education at a two-year college or technical trade school. The Pre-Engineering strand will stress the hands-on learning-by-doing approach. Sample programs are shown on subsequent pages.

Completing a five unit strand in Technology Education will allow a student to be exempt from their three-unit World Languages requirement for the Advanced Regents Diploma; however, all students must earn one credit in World Languages.

Technology Education Department Strands

<p>Communication</p>	<ul style="list-style-type: none"> • Computer Aided Design (CAD) • Architectural Drawing • Design and Drawing for Production • Advanced Computer Aided Design
<p>Electronics</p>	<ul style="list-style-type: none"> • Computer Aided Design (CAD) • Electricity/Electronics • Digital Electronics • Design and Drawing for Production
<p>Pre-Engineering</p>	<ul style="list-style-type: none"> • Computer Aided Design (CAD) • Design and Drawing for Production • Digital Electronics • Architectural Drawing • Technical Drawing • Principles of Engineering • Robotics • Robotics II
<p>Transportation</p>	<ul style="list-style-type: none"> • Computer Aided Design (CAD) • Power Mechanics • Power Mechanics II • Automotive • Electricity/Electronics • Digital Electronics • Design and Drawing for Production • Technical Drawing • Advanced Automotive
<p>Materials</p>	<ul style="list-style-type: none"> • Computer Aided Design (CAD) • Design and Drawing for Production • Woodworking • Residential Structures • Technical Drawing • 3D Printing, Design and Production



1225 POWER MECHANICS

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Students will be introduced to Transportation Systems, including land, marine, and aerospace modes. Course objectives include the following: students will evaluate the condition of a used vehicle, read symbols on maps and waterway charts, identify propulsion systems, prepare an order from a parts list, apply safety procedures, laws and regulations, interpret flight instruments, obtain career information, maintain a small gas engine, calculate fuel consumption, and determine horsepower.

1222 POWER MECHANICS II

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Prerequisite: Power Mechanics I.

This half-year course is designed for the students who previously completed Power Mechanics I and wish to further their education in the field of mechanics. Through a hands-on learning process, students will explore the complex designs of overhead camshafts and multi-piston engines. Each student will take part in the breakdown and reassembly of several small engines. Students will gain valuable as well as practical knowledge that could then be carried over into the automotive and technical fields.

1226 AUTOMOTIVE

Level 3 **one-half year** **.5 credit** **Grades 11-12**

This course is designed for 11th and 12th grade students who wish to know how to maintain their car properly. An automobile is a large investment. In order to get the most from your car and insure its reliability, everyone should understand how to best care for their car. Basic, everyday maintenance and upkeep of a car's interior and exterior will be stressed. Some of the areas touched upon will be how to buy and sell a used car, the pitfalls of buying a used car, and what New York State requires for insurance and liability. Winterizing, cooling, ignition and break systems, lubrication of the engine and other parts, fixing a flat tire, as well as, washing, waxing and compounding cars will also be covered.

1230 ADVANCED AUTOMOTIVE

Level 3 **one-half year** **.5 credit** **Grades 11-12**

Prerequisites: Successful completion of 1226 AUTOMOTIVE and teacher recommendation.

This half-year course, designed for 11th and 12th grade students, will go beyond the basic systems learned in Automotive. The course focuses on more complex subjects. Topics include computer diagnostics, high performance engine building, and alternative fuels. Students can expect a 50/50 split between hands-on experience and classroom theory. The course is designed for the student who has an interest in automotive mechanics and/or may be considering a career in the automotive industry. This course may be used as part of the three-year science requirement. It can also be used for credit at Suffolk County Community College through the Beacon program.

1201 WOODWORKING

Level 3 **one-half year** **.5 credit** **Grades 9-12**

This course provides instruction in the construction aspects of production. Students will have "hands-on" experiences to demonstrate their knowledge and skills by completing projects using wood. Construction sites will be examined. Construction projects will be incorporated into the curriculum.

1211 RESIDENTIAL STRUCTURES

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Prerequisite: Woodworking

In this course, students will have the opportunity to use the skills they developed in Woodworking on a larger scale. Students will design and construct a storage shed. Framing, siding, and installing windows and doors will be taught, giving students exposure to the skills needed to work in the construction field. Students should be prepared to work outdoors most days.

TECHNOLOGY EDUCATION

1207 ELECTRICITY/ELECTRONICS

Level 3 **one-half year** **.5 credit** **Grades 9-12**

This course deals with the fundamentals of electricity/electronics. Some of the topics investigated during the year will include electric motors, meters, residential wiring, schematic drawings, soldering techniques, and Ohm's Law. Students are required to complete various projects throughout the year. A good background in basic math skills is essential. This course may be used as part of the three year science requirement.

1208 DIGITAL ELECTRONICS

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Prerequisite: Electricity/Electronics; successful completion of Algebra I.

This course is a study of binary logic, decision-making logic gates and combination logic circuits, digital signals, number systems, gate symbols, and truth tables, all necessary for the complete understanding of digital circuits and systems found in the home and commercial electronic equipment and computer systems. Logic systems, sequential logic circuits, and logic systems applications are included. The students will complete digital kits and a telephone kit by soldering in all necessary components. This course may be used as part of the three year science requirement.

1209 TECHNICAL DRAWING

Level 3 **one-half year** **.5 credit** **Grades 9-12**

The student will be introduced to the basic elements and processes of technical drawing that are common to many industries, trades and occupations. Students will record ideas and objects in the form of sketches, estimate proportions, develop line values, complete object and line exercises using the tools, equipment and materials of the draftsman. They will also describe the Alphabet of Lines, construct horizontal, vertical, inclined, perpendicular and parallel lines using T squares and triangles, produce lettering that is compatible with ANSI standards, space numbers, fractions, letters, words and lines for uniformity of appearance. Students will explain standard dimensioning practices, investigate career opportunities in the field of technical drawing, solve geometric construction problems, identify various types of sections and prepare an isometric drawing and an auxiliary view.

1210 ARCHITECTURAL DRAWING

Level 3 **one-half year** **.5 credit** **Grades 9-12**

Prerequisite: Technical Drawing or Design and Drawing for Production.

This course deals with the history and development of architectural design, construction techniques and materials, and building codes. Emphasis is placed on residential construction with room planning, traffic patterns, floor plans and elevation drawings.

1224 PRINCIPLES OF ENGINEERING

Level 3 **one year** **1.0 credit** **NCAA approved course**

Grades 11-12
Prerequisite: This course is open to students in 11th and 12th grade; two years of Regents Science and Algebra; desirable co- or prerequisites: Physics and Technical Drawing or Design and Drawing for Production and teacher recommendation.

This is a Capstone course for academically able students will bring math, science and technology together. In this course students will be solving problems, just as engineers do, by being a member of a team and using common engineering concepts. Incorporating problem solving activities, the students will learn the concepts of modeling, systems, optimization, technology, societal interaction and design, and ethics. The problems worked on in class will focus upon robotics, structures, automobile safety, energy and ergonomics. This course may be used as part of the three-year science requirement. This course is highly recommended for students pursuing a STEM career.



1213 DESIGN AND DRAWING FOR PRODUCTION

Level 3 **one year** **1.0 credit** **Grades 9-12**

This course is an introduction to a universal graphic language through which students can express their ideas with creativity, clarity, and exactness. This class teaches technical drawing through design problem solving and stresses that design is the creative element and technical drawing is the expression of design. Students are encouraged to solve visual problems using a common technical drawing language to describe forms in the man-made environment. This course fulfills the one unit of the Art or Music credit requirement for any student towards a Regents or Local diploma.

1214 COMPUTER AIDED DESIGN (CAD)

Level 3 **one-half year** **.5 credit** **Grades 10-12**

Prerequisite: Technical Drawing or Design and Drawing for Production.

This course is an introduction to the many advantages of applying computer technology to the design and drafting areas of industry. The skills mastered in this course are highly marketable in the engineering, fabrication, fashion, landscape design, and manufacturing industries here on Long Island.

1220 ADVANCED COMPUTER AIDED DRAWING

Level 3 **one-half year** **.5 credit** **Grades 10-12**

Prerequisite: Computer Aided Design (CAD).

A course in the production of computer produced, three-dimensional models and animation, and the production of scale models and robotics.

1217 ROBOTICS

Level 3 **one-half year** **.5 credit** **NCAA approved course**
Grades 9-12

Prerequisite: This course is open to any student who is interested in Robotics.

Students are encouraged to join the Robotics Club and participate in the FIRST Robotics Competition. The course is designed to interest students in the field of robotics and motivate them to pursue an advanced education in science and engineering. This course prepares individuals to apply basic engineering principles and technical skills in developing and using industrial robotics. Robotics includes instruction in the principles of robotics, design and operational testing, system maintenance and repair procedures, robotics computer systems, control language, and safety.

1219 ROBOTICS II

Level 3 **one-half year** **.5 credit** **NCAA approved course**
Grades 10-12

Prerequisite: Robotics.

Students will explore the field of robotic design using a variety of hands-on activities. Tools to create robotic devices such as the machine lathe and machine mill will be introduced. Students will be creating simple drive trains and robotic mechanisms capable of movement through teleoperated interaction. Programming of the robot will be done through LabView Visual Programming Language. Students will then be taught to program the robot so that it can be autonomously navigated. Students will be eligible for credit through Farmingdale State College.

1227 3D PRINTING, DESIGN AND PRODUCTION

Level 3

one-half year

.5 credit

Grades 10-12

Do you want to make something using a 3D Printer? This course is for you. In this course students will learn how and when to use a 3D Printer. They will have the opportunity to use their creativity to design objects that they will then turn into 3D structures. Taking this course will enable students to increase their planning, critical thinking, reasoning, and creativity skills. Students will develop strong communication and collaboration skills as they work with their peers. This course can be taken by students in grades 10-12.





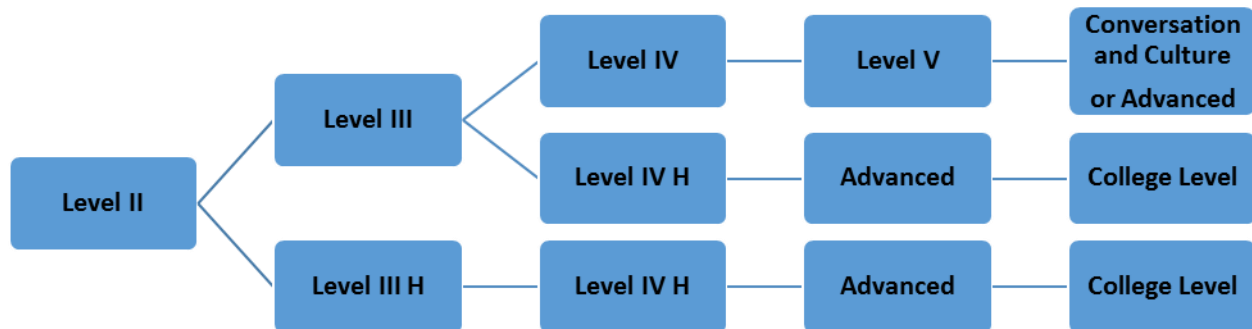
The world today is ever-changing and learning another language opens up new opportunities, giving students a critical skill necessary to succeed in the world today. Personal, professional, social, and economic considerations all point to the advantages of learning world languages. From venturing into overseas markets for work and business, to discovering and experiencing new cultures when traveling, learning a new language can increase success in school and career.

Why learn another language? Here are some reasons why...

- Learning about other cultures will help expand personal horizons and will allow students to become responsible citizens. The ability to talk to others and gain knowledge beyond the world of English can contribute to community and country.
- Research has shown that math and verbal SAT scores climb higher with each additional year of foreign language study, which means that the longer a second language is studied, the stronger one's academic skills will become to succeed in school.
- More and more businesses work closely with companies in other countries. They need many different kinds of workers who can communicate in different languages and understand other cultures. Three or more years of language study on an academic record will catch the eye of anyone reading a job application.

The **Department of World Languages** offers study in **French, Italian and Spanish**. Students progress from levels II through V, taking the FLACS Checkpoint B foreign language proficiency exam when they reach Level IV Honors or V. The FLACS-B exam is required for those students seeking an Advanced Regents diploma. They can then continue their study, completing their senior year with advanced level courses or courses that receive college credit. We offer college level courses through St. John's University College Advantage program (Spanish, French and Italian). Taking additional languages is highly encouraged and can begin at any time.

World Languages Department Course Sequence



WORLD LANGUAGES**FRENCH COURSES****540 FRENCH II****NCAA approved course****Level 3** **one year** **1.0 credit**

This is an introductory course in which emphasis is placed on listening and speaking skills. Pronunciation and the basic patterns and structures of the language are acquired, along with the culture and civilization of France and other French-speaking countries. Students are introduced to reading and writing in French.

541 FRENCH III**NCAA approved course****Level 3** **one year** **1.0 credit****Prerequisite: Successful completion of French II or the recommendation of the French teacher.**

This course is an extension of the French II program in which competencies in the areas of grammar, vocabulary and sentence structure are developed. Reading and writing skills in French are developed concurrently.

556 FRENCH III HONORS**NCAA approved course****Level 2** **one year** **1.0 credit**

Prerequisite: (1) Successful completion of French I and II with a 92% or above, with no quarter average below a 90; (2) 90 or above on FLACS A exam and (3) the recommendation of the French teacher. Students continue their development of conversational and reading/writing skills, and awareness of and appreciation for French culture. This course is a review and enhancement of all skills and concepts introduced and developed in French I and II.

543 FRENCH IV**NCAA approved course****Level 3** **one year** **1.0 credit****Prerequisite: Successful completion of French III or the recommendation of the French teacher.**

This course is designed for the French student who will benefit from a four-year Regents sequence. Through reinforcement and a variety of techniques, students will develop and expand skills in speaking, listening, reading and writing French.

554 FRENCH IV HONORS**NCAA approved course****Level 2** **one year** **1.0 credit****Prerequisite: Successful completion of French III Honors or the recommendation of the French teacher.**

This course is designed to address the vocabulary and grammar needed in order to increase fluency and expression in spoken and written forms. Students enrolled in this course will take the FLACS Checkpoint B exam as the final exam for this course.

557 FRENCH V**NCAA approved course****Level 3** **one year** **1.0 credit****Prerequisite: Successful completion of French IV or the recommendation of the French teacher.**

This course will follow up the skill development of French IV. Students in this course will take the FLACS Checkpoint B examination as their final exam.

504 ADVANCED FRENCH**NCAA approved course****Level 2** **one year** **1.0 credit****Prerequisite: Successful completion of French IV Honors.**

The four language skills (speaking, listening, reading and writing) are pursued at an advanced level. Introductory study of the French novel, drama and poetry is offered, with emphasis on twentieth-century authors. Classes are generally conducted in French.

505 COLLEGE FRENCH – ST. JOHN'S UNIVERSITY**NCAA approved course****Level 2** **one year** **1.0 credit****Prerequisite: Successful completion of Advanced French.**

The study of language, literature and culture begun in Advanced French is continued and expanded. Emphasis will be placed on listening comprehension, speaking, reading and writing skills. All classes are conducted in French. Three (3) to six (6) college credits may be earned through St. John's University for Seniors and Juniors taking this course.



ITALIAN COURSES

549 ITALIAN 1XL

Level 2 **one-half year** **.5 credit**

Prerequisite: Enrollment in a Spanish or French course and teacher recommendation.

This is a beginner course, offered to students grades 9-12 already enrolled in either a Spanish or French course. It is an accelerated course meeting on an A/B day schedule. This is an opportunity for students already enrolled in a World Language course to take a second World language at an accelerated pace. The course will focus on developing skills, aligned with the revised WL standards, communications and culture. This course will prepare students to exit the course proficient at the novice high-intermediate low performance level. Upon successful completion students will be prepared for the Italian IIIH course.

550 ITALIAN II **NCAA approved course**

Level 3 **one year** **1.0 credit**

This is an introductory course in which emphasis is placed on listening and speaking skills. Pronunciation and the basic patterns and structures of the language are acquired, along with the culture and civilization of Italy. Students are introduced to reading and writing in Italian.

551 ITALIAN III **NCAA approved course**

Level 3 **one year** **1.0 credit**

Prerequisite: Successful completion of Italian II or the recommendation of the Italian teacher.

This course is an extension of the Italian II program in which competencies in the areas of grammar, vocabulary and sentence structure are developed. Reading and writing skills in Italian are developed concurrently.

558 ITALIAN III HONORS **NCAA approved course**

Level 2 **one year** **1.0 credit**

Prerequisite: (1) Successful completion of Italian I and II with a 92% or above, with no quarter average below a 90; (2) 90 or above on FLACS A exam and (3) the recommendation of the Italian teacher. This course is a review and enhancement of all skills and concepts introduced and developed in Italian I and II. Students continue their development of conversational and reading/writing skills, and awareness of and appreciation for Italian culture.

553 ITALIAN IV **NCAA approved course**

Level 3 **one year** **1.0 credit**

Prerequisite: Successful completion of Italian III or the recommendation of the Italian teacher.

This course is designed for the Italian student who will benefit from a four-year Regents sequence. Through reinforcement and a variety of techniques, students will develop and expand skills in speaking, listening, reading and writing Italian.

555 ITALIAN IV HONORS **NCAA approved course**

Level 2 **one year** **1.0 credit**

Prerequisite: Successful completion of Italian III Honors or the recommendation of Italian teacher.

This course is designed to address the vocabulary and grammar needed in order to be successful on the FLACS Checkpoint B exam. Students enrolled in this course will take the FLACS Checkpoint B exam as the final exam for this course.

559 ITALIAN V **NCAA approved course**

Level 3 **one year** **1.0 credit**

Prerequisite: Successful completion of Italian IV or the recommendation of the Italian teacher.

This course will continue skill development in all modalities—listening, speaking, reading, and writing. Students in this course will take the FLACS Checkpoint B exam as the final exam of this course.

WORLD LANGUAGES

509 ADVANCED ITALIAN

NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: Successful completion of Italian IV Honors.

The four language skills (speaking, listening, reading and writing) are pursued at an advanced level. An introductory study of Italian literature is begun and culture and civilization studies are expanded. Classes are generally conducted in Italian.

511 ITALIAN CONVERSATION AND CULTURE

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: Successful completion of Italian IV Honors, V, and/or Advanced Italian.

Students will improve their listening and speaking skills in Italian through classroom discussion on topics related to Italian culture. The culture portion will cover art, music, literature, lifestyle, history and geography of Italy.

510 COLLEGE ITALIAN – ST. JOHN’S UNIVERSITY

NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: Successful completion of Advanced Italian.

The study of language, literature and culture begun in Advanced Italian is continued and expanded. Emphasis will be placed on listening comprehension, speaking, reading and writing skills. All classes are conducted in Italian. Three (3) to six (6) college credits may be earned through St. John’s University for Juniors and Seniors taking the course.

SPANISH COURSES

529 SPANISH I

Level 3 one year 1.0 credit

This is an introductory course in Spanish language and culture. Students will learn basic communication skills that are useful for daily life conversations (including greetings, telling the time, date and weather, expressing likes and dislikes, etc.). Students will develop basic proficiency in the four language skills—listening, speaking, reading and writing. Pronunciation and the basic patterns and structures of the language are acquired, along with the culture and civilization of Spain and other Spanish-speaking countries.

530 SPANISH II

NCAA approved course

Level 3 one year 1.0 credit

This is an introductory course which emphasizes listening and speaking skills. Pronunciation and the basic patterns and structures of the language are acquired, along with an understanding of the culture and civilization of Spain and other Spanish-speaking countries. Students are introduced to reading and writing in Spanish.

531 SPANISH III

NCAA approved course

Level 3 one year 1.0 credit

Prerequisite: Successful completion of Spanish II or the recommendation of the Spanish teacher.

This course is an extension of the Spanish II program in which competencies in the areas of grammar, vocabulary and sentence structure are developed. Reading and writing skills in Spanish are developed concurrently.

560 SPANISH III HONORS

NCAA approved course

Level 2 one year 1.0 credit

Prerequisite: (1) Successful completion of Spanish I and II with a 92% or above, with no quarter average below a 90; (2) 90 or above on FLACS A exam and (3) the recommendation of the Spanish teacher. This course is a review of all skills and concepts introduced in Spanish I and II. Students continue their development of conversational and reading/writing skills and awareness of and appreciation for Hispanic culture.

WORLD LANGUAGES

564 CULTURES OF LATIN AMERICA THROUGH FILM AND MUSIC I **NCAA approved course**

Level 2 **one-half year** **.5 credit**

Note: This course will be taught in English. Some knowledge of Spanish is helpful but not necessary.

This interdisciplinary course seeks to review and analyze the complexity and richness of Latin American culture and history using films as a vehicle to facilitate students' understanding. Students will examine the different cultures and influences of Latin-Americans. Using film and music/music videos we will consider social justice topics such as globalization, colonization, the privatization of water and water rights, the environment, family, religion and mythology, celebrations and relationships, human rights, immigration, politics, revolution and language. The films selected will provide social, historical and ideological frameworks to study the identities of Latin America.

Fall course focus: Mexico, Central America and the Caribbean

565 CULTURES OF LATIN AMERICA THROUGH FILM AND MUSIC II

Level 2 **one-half year** **.5 credit**

Note: This course will be taught in English. Some knowledge of Spanish is helpful but not necessary.

This interdisciplinary course seeks to review and analyze the complexity and richness of Latin American culture and history using films as a vehicle to facilitate students' understanding. Students will examine the different cultures and influences of Latin-Americans. Using film and music/music videos we will consider social justice topics such as globalization, colonization, the privatization of water and water rights, the environment, family, religion and mythology, celebrations and relationships, human rights, immigration, politics, revolution and language. The films selected will provide social, historical and ideological frameworks to study the identities of Latin America.

Spring course focus: South America

AMERICAN SIGN LANGUAGE COURSES

526 INTRODUCTION TO AMERICAN SIGN LANGUAGE

Level 3 **one-half year** **.5 credit** **Grades 11-12**

This course is an exploratory course designed as an introduction to American Sign Language. Students will learn basic ASL communication; including sign vocabulary of multiple topics: fingerspelling, numbers, and expressions. Students will also learn receptive signing activities and the history of ASL. The students will become knowledgeable of the different aspects of our Deaf culture, which is an integral part of meaningful language usage. Introduction to ASL is designed to provide students with a basic foundation of signed communication. This course is offered as an elective to juniors and seniors only. This class is an elective and does not meet NYS Regents Graduation criteria.





NCAA ELIGIBILITY - DIVISION I & II COLLEGE ATHLETES

All student-athletes who think they may participate in Division I or II athletics in college must register with and be certified by the [NCAA Eligibility Center](#). That means that the NCAA must decide if your high school academic program meets the requirements expected of all Division I and II athletes. They will review your SAT/ACT scores, your AVERAGE and each of your Connetquot High School courses. All student athletes should familiarize themselves with NCAA requirements by accessing the [NCAA Eligibility Center website](#). Prospective Division I and Division II students should register with the NCAA eligibility center by the end of their Sophomore year in high school. Students interested competing at a Division III school should complete the [NCAA Profile Page](#).

You can only use the Connetquot courses listed below to meet the NCAA requirements. In addition to this list, all NCAA approved courses are noted throughout the **2023-2024 Course Guide** on the page numbers noted.

NCAA courses are maintained as a guide for prospective student athletes seeking NCAA initial eligibility. They are subject to change at any time and without notice. Certification of a prospective student athlete is case specific, and the [NCAA Eligibility Center](#) has the authority to determine in its sole discretion whether the prospective student athlete has met all criteria.

NCAA ELIGIBILITY CENTER: CHS APPROVED COURSES (CEEB 330449)

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NCAA ELIGIBILITY CENTER: CHS APPROVED COURSES (CEEB 330449)

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Global History 10 Regents	pg 68
AP World History 10	pg 68
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**NOT SURE WHICH DIVISION
YOUR SCHOOL IS IN?**

(Click Links Below)

[Learn more](#) or [search NCAA schools.](#)



The following co-curricular and extra curricular activities are available to Connetquot Secondary students. **For a listing of team clubs and their meeting times, go to this url: <http://www.ccsdli.org/ConnetquotHigh.cfm?subpage=1133884>.** Students are encouraged to round out their education by participation in appropriate activities outside of the classroom. Students should ask school counselors, teachers, administrators, advisors or coaches about how to get involved in one or more of these activities.

American Sign Language
 Animal Conservation Club
 Animation Club
 Anti-Bullying Club (ABC)
 Art Club
 Athletes Helping Athletes
 Breaking Boundaries
 Ceramics
 Class Officers
 Computer Club
 Connetquot Civics Club
 Debate Club
 DECA
 DECA School Store

Drama Club
 Dramatics Fall Play
 Dramatics Spring Play
 Foreign Language Honor Society
 Future Teachers of America
 GSA
 Habitat for Humanity
 Helping Hands
 Interact Club
 International Club
 Literary Arts Magazine
 Model U N
 Mu Alpha Theta Math League

Music Industry Club
 National Art Honor Society
 National Business Honor Society
 National Honor Society
 Programming Club
 Rho Kappa Social Studies Honor Society
 Robotics Club
 SADD
 Science Olympiad
 Stage Crew
 Student Government
 Tri-M Music Honor Society
 Yearbook

MUSIC

Connetquot Thunderbird Marching Band
 HS Chamber Orchestra
 HS Color Guard
 * HS Vocal Jazz Ensemble
 * HS Kickline

* Pit Orchestra
 * Major Musical Theatre Presentation
 * Musical Theater Club
 * Tri-M Music Honor Society
 * HS Jazz Ensemble

* Require enrollment in music courses and/or audition

SPORTS*

BOYS	
Badminton**	Soccer
Baseball	Spring Track
Basketball	Swimming
Bowling**	Tennis
Cross Country	Unified Basketball
Football	Volleyball
Golf	Winter Track
Lacrosse	Wrestling

GIRLS	
Badminton**	Soccer
Basketball	Softball
Bowling**	Spring Track
Cheerleading	Swimming
Cross Country	Tennis
Field Hockey	Unified Basketball
Golf	Volleyball
Gymnastics	Winter Track
Lacrosse	

**Girls may try out for boys' teams

[*NCAA information available on the web at NCAA Eligibility Center](#)

WHERE DO YOU STAND? GRADUATION CHECKLIST

Student Name _____

Type of Diploma is: Regents _____ Adv. Regents _____

Mastery: Science _____ Math _____ Math/Science _____

			<u>Regents</u>	<u>Adv. Regents</u>	<u>Credits</u>
English 9	_____				_____
English 10	_____				_____
English 11	_____	Regents _____	1 RE*	1 RE*	_____
English 12	_____		4 credits	4 credits	_____
Global History 9	_____				_____
Global History 10	_____	Regents _____			_____
U. S. History	_____	Regents _____	2 RE's *	2 RE's*	_____
Eco / Gov't	_____		4 credits	4 credits	_____
Math 1	_____	Regents _____			_____
Math 2	_____	Regents _____	1 RE*	3 RE's*	_____
Math 3	_____	Regents _____	3 credits	3 credits	_____
Science 1	_____	Regents _____	1 RE*	2 RE's*	_____
Science 2	_____	Regents _____			_____
Science 3	_____	Regents _____	3 credits	3 credits	_____
World Language	1) _____	Checkpoint A _____	1 credit	3 credits	_____
Language	2) _____	Checkpoint B _____	NONE	FLACS	_____
	3) _____				_____

OTHER REQUIREMENTS FOR BOTH DIPLOMAS

Health	_____			.5 credit	_____
Art / Music	_____			1 credit	_____
Physical Ed	9 _____				_____
Physical Ed	10 _____				_____
Physical Ed	11 _____				_____
Physical Ed	12 _____			2 credits	_____

Other Course(s) / Credit(s):

_____ _____ _____ _____

Total Credits to Date: MINIMUM 22 CREDITS _____



Connetquot High School

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NOTES: