

William Floyd High School



**Course Catalog
2022-23**

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William Floyd Union Free School District
of the MASTICS – MORICHES – SHIRLEY
240 Mastic Beach Road
Mastic Beach, New York 11951-1028

PRINCIPAL'S MESSAGE

Dear Student:

The **William Floyd High School Course Catalog** is being given to you to assist you and your parents or guardians in making important decisions about the courses you will take during the 2022 – 2023 school year.

In choosing your courses, you are encouraged to seek assistance from your parents, teachers and school counselor. Try to select courses that will satisfy all of your graduation requirements, as well as explore future possibilities for you, whether attending college or entering the world of work.

I hope you take advantage of the many fine academic opportunities afforded you here at William Floyd High School. I wish you the best in academic success for the year ahead.

Sincerely yours,

Mr. Philip Scotto
HS Principal



IMPORTANT INFORMATION

PLEASE NOTE:

Every attempt will be made to meet student program and course requests. Students must realize, however, that not all courses contained herein may be offered or available. Budgetary, enrollment, and personnel factors may prevent some courses from being offered. Requested alternate courses will be used when courses are not offered or scheduling conflicts occur.

Also, note that it is the responsibility of students and parents to fully review schedules and specific courses after consultation with the guidance counselor.

All student requests to drop a full year course must be generated no later than one week after the mailing of the first quarter progress report.

All requests to drop a half year course must be generated no later than one week after the mailing of the first progress reports of the appropriate semester.

Refer to the Student Handbook for other dates related to schedule changes.



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Counseling Center

Director Of Student Information and Secondary Education

Albert Peterson
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WFHS Assistant Principal for Counseling Center

Suzanne Branchinelli
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The goal of the William Floyd School District Counseling Program is to provide support for every student in their academic growth, career/post-high school plans, and social/personal development. Counselors encourage students to take an active and responsible role in the decision-making process of their high school education. Taking responsibility, developing effective communication skills, and acquiring strong organizational and study/work habits are essential life skills, counselors emphasize these skills in working with their students.

Each year, counselors assist students in their academic and elective course selections for their following school year during a scheduling process which takes place in the mid-winter months. Parents and students are urged to review the William Floyd High School Course Catalog thoroughly in preparation for the scheduling process. Course selections are chosen with student input and are based upon teacher recommendations as well as a student's past performance, standardized test scores, a student's college and career goals, and parent requests. Parents will be asked to review and sign student course selection sheets and are encouraged to contact school counselors with questions or concerns.

The William Floyd School District Mission Statement supports the belief that students benefit from course selections which encompass the highest academic standards possible. The Counseling Department encourages students to take full advantage of all the educational opportunities available to them during their high school years. It is highly recommended that each student pursue an academically demanding schedule, with the goal of attaining admission to a post-high school institution.

William Floyd High School Counselors

Kerry Brewer	Laura Joseph
Lauren Bascelli	Stephanie Nardone
Danielle DeNunzio	Laura Nunziata
Amanda Ericksen	Arianna Scanlon
Dana Garner	Ashley Siebert



Graduation Requirements

It should be noted that the diploma requirements listed below are the **minimum** graduation requirements. Students are encouraged to take the most rigorous academic program possible in order to develop their intellect and skills to the fullest.

School policy requires that full-time students take at least **5½ course credits** per school year.

A 12th grade student whose remaining required courses for graduation are included within their grade 12 schedule is considered a graduating senior.

A 12th grade student, who has fallen behind in credits and will need to continue attending high school for longer than the current school year in order to graduate will be considered a “12 NP” student. Please Note: 12NP students do not have senior privileges.

It is **strongly recommended** that required **courses failed** during the regular school year be made up in **summer school** so that students can ensure graduation on time with their classmates.

In order for a student to walk the graduation line in June, he or she must successfully meet ALL graduation requirements prior to graduation day.

Class Rank is determined in the fall of senior year, based upon high school credit-bearing courses taken through Grade 11. All courses of study are included for ranking purposes, except those excluded by Board of Education Policy. Selection of the Valedictorian and Salutatorian is in accordance with Board of Education Policy.

<i>NYS CREDIT REQUIREMENTS</i>			
<i>Regents Diploma</i>		<i>Advanced Regents Diploma</i>	
English	4	English	4
Social Studies	4	Social Studies	4
Math	3	Math	3
Science	3	Science	3
World Language	1	World Language	3
Fine Arts	1	Fine Arts	1
Health	0.5	Health	0.5
Physical Education	2	Physical Education	2
Electives	3.5	Electives	1.5
<i>Total Credits</i>	22	<i>Total Credits</i>	22

<i>NYS REGENTS EXAM REQUIREMENTS</i>	
<i>Regents Diploma</i>	<i>Advanced Regents Diploma</i>
English Language Arts (ELA) Regents	English Language Arts (ELA) Regents
*Global History and Geography Regents	Global History and Geography Regents
*U.S. History and Government Regents	U.S. History and Government Regents
One Math Regents	Algebra I Regents
One Science Regents	Geometry Regents
	Algebra II Regents
	Living Environment Regents
	Physical Science Regents
	World Language Checkpoint B Exam

****Students may also utilize multiple pathways to meet Regents Examination requirements.***

Please see information on multiple pathways at:

<http://www.p12.nysed.gov/ciai/multiple-pathways/docs/multiple-pathways-pathways-qa-2015-04-08.pdf>

NYS DIPLOMA REQUIREMENTS

The difference between diploma types lies in the number of assessments the student **MUST** pass and the required passing score.

<i>Local Diploma</i>	<i>Regents Diploma</i>	<i>Advanced Regents Diploma</i>
Available for Low Pass Eligible students only	Score 65 or above on 5 Required Regents Exams	Score 65 or above on 9 Required Regents Exams (or 8*)

*May substitute a 5-credit sequence of Art, Music, or Career and Technical Education after earning one credit in World Language.

Honors & Advanced Placement (AP) Courses

Students are encouraged to take more rigorous courses which will challenge them to develop their critical thinking and analytical skills. WFHS offers various Honors and AP level courses which can help students prepare for college and/or career paths they will pursue after graduation.

Parents and students should consider placement in Honors and Advanced Placement courses with care. A high school record that includes successful completion of Honors or Advanced Placement courses enhances a student's college application.

Teacher recommendation is required and maintaining a minimum 85 average may be necessary.

Please Note:

Report cards and transcripts indicate actual grades, **NOT** weighted grades, as recommended by college admissions offices. Report card grades will not exceed 100.

Grades will be weighted to show relative difficulty of different course levels **solely** to determine rank in class.

To accurately reflect the difficulty of different course levels, courses are **weighted** as follows:

Advanced Placement (AP)	1.10
Honors/AP Prep/Pre-AP	1.05
Regents	1.00

ADVANCED PLACEMENT COURSES

Advanced Art	Computer Science Principles	Physics
Biology	English Language & Composition	Seminar
Calculus (AB)	English Literature & Composition	Spanish Language & Culture
Calculus (BC)	Environmental Science	U.S. Government & Politics
Chemistry	Macroeconomics	U.S. History
Computer Science A	Music Theory	World History: Modern

Please visit <https://apcentral.collegeboard.org/> for additional information on AP courses and exams.

WFHS AP Capstone Program

The AP Capstone program provides students with the opportunity to develop academic skills that will help them to stand out in the college admissions process by developing the critical skills needed to be successful in college and future careers.



The program consists of two courses that allow students to tailor their own experience by immersing themselves in topics that matter to them, while they develop analytical, research, problem-solving, and communication skills that colleges/employers seek in their applicants.

AP Capstone Courses

AP® Seminar	Full Year – 1 Credit Grades 11-12
Prerequisite: Teacher Recommendation	
<p>This is the foundational course of the two year AP Capstone Program. It is designed to provide students with various opportunities to think critically and creatively, to learn how to research and explore areas of interest, to develop arguments and consider solutions, and to work collaboratively with others. Students will use an inquiry framework to practice reading and analyzing various documents, texts, and/or digital media in order to learn how to synthesize information gained from multiple sources. Students will also learn how to develop their own perspectives in written form, as well as, be able to deliver oral and visual presentations individually and as a team.</p> <p>The AP exam cost is \$144. If you receive free/reduced lunch you may be eligible for a fee reduction. These costs are subject to change as per federal and state guidelines.</p>	
AP® Research (Coming in 2023-24)	Full Year – 1 Credit Grades 11-12
Prerequisite: AP® Seminar and Teacher Recommendation	
<p>AP Research provides students with an opportunity to explore, in depth, an academic topic, problem, or issue of individual interest. Students will then design, plan, and conduct research over the course of the school year to address a specific question. Students will utilize and further the skills acquired in the AP Seminar course through research methodology, by employing ethical research practices, and by accessing, analyzing and synthesizing information as they address a research question. Students will build a research portfolio and write an academic research paper, as well as, present an oral defense of their work.</p> <p>The AP exam cost is \$144. If you receive free/reduced lunch you may be eligible for a fee reduction. These costs are subject to change as per federal and state guidelines.</p>	

AP Capstone Diploma

Students can earn the **AP Capstone Diploma** by doing the following:

1. Earning a 3 or higher in AP Seminar and AP Research
2. Earning a 3 or higher on any 4 other AP Exams



AP Seminar & Research Certificate

Students who earn a 3 or higher in AP Seminar and AP Research, but NOT on the 4 additional AP exams will receive the **AP Seminar and Research Certificate**.



College in the High School Programs

Through our dual enrollment programs, William Floyd High School offers numerous courses which may enable a student to receive college credit. Students may obtain college credit and, thereby, reduce college tuition costs.



Please Note: A tuition fee is charged by the college/university in order to obtain the college credit. These fees are the responsibility of the student's family.

COLLEGE COURSES

St. John's University		
Calculus Honors/AP Calculus	Italian IV/V	Spanish V
SUNY Delhi		
CTE Carpentry		
SUNY Farmingdale		
Architectural Problems	Business Law	Business Ownership/Mgmt
College Accounting	College Business Math	Computer applications I & II
CTE Automotive (7 Credits Available)	CTE Medical Assisting (6 Credits Available)	Fashion Marketing
Principles of Engineering	Robotics	Virtual Enterprise (9 Credits Available)
Suffolk County Community College		
Automotive Technology	Business Ownership/Mgmt	College Accounting
College Statistics	Culinary I – Sanitation	Culinary II – Culinary Arts
CTE Automotive (6 Credits Available)	CTE Medical Assisting (6 Credits Available)	Entertainment Marketing
Fashion Marketing	Italian IV/V	Music Theory I
Music Theory II	Piano I	Piano II
Piano III	Precalculus	Spanish IV
Studio in Drawing		

CTE Programs & Pathways

Department Lead Teacher

Allison Wiegand

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William Floyd High School offers **8 CTE Program Academies** in various areas of interest, as well as, **5 CTE Pathways** in Business and Technology.

Please Note the Following:

- All students must meet the required criteria, as outlined in the application process.
- Personal Finance or Career & Financial Management (CFM) is a **REQUIRED COURSE FOR ALL CTE ENDORSEMENTS**. (See Business Department for information on this course)
- Courses will be offered based on student enrollment.

Accounting Pathway	3.5 Credits Grades 9 - 12
<p>Students have the opportunity to obtain a CTE Endorsement in Accounting by following the pathway shown below. The purpose of this endorsement is to prepare students for entry level employment by developing the necessary workplace skills to be a successful employee. It also gives students a strong foundation to continue their post-secondary education.</p> <p><i>Please Note:</i> Students MUST pass the technical assessment in College Accounting in order to receive this endorsement on their diploma.</p> <p style="text-align: center;"><u>Required Courses:</u> Personal Finance (1/2 credit) College Accounting (1 credit)</p> <p style="text-align: center;"><u>MUST Take 2 Additional Credits from the Following Courses:</u> Accounting (1 credit) College Business Math (1 credit) Wall Street (1/2 credit) Wealth Management (1/2 credit) Math Applications for Business (1 credit) WBL in CTE Area (1 credit)</p>	
Advanced Home Design & Carpentry Program Course # 3502A	Full Year - 2 credits Grade 12
<p><i>Prerequisite:</i> Home Design & Carpentry <i>Additional SUGGESTED Coursework:</i> Business Ownership & Management (See Business Department courses for information)</p> <p>This course is for senior students that have passed year one of Home Design & Carpentry. During this course, student will develop stronger skills in the fields of plumbing, electrical and cabinet making. Students will also be exposed to the fundamentals of commercial construction. Students will work on special projects developed by the community as well as local trade unions.</p> <p style="text-align: center;">Students will have the option of taking the BOM course for college credit through the Suffolk County Community College Beacon Program.</p>	

Architecture Pathway	3.5 Credits Grades 9 - 12
<p>Students have the opportunity to obtain a CTE Endorsement in Architecture by following the pathway shown below. The purpose of this endorsement is to prepare students for entry level employment by developing the necessary workplace skills to be a successful employee. It also gives students a strong foundation to continue their post-secondary education.</p> <p><i>Please Note:</i> Students MUST pass the technical assessment in Architectural Problems in order to receive this endorsement on their diploma.</p> <p style="text-align: center;"><u>Required Courses:</u> Personal Finance (1/2 credit) Design & Drawing (1 credit) Computer Aided Design (1 credit) Architectural Problems (1 credit)</p> <p style="text-align: center;"><u>Suggested OPTIONAL Course:</u> Architectural Design (1 credit)</p>	
Automotive Technology Program Course# 3506 (Year 1); 3506A (Year 2)	Two Years – 5 Credits Grades 11 – 12
<u>ADDITIONAL SUGGESTED COURSEWORK:</u> Business Ownership & Management (See Business Department courses for information)	
<p>Automotive Technology is a 2-year program that provides students opportunities to learn advanced automotive theory and apply it to practical skills pertaining to the automobile repair industry. Classroom and automotive lab situations will be used to teach the NATEF/ASE- (National Automotive Technicians Education Foundation and Automotive Service Excellence) based curriculum. Topics covered include: shop safety, hand tool usage and fasteners, basic electrical, brakes, steering and suspension, manual transmission and driveline, engine performance, engine repair, HVAC, automatic transmission, Automotive Industry History, and Automotive Shop Management. Many other shop-management and 21st century skills will be covered. Students will have the opportunity to learn in a state-of-the-art automotive facility. Must pass industry assessment in order to receive this endorsement on diploma.</p> <p style="text-align: center;">Students will have the option of taking this course for college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
Barbering Program Course# 3509 (Year 1); 3509A (Year 2)	Two Years – 4 Credits Grades 10 – 12
<u>ADDITIONAL SUGGESTED COURSEWORK:</u> Business Ownership & Management (See Business Department courses for information)	
<p>Barbers are in high demand! Do you have what it takes to become a Master Barber? Take a realistic look inside the industry, from the traditional barbershop to the expanding, modern barbering industry. Cutting and styling techniques, facial grooming, shaving techniques, shampoos, rinses, and conditioning treatments are just a few of the skills you will learn from our Master Barbering instructor. In addition, you will learn the business and communication skills you will need to operate your own business. Successful completion of the program will prepare you to take the New York State Licensing exam. Must pass industry assessment in order to receive this endorsement on diploma.</p> <p style="text-align: center;">Students will have the option of taking the BOM course for college credit through the Suffolk County Community College Beacon Program.</p>	

Business Management Pathway	3.5 Credits Grades 9 - 12
<p>Students have the opportunity to obtain a CTE Endorsement in Business Management by following the pathway shown below. The purpose of this endorsement is to prepare students for entry level employment by developing the necessary workplace skills to be a successful employee. It also gives students a strong foundation to continue their post-secondary education.</p> <p><i>Please Note:</i> Students MUST pass the technical assessment in Virtual Enterprise in order to receive this endorsement on their diploma.</p> <p style="text-align: center;"><u>Required Courses:</u></p> <p style="text-align: center;">Personal Finance (1/2 credit) Business Ownership & Management (1 credit) Virtual Enterprise (1 credit)</p> <p style="text-align: center;"><u>MUST Take 1 Additional Credit from the Following Courses:</u></p> <p style="text-align: center;">College Business Law (1 credit) Entertainment Marketing (1 credit) Fashion Marketing (1 credit) Sports Marketing (1 credit) #Social Media (1/2 credit) Everyday Law (1/2 credit) Leadership by Design (1/2 credit) WBL in CTE Area (1 credit)</p>	
Cosmetology Program Course# 3501 (Year 1); 3501A (Year 2)	Two Years – 6 Credits Grades 11 – 12
<p><u>ADDITIONAL SUGGESTED COURSEWORK:</u> Business Ownership & Management (See Business Department courses for information)</p> <p><u>HIGHLY RECOMMENDED COURSEWORK:</u> General Chemistry</p> <p>The William Floyd Cosmetology Academy offers a two-year Cosmetology licensing course. The 1,000 hour New York State licensing course includes instruction and practical experience in hairstyling, hair coloring, haircutting, skin care, nail technology, make-up, braiding, chemical texturizing and hair extensions. The program also includes visits by guest speakers, industry shows and other events. Our state-of-the-art cosmetology classroom utilizes the same equipment and materials found in a professional salon. Successful completion of our program qualifies students to apply for the New York State Cosmetology written and practical exams. Must pass industry assessment in order to receive this endorsement on diploma.</p> <p style="text-align: center;">Students will have the option of taking the BOM course for college credit through the Suffolk County Community College Beacon Program.</p>	

Engineering Pathway	3.5 Credits Grades 9 - 12
<p>Students have the opportunity to obtain a CTE Endorsement in Engineering by following the pathway shown below. The purpose of this endorsement is to prepare students for entry level employment by developing the necessary workplace skills to be a successful employee. It also gives students a strong foundation to continue their post-secondary education.</p> <p><i>Please Note:</i> Students MUST pass the technical assessment in Principles of Engineering in order to receive this endorsement on their diploma.</p> <p style="text-align: center;"><u>Required Courses:</u> Personal Finance (1/2 credit) Design & Drawing (1 credit) Computer Aided Design (1 credit) Principles of Engineering (1 credit)</p> <p style="text-align: center;"><u>Suggested OPTIONAL Course:</u> Robotics (1/2 credit)</p>	
Home Design & Carpentry Program Course #3502	One Year – 3 Credits Grades 11 – 12
<p><u>ADDITIONAL SUGGESTED COURSEWORK:</u> Business Ownership & Management (See Business Department courses for information)</p> <p>The William Floyd Home Design & Carpentry Academy offers a two-year program that combines hands-on skill development and technical training providing students with a basic understanding of the competencies needed to perform as an entry level carpenter, carpenter's apprentice, or carpenter's helper. During Year 1, students will learn the fundamentals of construction and carpentry. In Year 2, students will continue to learn about building construction occupations as well as basic plumbing, electrical, and HVAC. Must pass industry assessment in order to receive this endorsement on diploma.</p> <p style="text-align: center;">Students will have the option of taking the course for college credit through the State University of Delhi</p>	
Hospitality Services Program Course# 3503 (Year 1); 3503A (Year 2)	Two Years – 5 Credits Grades 11 – 12
<p><u>ADDITIONAL REQUIRED COURSEWORK:</u> Business Ownership & Management (See Business Department courses for information)</p> <p>The William Floyd Hospitality Services Academy offers a two-year course in Culinary Arts. The course of study includes classroom instruction and practical experience in the skills and theory needed to be employed in a variety of food service professions. Students will learn in our fully- equipped kitchen, which is equivalent to those found in restaurants around the world. Must pass industry assessment in order to receive this endorsement on diploma.</p> <p style="text-align: center;">Successful completion of our program provides students with an opportunity to earn up to 7 advanced college credits through Suffolk County Community College's Beacon Program. Those credits may be applied to the following SCCC programs of study: Culinary, Baking or Hotel Management.</p> <p style="text-align: center;">Students will have the option of taking the BOM course for college credit through the Suffolk County Community College Beacon Program.</p>	

Marine & Motorsports Program Course# 3508	Full Year – 2 Credits Grades 11-12
<u>ADDITIONAL REQUIRED COURSEWORK:</u> Personal Finance/CFM and Drawing & Design <u>ADDITIONAL SUGGESTED COURSEWORK:</u> Principles of Engineering, Electronics, and College & Career Prep)	
<p>Do you like boats, quads, motorcycles and jet skis? Do you want to learn what it takes to become a marine or motorsports technician? Then this is the class for you! This is a beginner class that introduces students to engine and vehicle systems theory, performance modifications as well as factory supported training. Students will be able to maintain, diagnose and repair two and four stroke engines and power sports equipment. Must pass industry assessment in order to receive this endorsement on diploma.</p>	
Medical Assisting Program Course# 3507 (Year 1); 3507A (Year 2)	Two Years – 6 Credits Grades 11 – 12
<p style="text-align: center;"><u>Distinguished Pathway (Allied Health Careers/Nursing/Medicine)</u></p> <p><u>ADDITIONAL REQUIRED COURSEWORK:</u> Regents or Honors Chemistry (Preferably in Grade 10 or 11) <u>AND</u> at least one of the following: Anatomy & Physiology, AP Physics, AP Biology</p> <p><u>Additional Suggested Coursework:</u> Intro to Medicine and Calculus</p> <p style="text-align: center;"><u>General Pathway (Medical Assistant/Front Office)</u></p> <p><u>ADDITIONAL REQUIRED COURSEWORK:</u> General Chemistry (Preferably in Grade 10 or 11)</p> <p><u>HIGHLY SUGGESTED Coursework:</u> Regents Chemistry and/or Anatomy & Physiology</p> <p><u>Additional Suggested Coursework:</u> Computer Applications and Advanced Computer Applications</p>	
<p>The Medical Assisting/Introduction to Health Professions Academy introduces students to a wide range of topics, including health care systems, health careers, anatomy and physiology, nutrition and diet therapy, infection control, vital signs, first aid and emergency care, CPR, EKG, pediatric and adult care, assisting with minor office surgery, laboratory skills and insurance, billing and administrative procedures. Students receive training on-site in our fully equipped classroom laboratory. Students completing the program will be eligible to take the national certification exam, the successful completion of which qualifies students to utilize their skills in any US state. Must pass industry assessment in order to receive this endorsement on diploma.</p> <p style="text-align: center;">Students will have the option of taking courses for college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	

Microsoft Office Specialist Pathway	3.0 Credits Grades 9 - 12
<p>Students have the opportunity to obtain a CTE Endorsement in Microsoft Office Specialist by following the pathway shown below. The purpose of this endorsement is to prepare students for entry level employment by developing the necessary workplace skills to be a successful employee. It also gives students a strong foundation to continue their post-secondary education.</p> <p><i>Please Note:</i> Students MUST pass the technical assessment in Advanced Computer Applications in order to receive this endorsement on their diploma.</p> <p style="text-align: center;"><u>Required Courses:</u></p> <p style="text-align: center;">Personal Finance (1/2 credit) Computer Applications (1/2 credit) Advanced Computer Applications (1/2 credit) Virtual Enterprise (1 credit) Web Design (1/2 credit)</p>	
Personal Training Program Course# TBD	Two Years – 4 Credits Grades 11 - 12
<u>ADDITIONAL REQUIRED COURSEWORK:</u> Personal Finance/CFM, Health, and Living Environment	
<p>Welcome to today's health-conscious world! People are more interested than ever in losing weight, toning muscle, improving diet and living healthier lives. If fitness is your passion and you enjoy working with people, a career in personal training may be perfect for you. In this exciting new program, you will have an opportunity to design weight-training and nutritional programs, help people gain greater self-esteem and see the results of your skills "take shape" every day. This course will offer you the opportunity to earn your National Personal Trainer certification.</p>	



Seal of Biliteracy

The NYS Seal of Biliteracy (NYSSB) recognizes high school graduates who have attained a high level of proficiency in English and one or more world languages. The intent of the NYS Seal of Biliteracy is to

- encourage the study of languages
- to identify high school graduates with language and biliteracy skills for employers
- to provide universities with additional information about applicants seeking admission
- to prepare students with 21st century skills
- to recognize the value of language instruction
- to affirm the value of diversity in a multilingual society

Students who successfully earn the Seal of Biliteracy will have a seal affixed to their diplomas and will have the designation listed in their final transcripts upon graduation.

Please see your school counselor and/or the World Language Department Chairperson if you are interested in earning the Seal of Biliteracy.

Successful candidates will earn three (3) points in English AND three (3) points in World Language based on the chart below, which includes course grades, national and state exams, transcripts, and culminating projects.

Criteria for Demonstrating Proficiency in ENGLISH LANGUAGE (MUST Earn at Least 3 Points from this category)	Criteria for Demonstrating Proficiency in WORLD LANGUAGE (MUST Earn at Least 3 Points from this category)
<p>1a. English Language Arts (ELA) Regents Exam (1 point): Score 80 or better on the NYS ELA Regents OR English Language Learners (ELLs) score 75 or better on two (2) Regents exams other than English without translation</p> <p>1b. NYSESLAT (1 point): ELLs score at the Commanding level on two (2) modalities of the NYSESLAT as demonstrated by an overall scaled score of 290.</p> <p>1c. ELA Courses (1 point): Complete all 11th & 12th grade ELA courses with an average of 85 or better.</p> <p>1d. Achieve the following on the exams listed below (1 point): 3 or better on an AP English Language or AP English Literature exam OR 80 or better on the Test of English as a Foreign Language (TOEFL)</p> <p>1e. Committee Presentation (2 points) Present a culminating project, scholarly essay, or portfolio that meets the criteria for speaking, listening, reading, and writing established by the district's Seal of Biliteracy Committee to a panel of reviewers with proficiency in English.</p>	<p>2a. Advanced World Language Course (1 point): Complete a Checkpoint C level World Language course (AP Spanish Language & Culture or Italian V), with a grade of 85 or higher.</p> <p>2b. Foreign Transcripts (1 point): Provide transcripts from a school in a country outside of the U.S. showing at least three (3) years of instruction in the student's home/native language in Grade 8 or beyond, with an equivalent grade average of B or higher.</p> <p>2d. Checkpoint C Exam (1 point): Score at the proficient level on an accredited Checkpoint C World Language Assessment (4 or better on the AP Spanish Language exam)</p> <p>2e. Committee Presentation (2 points) Present a culminating project, scholarly essay, or portfolio that meets the criteria for speaking, listening, reading, and writing established by the district's Seal of Biliteracy Committee that is aligned to the NYS Checkpoint C Learning Standards to a panel of reviewers with proficiency in the target language.</p>

Seal of Civic Readiness

The New York State Seal of Civic Readiness (NYSSCR) is a formal recognition that a student has attained a high level of proficiency in their Social Studies coursework and demonstrated civic engagement. Having this special designation on a transcript and diploma signifies the following demonstrated domains: Civic Knowledge, Civic Skills and Actions, Civic Mindsets, and Civic Experiences.

The Seal of Civic Readiness may be a 4+1 pathway to meet New York State diploma requirements. The Seal of Civic Readiness may also be a stand-alone diploma seal for students who choose a different 4+1 pathway

In order to obtain the Seal of Civic Readiness, a student must earn a total of **six (6) points** in two areas: **Civic Knowledge** and **Civic Participation** with at least two (2) points for civic knowledge and two (2) points for civic participation.

<p style="text-align: center;">Criteria for Demonstrating Proficiency in CIVIC KNOWLEDGE (MUST Earn at Least 2 Points from this category) <i>*Students may receive these points more than once</i></p>	<p style="text-align: center;">Criteria for Demonstrating Proficiency in CIVIC PARTICIPATION (MUST Earn at Least 2 Points from this category) <i>*Students may receive these points more than once</i></p>
<p>1a. <u>Earn course credit for all Social Studies courses required for graduation (1 point)</u></p> <p>1b. <u>Social Studies Regents Exams - Mastery Level (*1.5 points):</u> Demonstrate mastery level on the Global History & Geography Regents <i>and/or</i> United States History Regents.</p> <p>1c. <u>Social Studies Regents Exams- Proficiency Level (*1 point):</u> Receive a passing score on the Global History & Geography Regents <i>and/or</i> United States History Regents (<i>apply safety net if eligible</i>)</p> <p>1d. <u>Advanced Social Studies Courses (*0.5 points):</u> Demonstrate proficiency in an advanced social studies course (e.g. Honors, Pre-AP, AP, IB or College/University level approved by the school district; including dual enrollment courses or others approved by the SCR Committee.</p> <p>1e. <u>Research Project (1 point)</u> Demonstrate civic knowledge through a social studies research project. This project must be approved by the District's Seal of Civic Readiness Committee.</p>	<p>2a. <u>Civic Skills, Actions, and Mindsets (*1.5 points)</u> Complete a culminating high school civic project that demonstrates civic knowledge, skills, actions, and mindsets, as established by the local Seal of Civic Readiness Committee (SCRC).</p> <p>2b. <u>Civic Experiences Area I (1 point)</u> Complete a service learning project that includes a minimum of 25 hours of demonstrated service to the community and submit a reflective civic learning essay.</p> <p>2c. <u>Civic Experiences Area II (*0.5 points)</u> Demonstrate mastery in an elective course that promotes civic engagement (as defined by SCR committee) and submit a written application of knowledge essay.</p> <p>2d. <u>Civic Experiences Area III (*0.5 points)</u> Participate in an extra-curricular program, or work-based learning experience that promotes civic engagement or civic action for a minimum of 40 hours. <i>Write an application of knowledge essay.</i> This may be accomplished over four years of high school.</p> <p>2e. <u>Middle School Capstone Project (*1 point)</u></p> <p><u>HS CAPSTONE PROJECT (4 points)</u> The Capstone Project that includes these Essential Elements:</p> <ul style="list-style-type: none"> ■ Identify an issue (local, state, national, or global) ■ Apply civic knowledge, skills, actions, and mindsets to the issue ■ Engage in a civic experience based on the issue to influence positive change to the community (local, state, national, or global) ■ Present overall project to the school's Civic Readiness Committee

WORK-BASED LEARNING PROGRAM

Work Experience Coordinator

Allison Wiegand



EARN COURSE CREDIT FOR HAVING A JOB ON-THE-BOOKS OR FOR VOLUNTEERING IN SCHOOL OR THE COMMUNITY!

Interested students should see their counselors for details and an application.

All applications will be screened by the work-based learning coordinator to determine eligibility for the program. It is imperative that you turn in your completed application to the Work-Based Learning Coordinator or you will be dropped from the program and lose your chance for this credit. This is an INDEPENDENT study program and does not take up a class period! A personal coordinator will provide you with career-related instruction and counseling to help create occupational goals, encourage progress, answer questions, and solve job-related problems. Become a 21st century employee!

Career Exploration Internship Program (CEIP)	CEIP 0634 – 1 CREDIT CEIP 0635 – 1/2 CREDIT
<ul style="list-style-type: none"> • 108 hours of volunteer work in the building or the community qualifies for 1 credit. • 54 hours of volunteer work in the building or the community qualifies for 1/2 credit. <p>Apply now and receive credit for volunteering!</p>	
General Education Work Experience (GEWE)	GEWE 0631 – 1 CREDIT (For any student who is NOT working toward a 5-unit sequence) GEWE 0655 – 1/2 CREDIT
<ul style="list-style-type: none"> • 300 hours of on-the-books, paid work qualifies for 1 credit. • 150 hours of on-the-books, paid work qualifies for 1/2 credit. <p>Apply now and receive credit for working!</p>	
<p>** PLEASE NOTE: A student can receive only 1 credit for CEIP AND 1 credit for GEWE or COOP throughout the whole high school experience for a total of two credits in the Work-Based Learning Program. A Student may be simultaneously enrolled in CEIP and GEWE or COOP for a full credit for each in the same school year as long as it is 2 different jobs. (If it is only 1 job, they may receive 1/2 credit in a given school year for CEIP one semester and 1/2 credit for GEWE the next semester.)</p>	
Cooperative Work Experience (COOP)	COOP 0625 – 1 Credit (For any student who is working toward a 5-unit CTE Sequence)
<ul style="list-style-type: none"> • 300 hours of on-the-books, paid work qualifies the student for 1 credit. • 150 hours of on-the-books, paid work qualifies the student for 1/2 credit. 	

TESTING INFORMATION

Students at William Floyd High School participate in various standardized testing programs. These tests provide vital information that may not be obtainable from any other source. We test students to help them gain self-understanding, make decisions/plans about their future, and to meet graduation requirements. Data about aptitudes, achievements, and interests are used to determine the progress of students, to identify areas of strength and weakness, to plan remedial programs, to modify course and teaching methods, and to plan for college admission.

The following standardized tests are required or recommended exams and are available to all students at the High School.

NYS REGENTS EXAMS

The New York State Education Department requires that all students earn a grade of 65 or above on all five required Regents Exams for a Regents Diploma. The required Regents Exams are: Algebra I, Global History and Geography, one Science Regents, US History, and English. To earn an Advanced Regents Diploma, students must also pass the Checkpoint B Exam in a World Language, Geometry, Algebra II and an additional Science Regents. (*please refer to page 8*)

PSAT - PRELIMINARY SAT/NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST*

The PSAT/NMSQT is a “practice SAT” test given in October in preparation for the SAT I. This test is also the first step in entering scholarship programs conducted by the National Merit Scholarship Corporation (NMSC). The PSAT is divided into five (5) sections in three (3) skill areas. There are two (2) twenty-five minute critical reading sections, two (2) twenty-five minute Math sections and one (1) thirty minute writing skills section. Students should take the PSAT in the fall of their junior year. Sophomores may take the PSAT 10. Students may use calculators on all math questions. Scores are reported on a 20-80 point scale in Math, Critical Reading and Writing sections.

SAT – REASONING TEST*

The SAT is one of two national college entrance exams that are used by most colleges as a means of assessing applicants’ college readiness. The SAT is provided by College Board (www.collegeboard.org). It is recommended that students take the SAT in the spring of junior year and again in the fall of senior year.

The SAT Reasoning Test measures skills in Mathematics, Reading, Writing and Language. The SAT also has an optional essay. Students are permitted to use a calculator on some of the Math questions. Many questions on the new SAT focus on important, widely used words and phrases found in texts in many different subjects. Some questions ask you to figure out a word’s meaning based on context. The words are ones that you will probably encounter in college or in the workplace long after test day.

The Evidence-Based Reading and Writing section and the SAT Essay ask you to interpret, synthesize, and use evidence found in a wide range of sources. These sources include informational graphics, such as tables, charts, and graphs, as well as multi-paragraph passages in the areas of literature and

literary nonfiction, the humanities, science, history and social studies, and on topics about work and career. Scores are reported on a 400-1600 Scale for Evidenced Based Reading and Writing and Math.

SAT II SUBJECT TESTS*

The SAT II consists of 20 individual subject tests designed to measure knowledge and skills in particular subject areas as well as the ability to apply that knowledge. They are each 1 hour, multiple choice exams. Many competitive colleges require applicants to take SAT II tests, so applicants should carefully review the admissions procedures for each college to which they are applying. Among the subject areas available for students for this exam are: Literature, U.S. History, Math (Level 1 and Level 2), Biology, Chemistry, Physics, and Languages (Spanish, Italian and French). Scores are reported on a scale of 200 – 800.

ACT*

The ACT is another national college admissions exam which may be used in place of or in addition to the SAT. It is a curriculum-based exam which tests applicant's general educational development and ability to complete college level work. Its website is www.actstudent.org. Specifically, it tests skill levels in English, Math, Reading, and Science, and there is an optional Writing test. ACT scores are reported as four separate scores: English, Reading, Math, and Science; and one composite score is included, which ranges from 1-36.

ADVANCED PLACEMENT TESTS (AP®)*

AP tests are designed for students who have completed college-level AP courses in high school. Advanced Placement examinations are given in specific subject areas to determine whether a student may gain advanced standing in college. AP Exams are administered in May of each year. Scores range from 1-5. Generally, a score of 3, 4 or 5 may qualify for college credit.

ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)

The ASVAB is an aptitude battery measuring developed abilities. It predicts what a person might accomplish with training or further education. ASVAB is designed to measure potential for occupations that require formal courses of instructional or on-the-job training. In addition, it provides measures of general learning ability that are useful for predicting performance in academic areas. ASVAB is an outstanding Vocational Inventory for all students, even for students not necessarily interested in a career in the Armed Services.

TEST OF ENGLISH AS A WORLD LANGUAGE (TOEFL)

This test is designed for students for whom English is not a native language, and whose scores on the SAT, therefore, would be affected by the language difference.

*William Floyd High School CEEB Code: 333-068

*William Floyd
High School
Course Offerings
2022-23*



Visual Arts Sequences



One (1) Fine Arts credit is required for graduation

A 5-credit sequence in the Arts can be used as an alternative to the 3 credit World Language requirement for an Advanced Regents Diploma.

Please Note: Students can only use this substitution after they have earned one (1) credit in World Language.

<p><u>Studio in Art</u> (Foundation Course) Introduction to the nature, function and techniques of the visual arts present and past.</p> <p style="text-align: center;"></p> <p style="text-align: center;">Studio in Drawing Studio In Painting Portfolio Preparation AP Advanced Art</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">Studio in Drawing Fashion Design (1/2 Credit) Fashion Design II (1/2 Credit) Portfolio Preparation AP Advanced Art</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">Studio in Drawing Fashion Design (1/2 Credit) Fashion Design II (1/2 Credit) Illustration (1/2 Credit) Art Appreciation (1/2 Credit) Portfolio Preparation</p>	<p><u>Exploration of Crafts</u> (Foundation Course) Introduction to the fundamentals of three-dimensional design using various materials.</p> <p style="text-align: center;"></p> <p style="text-align: center;">Exploration of Crafts II (1/2 Credit) Advertising & Product Design (1/2 Credit) Ceramics (1/2 Credit) Sculpture (1/2 Credit) Photography (1 Credit) Advanced Photography (1/2 Credit) Art Appreciation (1/2 Credit)</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">Exploration of Crafts II (1/2 Credit) Advertising & Product Design (1/2 Credit) Photography (1 Credit) Advanced Photography (1/2 Credit) Art Appreciation (1/2 Credit) Portfolio Preparation</p>
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Please Note:

It is advised that any student who is planning to go to college for a Visual Arts degree to take; Portfolio Prep, AP Advanced Art (College Credit Available) & Art Appreciation.

These sequences are a suggestion. Any student who fulfills their state Visual Arts credit can elect to take any art course as long as they fulfill the prerequisite.

Refer to course descriptions below or see your school counselor for recommended grade level for specific courses and suggested course combinations.



Art Courses

Department Chairperson

Theresa Bianco

(631)874-1730

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Foundation Courses

*One of these courses **MUST** be taken as a prerequisite for other visual art courses **AND** will satisfy the **FINE ARTS** credit required for graduation.*

Studio in Art Course# 0901	Full Year – 1 Credit Grades 9 – 12
Prerequisite: None	
Studio in Art is an exploratory course designed to stimulate the student’s interest in visual art and to find a particular medium or area of interest in which they can elect advanced art courses. Since this course is a prerequisite for all advanced art courses, it is strongly recommended that students enroll in this course during grade 9. Art majors will take Studio in Art to begin an Art sequence. This course may be used to meet the one unit New York State Arts requirement for graduation.	
Exploration of Crafts Course# 0918	Full Year – 1 Credit Grades 9 – 12
Prerequisite: None (Priority will be given to students who need to fulfill their fine arts credit.)	
“Exploration of Crafts” is a course designed to introduce students to materials and techniques used in traditional and contemporary crafts. This course focuses on developing an understanding of the cultural significance of ‘functional art.’ Students will gain an appreciation for the cultural roots of hand-crafted objects and learn about career opportunities and marketing outlets. “Exploration of Crafts” will incorporate various skill building with tools and techniques to demonstrate “craftsmanship.” Students will have the opportunity to create pieces such as handmade paper, weaving, mosaics, ceramics, paper-crafts, batik, print-making, woodworking and jewelry. This full year extensive course fulfills the New York State requirement in the Visual Arts.	

Advanced Art Courses

Please Note: Courses will be offered based on student enrollment.

AP® ADVANCED ART Course# 0913	Full Year – 1 Credit Grades 12 or Permission of Art Chairperson
Prerequisite: Studio in Painting OR at least 2 advanced art courses with teacher recommendation.	
This is a college level course with the focus on developing advanced skills and techniques. Students will investigate ideas and develop a unique body of work including various mediums and art styles. The course will focus on the three sections of the AP Advanced Art exam which includes; 18 pieces of artwork including; Quality, Breadth (demonstration of a wide range of experience) and Concentration (an in-depth, individual project.) Besides completion of the exam students will develop a senior show and project that will be donated to the school district. The AP exam cost is \$96. The Free/Reduced Lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	

Advanced Photography Course# 0909	Half Year – 1/2 Credit Grades 11 – 12
Prerequisite: Photography with a grade of 75 or higher.	
<p>Photography is ideal for the student who is considering a career in Photography or Visual/Graphic Arts. Emphasis is given to developing a critical sense of the visual language and students will further develop their own creative voice as they are encouraged to grow creatively. Areas of study include advanced dark room techniques while experimenting with texture, form, abstraction and light. The use of Digital Photography will be expanded in this course along with increased digital photo editing instruction. The work of well-known Photographers will be explored. Supplies are provided. Students who wish to go beyond the course requirements may need to purchase additional materials. Students must have their own SLR camera, 35mm film camera (a camera which permits manual adjustment of shutter speeds and apertures being ideal), and/or a Digital Camera. (Phone cameras cannot be accepted) for the course.</p>	
Advertising and Product Design Course# 0905	Half Year – 1/2 Credit Grades 11 – 12
Prerequisite: Exploration of Crafts II, or Drawing, or recommendation from previous year's art teacher.	
<p>This course develops the skills and principles necessary to function in the world of commercial art. Graphic Design is lucrative career that involves knowledge of the consumer art. Graphic Design is a lucrative career that involves knowledge of the consumer and the Adobe Creative Suite software. Students will focus on product design and marketing, and create the Yearbook Design, t-shirt logos, and a unique product of their choice.</p>	
Art Appreciation Course# 0904	Half Year – 1/2 Credit Grades 11 – 12
Prerequisite: None	
<p>Art Appreciation is open to Grades 11 and 12 for art majors and non-art majors, or History lovers. It is, however, strongly recommended that students who are planning a career in Art enroll in this course. It is the study of the influence various cultures have had on the artist and his product from ancient to modern times. Architectural, sculptural, pictorial arts, and the artist who produced them are surveyed. In addition to the study of painting and sculpture, prominent museums which house great master works are studied as well as historical monuments and sights of past cultures.</p>	
Exploration of Crafts II Course# 0919	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: Exploration of Crafts or recommendation from previous year's art teacher.	
<p>This course is designed to continue to introduce students to materials and techniques used in traditional and contemporary crafts. Students will utilize the skills learned in "Exploration of Crafts" and apply it to more advanced craft making such as silversmithing, leatherwork and garment making. They will also be introduced to the marketing components and current trends in product production. Students will be encouraged to take "Advertising and Product Design."</p>	
Fashion Design Course# 0915	Half Year – 1/2 Credit Grades 11 – 12
Prerequisite: Studio in Drawing or recommendation of previous year's instructor.	
<p>Through a series of theoretical and practical lessons, students will explore fashion design. Emphasizing innovation, creativity and technical skill; each student will study the historical development of fashion and use various materials to design and create fashion.</p>	

Fashion Design II Course# 0920	Half Year – 1/2 Credit Grades 11 – 12
<i>Prerequisite:</i> Fashion Design or recommendation of previous year's instructor.	
Fashion Design. Students will build upon their prior experiences in Fashion Design by researching current fashion styles and trends, design clothing and accessories, up-cycling clothing, utilize technology in fashion design, and explore career options in the industries. Simple sewing projects will be introduced, t-shirt design and accessories/garment construction will be produced by students. Part of the course requirements will be two work with students from Fashion Marketing to complete a culminating design/business plan for an original design.	
Illustration Course# 0914	Half Year – 1/2 Credit Grades 11 – 12
<i>Prerequisite:</i> Studio in Drawing	
Students will explore illustration as a means of communication. Drawing and design skills will be extended through the use of materials and techniques using illustrative components. Student focus will be on historical relationships between composition, design, color, and conceptualization.	
Photography Course# 0921	Full Year – 1 Credit Grades 10 – 12
<i>Prerequisite:</i> NYS Arts requirement in Art or Music.	
Photography is an introductory course open to all students who have completed the credit requirement in the Arts for graduation. Students will learn the fundamentals and technical skills of traditional black and white film photography. Areas of study include the history of photography, the science of capturing an image, and the workings of a film camera, focus and exposure. Students will create photographs, develop film, and enlarge negatives into black and white prints in a working darkroom. Students will learn about the photography of historic photographers and begin to talk critically about their work. The basics of digital photography will also be introduced in this course. Other areas of study include portraiture, natural and artificial lighting, landscapes, and the career opportunities in the field of Photography. Supplies are provided. Students must have their own 35mm film camera which permits manual adjustment of shutter speeds and apertures would be ideal.	
Portfolio Preparation Honors Course# 0910	Full Year – 1 Credit Grades 11 – 12 or Permission of Coordinator
<i>Prerequisite:</i> Recommendation from their Studio in Drawing or previous year instructor.	
This course is designed specifically for the students interested in going to college for visual arts or creative field. They should enter the class with a wide variety of art experiences. Students will be introduced to careers in the visual and technical areas. They will be encouraged to develop self-discipline and time management skills. Emphasis will be placed on mark making and developing skills in various types of mediums. Selected works will be properly prepared for portfolio preparation for application to variety of visual art schools. This course will prepare students for the AP Advanced Art exam.	
Studio in Ceramics Course# 0911	Half Year – 1/2 Credit Grades 10 – 12
<i>Prerequisite:</i> Studio in Art or Exploration of Crafts and recommendation of previous year's instructor.	
Studio in Ceramics is a one-semester course open to Grades 10-12. The scope of this course is that of total involvement in ceramics. Students are taught various methods of hand-building pottery as well as skills in wheel throwing. Contemporary forms in stoneware are designed and produced in class. Most decorative coloring (glazes) for the student projects are manufactured in class. The student, through experience, develops an appreciation for the potter as an artist.	

Studio in Drawing (College Credit Available) Course# 0902	Full Year – 1 Credit Grades 10 – 12
<i>Prerequisite:</i> Studio in Art or Exploration of Crafts and recommendation of previous year's instructor	
<p>Studio in Drawing is a full year elective course for Grades 10-12. It is strongly recommended that students enroll in this course in Grade 10. Students learn techniques and methods which will improve and refine their drawing skills. Drawing from life is stressed, as well as figure drawing. Emphasis is placed on accuracy of detail and realism. Proficiency and self-expression are encouraged through the following media: pencil, graphite, charcoal, pen and ink, and Conte' crayon. Students who plan to major in Art are strongly encouraged to take this course prior to taking other art electives.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through the Suffolk County Community College Beacon Program.</p>	
Studio in Sculpture Course# 0912	Half Year – 1/2 Credit Grades 10 – 12
<i>Prerequisite:</i> Studio in Art or Exploration of Crafts and recommendation of previous year's instructor.	
<p>This course will explore the elements and principals involved in the creation of art that is three dimensional. Sketching will be required, and works of art will be discussed. The course will focus on the design and creation of form in a variety of media. Students will work in plaster, stone, or clay.</p>	
Studio in Painting Course# 0903	Full Year – 1 Credit Grades 11 – 12
<i>Prerequisite:</i> Studio in Drawing, and recommendation of previous year's instructor	
<p>Studio in Painting is a full-year advanced course, with a concentration on the process and methods of painting. Students experience advanced use of color, light, composition with the main concentration on oil painting. Students are encouraged to develop their own approach and style to painting; individuality is encouraged.</p>	



Business Sequences

The William Floyd School of Business will enable you to prepare for college, help gain entry-level employment, and fulfill business-related personal responsibilities.

Courses are designed to provide a variety of options for students to meet elective requirements, while developing job and college-related skills.

Please Note: Students can only use this substitution after they have earned one (1) credit in World Language.

A 5-credit sequence in Business Education can be used as an alternative to the 3 credit World Language requirement for an Advanced Regents Diploma.



REQUIRED COURSES:

College & Career Prep (½ credit)

Personal Finance (½ Credit)

+

Four (4)

Additional Credits from **ANY** Business Courses

Business Academy Pathways

(Personal Finance is Recommended for All Business Pathways)

Recommended Courses for Career Fields of Interest

<i>Accounting</i>	<ul style="list-style-type: none">● Accounting● College Accounting● College Business Math● Virtual Enterprise● Wall Street
<i>Marketing</i>	<ul style="list-style-type: none">● Sports, Entertainment or Fashion Marketing● Business of Music, Sports, Entertainment, Fashion Marketing or College Business Math● Virtual Enterprise● #Social Media
<i>Entrepreneurship/Management</i>	<ul style="list-style-type: none">● Business Ownership and Management – College Business Math● Business Law● Virtual Enterprise● #Social Media● Everyday Law
<i>Technological Literacy</i>	<ul style="list-style-type: none">● Computer Applications & Advanced Computer Applications● Web Design● Video Game Design● Virtual Enterprise

Business Courses

Department Lead Teacher

Jackie Giacalone

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Foundation Courses

*Required for **ALL** Business Sequences & CTE Pathways/Programs*

Personal Finance Course# 0601 (Semester)/0602 (Alternate Days)	Half Year – 1/2 Credit Grades 9 – 12
Prerequisite: None	
This course is a must have for all students! Imagine someone gave you \$500...would you throw it away? Millions of people throw away their money by not managing their money properly. Learn how to spend wisely and make your money grow. You will learn how to manage your bank accounts, maintain good credit and even how to make your money work for you. Did you know prices are set a specific way to make you spend more money? Come learn all about this and more while you become financially savvy and secure.	
College & Career Prep Course# 0614 (Semester)/0615 (Alternate Days)	Half Year – 1/2 Credit Grades 9 – 12
Prerequisite: None	
What do you want to be when you grow up? It's never too early (or too late!) to explore your future! This class allows you to explore career options that match your interests, skills and personality. You will research colleges, majors and scholarship opportunities to prepare you for post-secondary education. Online tools will be used to research career paths and what it takes to pursue your chosen path. You will learn how to properly complete job applications, create resumes, cover letters, and develop skills to ace an interview to get the job you want! This is definitely a class to complete before graduation!	

Advanced Business Courses

Please Note: Courses will be offered based on student enrollment.

Accounting Course# 0603 <i>** This course may be used as a third math credit.</i>	Full Year – 1 Credit Grades 10 – 12
Prerequisite: None	
Accounting is not just for those who want to be accountants! Have you ever thought about starting your own business? If so, you need to know how to manage and record your finances. Have you ever thought about investing in a corporation (stocks and bonds)? If so, you need to know how a business reports its financial information as well as how to analyze this information! (College Accounting is also available for college credit for juniors and seniors). In addition, computer software used in the accounting field will be introduced (QuickBooks and Excel).	

College Accounting (College Credit Available) Course# 0613 <i>** This course may be used as a third math credit.</i>	Full Year – 1 Credit Grades 11 – 12
Prerequisite: None <p>This course provides college-level introduction to accounting, fulfilling the needs of those planning to major in any business field at the college level. In addition, computer software use in the accounting field will be introduced (QuickBooks and Excel).</p> <p>Students (Grades 11-12 only) will have the option of taking Accounting for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
Business of Music Course# 0632	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: None <p>Interested in the business side of the music industry? When you think ‘Music,’ don’t just think pop star--there are other careers to consider within the music industry. Want to know about these careers available in the industry? How does the music industry target various market segments and music genres? This course will explore the past, present, and future of the music industry as well as issues such as illegal downloading, censorship, copyrights, touring, and publishing. Case studies, analysis of current events, and research-based projects will be integrated throughout the course.</p>	
Business Ownership & Management (College Credit Available) Couse# 0610	Full Year – 1 Credit Grades 10 – 12
Prerequisite: None <p>Start your own business! Create a small business of your choice all the way from your business card to Grand Opening Day. This course is designed to provide students with a background in starting and managing a small business. Listen to local business owners share their success stories in class. Students will be taught the latest skills in etiquette and how to apply them in various business situations.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
College Business Law (College Credit Available) Course# 0608	Full Year – 1 Credit Grades 11 – 12
Prerequisite: None <p>Do you like winning arguments? Do you know your rights as a minor? Can you tell a real contract from a scam? In this course, we take law and emphasize how it isn’t just important for lawyers...it’s important for everyone!</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
College Business Math (College Credit Available) Course# 0639	Full Year – 1 Credit Grades 11 – 12
Prerequisite: None <p>The fundamentals of applied mathematics in the field of accounting finance, marketing, and selling. Topics include banking, insurance, investments, time, value of money, credit, and U.S. vs. foreign currency. The use of arithmetic as a managerial tool and Microsoft Excel is stressed.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	

Computer Applications (College Credit Available) Course# 0611	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: None	
<p>This is an ideal course for the college-bound student! College requires certain computer skills. This course will introduce you to how word processing, database, spreadsheet, and presentation skills are used as tools for success at the college level and, subsequently, at work. Students will learn how to add some 'pizzazz' to their documents and presentations. This is a great course to compliment Computer Know-How for College & Careers, College & Career Prep and prepares you for Advanced Computer Applications.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
Advanced Computer Applications (College Credit Available) Course# 0612	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: Computer Applications	
<p>This course will prepare you for MOS Certification! A Microsoft Office Specialist (MOS) is an individual who has certified his/her skills in one or more of the Microsoft Office/Desktop Applications. This certification could be a valuable asset in any job search or career advancement. Upon completion of this course, students should qualify to take the MOS exam in Word, Excel, PowerPoint, or Access.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
Entertainment Marketing (College Credit Available) Course# 0620	Full Year – 1 Credit Grades 10 – 12
Prerequisite: None	
<p>No matter what you find entertaining, marketing is a vital part of the industry! See how marketing influences people and how society is persuaded to spend their money! In this project-based class, you will create a new product, make advertisements, and design a new tourist attraction while applying marketing strategies learned in class. Students will also learn how marketers use colors and music to influence your spending. Come see how marketers get you interested in their products.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through the Suffolk County Community College Beacon Program.</p>	
Everyday Law Course# 0637	Half Year – 1/2 Credit Grades 9 – 12
Prerequisite: None	
<p>Have you ever thought your rights were being violated by your boss? Not sure if you are being scammed by cybercriminal? Have you ever read a warranty and realized it protects the company you bought the product from more than it protects you? If so, this is the class for you! Everyday Law provides an overview of common legal issues/questions. Students will learn about legal implications in everyday transactions such as buying products, using warranties, getting a job, cyber law and e-commerce, borrowing items from your neighbors, losing your luggage on a flight and finding a lost wallet. In addition, we will spend time on ethical issues and on developing some critical thinking skills along with conducting research on actual court cases that impact our everyday lives.</p>	

Fashion Marketing (College Credit Available) Course# 0629	Full Year – 1 Credit Grades 10 – 12
Prerequisite: None	
<p>If you're interested in clothing and fashion trends, then this is the course for you! You will learn principles of marketing and be able to apply them to the fashion/apparel and accessories industry. Analyze the marketing strategies of Ralph Lauren, Michael Kors, and Versace. Become well-versed in designer accessory terminology and explore various retail store layouts. Explore the psychology of promoting and selling in the fashion industry. Students will research fashion change through the decades and create and design their own retail stores, window displays, shopping bags, and so much more.</p> <p>Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University and the Suffolk County Community College Beacon Program.</p>	
International Business Course# 0640	Half Year – 1/2 Credit Grades 11 – 12
Corequisite: International Business in Spanish	
<p>Are you interested in a global career? Do you see yourself in another country? Then this is the class for you. With this cross curricular course, students will have the ability to learn the skills and tools necessary to be a 21st Century global market employee. Topics and projects discussed and created in this business course, would be used and dissected using Spanish in the Spanish for the Careers course.</p>	
Leadership by Design Course# 0641	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: None	
<p>If you are a confident and persuasive individual, then you should start your journey here. You will learn the importance of networking and mentors, the power of outstanding presentation skills, business etiquette and professionalism, effective communication skills, and the tools you will need to be a 21st Century employee. You will have a competitive advantage when entering the workforce.</p>	
Math Applications Course# 0609 <i>** This course may be used as a third math credit.</i>	Full Year – 1 Credit Grades 11 – 12
Prerequisite: None	
<p>This course will provide a foundational understanding for making informed personal financial decisions. You will learn how businesses use math to calculate store discounts, sales commissions, interest, taxes and depreciation. Utilizing Microsoft Excel will enable students to understand financial planning and business calculations that pertain to their lives. Emphasis is placed upon learning mathematical concepts through practical application to common business problems and personal finance.</p>	
#Social Media Course# 0638	Half Year – 1/2 Credit Grades 11 – 12
Prerequisite: None	
<p>Social media has become a major trend today! Social media is a vital component of the success of many marketing campaigns. With content fueling your social marketing, we have arrived at the age of truly integrated marketing strategy, and it's being led by a new breed of marketers. It has changed the way we communicate and conduct business. It could be a useful tool or can destroy your chances for employment. Facebook, blogging, texting, tweeting on social media is real writing-learn how to use this powerful tool to your advantage. We will also explore how business uses this as an advertising tool and the impact it has on consumer decision making.</p>	

Sports Marketing Course# 0622	Full Year – 1 Credit Grades 9 – 12
Prerequisite: None	
<p>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 become the next George Steinbrenner or Jerry Jones by creating their own franchise—from designing the team’s uniform to building a stadium.</p>	
Video Game Design Course# 0616	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: None	
<p>Want to gain experience in the growing video game industry? This course provides an introduction to computer programming for students with no previous programming experience. You will have the opportunity to research potential career opportunities in the gaming field as well as learn how to design, develop and market video games. Using the program Alice, as a tool that enables computer novices to create computer animations using a drag-and-drop interface, you will skip the initial frustrations normally associated with learning how to program computers. Topics include simple data types, control structures; an introduction to array and string data structures and algorithms; recursion; and event driven-programming.</p>	
Virtual Enterprise (College Credit Available) Course# 0628	Full Year – 1 Credit Grades 11 – 12
Prerequisite: MUST have taken at LEAST one of the following courses - Accounting, College Accounting, Business Ownership, Web Design, or any Marketing class.	
<p>Are you ready to manage an on-line business and compete with over 7500 “virtual businesses” around the world? Virtual Enterprises (VE) is a simulated business that is created and run by students. This program allows students to experience all facets of being an employee in an actual business environment. Students are involved in every aspect of running a business, including human resources, accounting, marketing and sales. In Virtual Enterprise you will conduct business with other virtual businesses, attend a trade show in New York City, and enter competitions!</p> <p style="text-align: center;">Students (Grades 11-12 only) will have the option of taking this course for 3 college credits through Farmingdale State University.</p>	
Wall Street Course# 0636	Half Year – 1/2 Credit Grades 11 – 12
Prerequisite: None	
<p>Imagine yourself being able to achieve all your dreams! This course will give you the opportunity to explore investment opportunities. Students will develop an introductory knowledge of the stock market (the ABC’s of investing). We will also discuss stocks, mutual funds and 401(k) plans as retirement options. The use of current events is stressed. This knowledge is applied to the challenges of investing. Students will relate how economic and business principles affect investments through guest speakers, a stock market contest, and classroom activities.</p>	

Wealth Management Course# 0642	Half Year – 1/2 Credit Grades 11 – 12
<i>Prerequisite: Personal Finance</i>	
If you enjoyed Personal Finance then you'll love this course. This course will help you conquer the fear of financial pitfalls in your future. The topics discussed in this course are: advanced investments, credit, and debt and college expenses. Start your adulthood with financial freedom and have an advantage over the typical teenager.	
Web Design Course# 0624	Half Year – 1/2 Credit Grades 10 – 12
<i>Prerequisite: None</i>	
How would you like to communicate with the world? Whether you are a business with services to sell or an individual with a story to share, you can publish any kind of information on the World Wide Web. This course will teach you how to create simple web pages from scratch using Dreamweaver CC. You will also learn how to design creative web pages using Photoshop CC.	

Computer Science Courses

Department Chairperson

Joseph Coleman

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Pathway	10 th Grade	11 th Grade	12 th Grade
General	Intro to Computer Science (MUST be taking Intro to Algebra II or above concurrently)	Intro to Computer Science or AP® Computer Science Principles	AP® Computer Science A
Advanced	AP® Computer Science Principles AP® Computer Science A by Recommendation Only (MUST be taking Algebra II Concurrently)	AP® Computer Science Principles or AP® Computer Science A	AP® Computer Science A or other elective

Introduction to Computer Science Course# 0334 <i>** This course may be used as a third math credit.</i>	Full Year – 1 Credit Grade 10 – 12
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Prerequisite: Introduction to Algebra II or above

This one year course for students in Grades 10 -12 will run from September to June with students taking a midterm exam in January and a final examination in June. This course is intended as an introduction to computer science and computer programming. No prior computer programming experience is necessary for students enrolling in the course. This course serves as a foundation for computational problem solving, and as a solid base and stepping stone to those students who wish to explore a major in Computer Science. It is a framework for understanding the computer's applications, role, and impact on society. In addition, the course provides students with the skills necessary to apply the elements of computer programming and the fundamental concepts of computer science to develop, design, code, test, and execute a computer program.

AP® Computer Science Principles Course# 0336	Full Year – 1 Credit Grade 10 – 12
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Prerequisite: Introduction to Computer Science OR Algebra II (10th graders must be enrolled in the Algebra II course concurrently.)

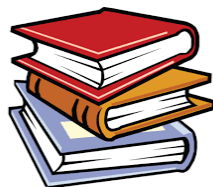
This course introduces students to the central ideas of computer science and develops the ideas and practices of computational thinking. The course emphasizes the impact advances in computing have on people and society. Students investigate computational innovations, examine the ethical implications of new technologies, and develop computational artifacts using the same creative processes artists, writers, computer scientists, and engineers use to bring ideas to life. **ALL STUDENTS ARE EXPECTED TO TAKE THE ADVANCED PLACEMENT EXAMINATION AT THE END OF THIS COURSE and SUBMIT BOTH PERFORMANCE TASKS. The AP Exam cost is \$96. The Free/Reduced Lunch cost is \$53. These costs are subject to change as per federal and state guidelines.**

AP® Computer Science A Course# 0316	Full Year – 1 Credit Grade 11 – 12
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Prerequisite: AP Computer Science Principles or Teacher Recommendation

Recommended Coursework: Algebra II or Precalculus or AP Calculus Prep

This course is designed as an equivalent of a first semester college course in Computer Science. Course content includes: An emphasis on problem solving and algorithm development with object- oriented programming methodology, utilizing the Java programming language. It also includes the study of data structures and abstraction. **ALL STUDENTS ARE EXPECTED TO TAKE THE ADVANCED PLACEMENT EXAMINATION AT THE END OF THIS COURSE. The AP Exam cost is \$96. The Free/Reduced Lunch cost is \$53. These costs are subject to change as per federal and state guidelines.**



English Courses

Department Chairperson

Viveca Nargi

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Four (4) years of English is the required for graduation

Level	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Regents	English 9	English 10	English 11	Electives (MUST take 1 Credit)
Honors	English 9 Honors	English 10 Honors	AP® English Language & Composition	AP® English Literature & Composition

***All students are encouraged to participate in the District/Community Library Summer Reading Program*

English 9 Course# 0101	Full Year - 1 Credit Grade 9
Prerequisite: None	
This course provides basic instruction in composition, literature, and vocabulary building through a standards rich curriculum. Major units of study in literature include <i>Romeo & Juliet</i> , poetry and modern short stories. Students are expected to build a background in literature and non-fiction texts while focusing on the skills of reading, writing, listening and speaking. This course will prepare students for the New York State English Regents to be taken in Grade 11.	
English 9 Honors Course# 0102	Full Year - 1 Credit Grade 9
Prerequisite: Teacher recommendation and proficiency on an entrance assessment.	
This course focuses on close reading and analysis of complex literary and informational texts by training students to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains readers to appreciate authors' sometimes-subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students focus on crafting complex sentences, producing well-organized paragraphs, and writing more sophisticated, longer-form analyses. This course will prepare students for the New York State English Regents to be taken in Grade 11.	
English 10 Course# 0103	Full Year - 1 Credit Grade 10
Prerequisite: English 9	
This course is designed to further expand the standards-based skills developed in Grade 9. Composition and literary analysis skills will be emphasized. In literature, <i>Macbeth</i> , poetry, and modern short stories and novels are studied. Students will also read and analyze original documents of an interdisciplinary nature. The course will prepare students for the New York State English Regents to be taken in Grade 11.	

English 10 Honors Course# 0104	Full Year – 1 Credit Grade 10
<i>Prerequisite: Teacher recommendation and proficiency on an entrance assessment.</i>	
This course builds on the foundations of the English 9 Honors course, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. Students will be required to apply the fundamental routines of close observation, critical analysis, and appreciation of author’s craft to a new host of nonfiction and literary texts. As readers, students will develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion. This course will prepare students for the New York State English Regents to be taken in Grade 11.	
English 11 Course# 0105	Full Year – 1 Credit Grade 11
<i>Prerequisite: English 10</i>	
This course offers students the opportunity to comprehend, analyze, evaluate, and communicate complex information in preparation for the Regents in English Language Arts. A student must pass the NYS Regents exam to satisfy the state requirements for a high school diploma. Emphasis in composition includes the literary analysis essay, persuasive essay, and the critical and evaluative essays. Emphasis in literature is on nonfiction texts, poetry, Shakespearean drama, and American novels and plays.	
AP® English Language & Composition Course# 0117	Full Year – 1 Credit Grade 11
<i>Prerequisite: Pass English 10 Honors with at least an 85 or English 10 with at least a 90. Students must receive a teacher recommendation and a passing grade on entrance exam.</i>	
This course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts from a range of disciplines and historical periods. All students are expected to take the Advanced Placement examination offered in May, as well as the New York State English Regents exam. The AP Exam cost is \$96. The Free/Reduce Lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	
<p style="text-align: center;"><u>12th Grade English</u> <i>(Must take 1 credit)</i> <i>Please Note: All 12th Grade English Electives will be offered based on student enrollment.</i></p>	
AP® English Literature and Composition Course# 0118	Full Year – 1 Credit Grade 12
<i>Prerequisite: Pass AP English Language and Composition with at least an 85 or English 11 with at least a 90. Students must receive a teacher recommendation and a passing grade on entrance exam.</i>	
This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. All students are expected to take the Advanced Placement examination offered in May. The AP Exam cost is \$96. The Free/Reduce Lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	

Career Minded Writing A Course# 0122a	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: English 11</i>	
This is the first semester of a two-semester course which focuses on the importance of developing essential 21 st century communication skills. This course emphasizes reading, writing and presentation in a variety of real-world business, professional and technical contexts. Required readings will include business and trade magazines, technical journals, and contemporary nonfiction texts.	
Career Minded Writing B Course# 0122b	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: 0122a</i>	
This is the second semester of a two-semester course which focuses on the importance of developing essential 21 st century communication skills. This course emphasizes reading, writing and presentation in a variety of real-world business, professional and technical contexts. Required readings will include business and trade magazines, technical journals, and contemporary nonfiction texts.	
Children’s Literature Through the Ages Course# 0113	Half Year – 1/2 Credit Grade 12 Spring Elective
<i>Prerequisite: English 12 Fall Elective</i>	
This course explores the development of literature written especially for young children and adolescents as it has progressed from the oral traditions of the early middle ages to the contemporary children’s book. The course includes the study of folklore, fantasy, realistic and historical fiction, poetry and picture books. Texts are explored and synthesized through multiple perspectives.	
Contemporary Literature and Composition A Course# 0109a	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: English 11</i>	
This is the first semester of a two-semester course designed to introduce students to a variety of literary genres as well as the skills needed for successful public speaking. The course includes a focus on building the literacy and research skills necessary to compose a well- reasoned and properly cited research paper. The course also focuses on building the literacy skills necessary for college level analysis of modern poetry and short fiction. Woven into each unit is continued training in effective prose writing that requires students to demonstrate maturity in thought and style.	
Contemporary Literature and Composition B Course# 0109b	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: Contemporary Literature and Composition 0109a</i>	
This is the second semester of Contemporary Literature and Composition, which continues to introduce students to a variety of literary genres as well as the skills needed for successful public speaking. The course includes a focus on building the literacy, research and presentation skills necessary to hold a well-reasoned debate. The course also focuses on building the literacy skills necessary for college level analysis of modern novels. Woven into each unit of study is continued training in effective prose writing that requires students to demonstrate maturity in thought and style.	

Creative Writing Course# 0114	Half Year – 1/2 Credit Grade 12 Fall Elective
<i>Prerequisite: English 11</i>	
This course will use the traditional writing workshop format to foster student skills in writing short fiction, poetry, and creative nonfiction. There will be an emphasis on class discussions of student work, as well as critical reading and study of classical and contemporary writers. This course will use peer evaluations to foster student skills in writing. In addition, the course will strive to integrate guest speakers and lectures from the surrounding academic and art communities.	
English 12A Course# 0123a	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: English 11</i>	
This is the first semester of a two-semester course designed to support the development of strategic reading and writing skills. This course uses a contemporary approach, including exploration of high-interest topics and analysis of real world texts, to motivate students and expose them to effective instructional principles. Coursework encompasses a set of literacy expectations that will enable students to comprehend, analyze, evaluate, and communicate complex information.	
English 12B Course# 0123b	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: English 12A</i>	
This is the second semester of English 12, which continues to prepare students for the literacy demands of college and career. This course uses a contemporary approach, including exploration of high-interest topics and analysis of real world texts, to motivate students and expose them to effective instructional principles. Coursework encompasses a set of literacy expectations that will enable students to comprehend, analyze, evaluate, and communicate complex information.	
Heroes, Myths, and Legends Course# 0124F	Half Year – 1/2 Credit Grade 12 Fall Elective
<i>Prerequisite: English 11</i>	
This is course is designed to introduce, explore and examine the origins, universality, and enduring significance of heroic myths and legends that have helped humans make sense of their world and shape their societies. This course will employ cross cultural analysis of diverse texts in multiple mediums in order to consider the commonalities embedded in the heroic cycle as well as the human experience.	
Science Fiction and Fantasy Course# 0125S	Half Year – 1/2 Credit Grade 12 Spring Elective
<i>Prerequisite: English 12 Fall Elective</i>	
This course will focus on science fiction and fantasy as genres that blend literary art with scientific and philosophical speculation. This course is designed to introduce and explore the roots of and needs for classic science fiction and fantasy as well modern works in these genres. The course requires students to analyze the common themes of various texts that posit alternate or eventual allegorical realities in order to comment on enduring and complex societal issues.	

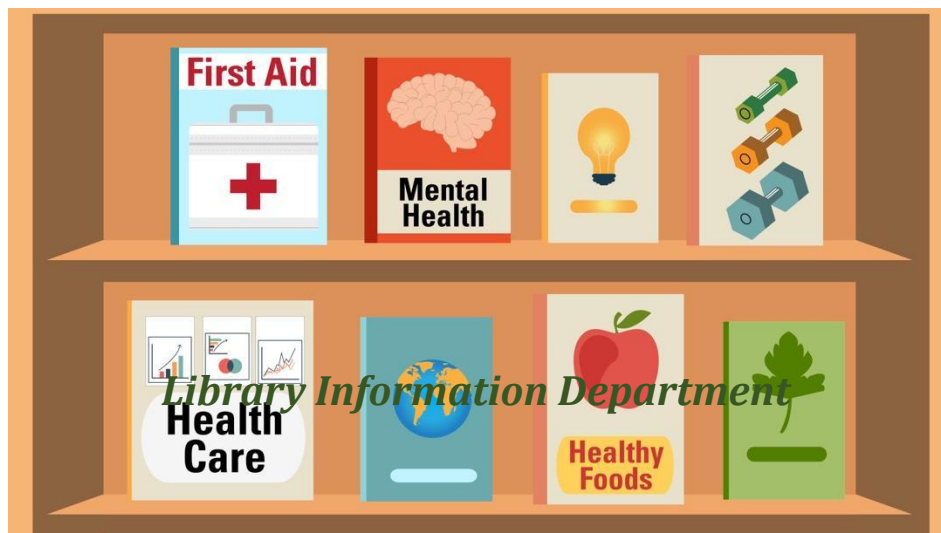
Survey of British Literature A Course# 0108a	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: English 11</i>	
<p>This is the first semester of a two-semester course designed to introduce students to a variety of literary genres as well as the skills needed for successful public speaking. Areas of study include an introduction to the foundations of literature, which will begin with a focus on Sophocles' Oedipus trilogy. Study of literature from the classical era is followed by critical analysis of the Anglo-Saxon epic Beowulf and then shifts to a study of literature from the Medieval era. Students will develop knowledge of the religious, political and social aspects of British society through the literature studied as they build the literacy skills necessary for college level reading, writing, listening and speaking. Embedded into each unit of study is focused training in effective prose writing that requires students to demonstrate maturity in thought and style.</p>	
Survey of British Literature B Course# 0108b	Half Year – 1/2 Credit Grade 12 Elective
<i>Prerequisite: Survey of British Literature A</i>	
<p>This is the second semester of Survey of British Literature, which is designed to introduce students to a variety of literary genres as well as the skills needed for successful public speaking. Areas of study include critical analysis of British literature from the Renaissance Era through the Restoration period. Students will develop knowledge of the religious, political and social aspects of British society through the literature studied as they build the literacy skills necessary for college level reading, writing, listening and speaking. Embedded into each unit of study is focused training in effective prose writing that requires students to demonstrate maturity in thought and style.</p>	
Writing for Public Speaking (NEW COURSE) Course# 0128	Half Year – 1/2 Credit Grade 12
<i>Prerequisite: English 11</i>	
<p>Public speaking is the art of using words to share information with an audience. It includes speaking to audiences of any size, from a handful of seminar participants to millions of people watching on television. When students watch celebrities, politicians, business leaders, or other public figures speak on television or in public, they may mistake impactful speaking for innate talent. While it is true that some individuals are natural orators, most effective public speakers train for success. The guiding idea behind this course is that developing and mastering public speaking requires the study of effective models, progression through the writing process, and the exchange of feedback.</p>	

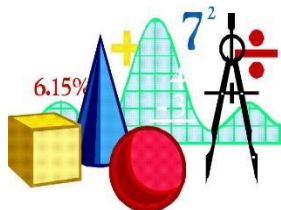
Health Department

Department Chairperson

Pete Friedman
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Health Education	1801 Half Year – 1/2 Credit 1802 Alternate Day Full Year – 1/2 Credit Grades 9 – 12
<i>Required Course for Graduation (SENIORS receive first priority)</i>	
The goal of this twenty-week course is designed to meet the New York State graduation requirement and provide health knowledge and skills to promote health- enhancing behaviors in order to reduce health risks. The curriculum addresses health issues facing society today. Mental Health, Drugs; Alcohol and Tobacco Prevention Education, Community Health, Family Life Education, and Disease and Disorders are focused on specifically.	
Introduction to Medicine Course# 1808	Half Year – 1/2 Credit Grades 10 – 12
<i>Prerequisite: Health Education</i>	
This course will begin with offering students National Certification in First Aid, CPR and use of the AED. The course will then progress to an introduction in Gross Anatomy, Physiology, Kinesiology, Exercise Science and end with introduction to the Medical Professions. Students in this program may qualify for college credit.	





Mathematics Courses

Department Chairperson

Joseph Coleman

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A MINIMUM of three (3) years of Mathematics is required for graduation.

ALL students will take **Algebra I** in **8th Grade** then follow one of the sequences shown below.

Level	9th Grade	10th Grade	11th Grade	12th Grade
Regents	Intro to Geometry	Geometry or Intro to Algebra II	Intro to Algebra II or Algebra II or Math Elective	Algebra II or Elective
	Geometry	Intro to Algebra II or Algebra II	Algebra II or Precalculus or Math Elective	Calculus Honors or AP® Calculus AB or Elective
Advanced Regents	Geometry	Algebra II	Precalculus or Math Elective	Calculus Honors or AP® Calculus AB or Math Elective
Honors <i>(for students who took Algebra I Honors in 8th Grade)</i>	Geometry Honors	Algebra II Honors	AP Calculus Prep	AP® Calculus AB or AP® Calculus BC

Algebra I Grade 9 Course# 0325 Grades 10-12 Course# 0323	Full Year – 1 Credit
Prerequisite: None <p>This one-year course will run from September to June, with students taking a midterm exam in January and the Algebra I Regents in June. Algebra 1 is designed to give students a foundation for all future mathematics courses. The fundamentals of algebraic problem-solving are explained. Students will explore: foundations of Algebra, solving equations, solving inequalities, an introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, and data analysis and probability. Upon successful completion of the Algebra curriculum, students will go on to a Geometry course.</p>	
Geometry Grade 9 Course# 0328 Grades 10-12 Course# 0326	Full Year – 1 Credit
Prerequisite: Algebra I <p>This one-year course will run from September to June with students taking a midterm exam in January and the Geometry Regents in June. The units covered in this course are: Congruence, Proofs and Constructions, Similarity Proof and Trigonometry, Extending to Three Dimensions, Connecting Algebra and Geometry through Coordinates, Circles with and without Coordinates and Application of Probability. Upon successful completion, the students will go on to Algebra II or Introduction to Algebra II.</p>	

Geometry 9 Honors Course# 0322	Full Year – 1 Credit Grade 9
<i>Prerequisite: Teacher recommendation and passing Algebra I regents exam with an 85 or better.</i>	
This one-year course will run from September to June with students taking the Geometry Regents in June in addition to an honors midterm examination in January. The topics that will be covered in this course are: Shapes, Geometric Relationships, Transformational and Coordinate Geometry, Constructions, Locus, Informal and Formal Proofs, Number Sense and Operations, Measurement, and Algebra. Upon successful completion of Geometry Honors, students will go on to Algebra II Honors.	
Introduction to Geometry Grade 9 Course# 0333 Grades 10-12 Course# 0327	Full Year – 1 Credit
<i>Prerequisite: Algebra I</i>	
This one-year course will run from September to June, with students taking a midterm and a final exam in June. It is designed to give students an introduction to the Geometry topics they will see the following year to give them a solid foundation to build upon in order to be successful in the Geometry course. Upon successful completion of this course, students will go on to Geometry or Statistics.	
Introduction to Algebra II Course# 0308	Full Year – 1 Credit Grade 10 – 12
<i>Prerequisite: Introduction to Geometry or Geometry</i>	
This one-year course will run from September to June, with students taking a midterm in January and a final exam in June. The topics covered in this course are Polynomials, Rational Numbers, Real Numbers and Radicals, Relations and Functions, Quadratic Functions, Complex numbers, Sequences and Series, and Exponential and Logarithmic Functions. Upon successful completion of this course, students will go on to Algebra II.	
Algebra II Course# 0329	Full Year – 1 Credit Grade 10 – 12
<i>Prerequisite: Geometry or Introduction to Algebra II with teacher recommendation.</i>	
This one-year course will run from September to June, with students taking a midterm exam in January and the Algebra II Regents in June. The units that will be covered in this course are: Polynomials, Rational expressions, Radicals, Trigonometric Functions, Modeling with Functions, and Making Inferences and Conclusions with Data. Upon successful completion of Algebra II, students will go on to Precalculus.	
Algebra II Honors Course# 0330	Full Year – 1 Credit Grade 10
<i>Prerequisite: Teacher recommendation and passing Geometry regents exam with an 85 or better.</i>	
This one-year course will run from September to June, with students taking a midterm exam in January and the Algebra II Regents in June. The units that will be covered in this course are: Polynomials, Rational expressions, Radicals, Trigonometric Functions, Modeling with Functions, and Making Inferences and Conclusions with Data.	
Statistics Course# 0310 <i>** This course may be used as a third math credit</i>	Full Year – 1 Credit Grade 11 – 12
<i>Prerequisite: None</i>	
This course may be used as a third year of mathematics required for graduation. This course is for students interested in Social Sciences, Health Sciences, Business, and Industry. Course content includes: Sample Space, Statistical Models, Binomial and Normal Distribution, T-Distribution, and Chi-Square Distribution.	

College Statistics (College Credit Available) Course# 0310C	Full Year – 1 Credit Grade 11-12
Prerequisite: Algebra II	
<p>This course is designed to be a first-year, college-level course in Statistics for students interested in Social Sciences, Health Sciences, Business, and Industry. Course content includes: Sample Space, Statistical Models, Binomial and Normal Distribution, T-Distribution, and Chi-Square Distribution.</p> <p>Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.</p>	
Math for the College Bound Course# 0317 <i>** This course may be used as a third math credit</i>	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Introduction to Algebra II	
<p>This one-year course will run from September to June, with students taking a midterm exam in January and a final exam in June. This course is designed to help students prepare for college math placement exams including SAT prep. Topics to be covered include Integers, Rational/Irrational Numbers, Properties of Real Numbers, Basic and Advanced Algebra, Problem Solving, and some Precalculus topics.</p>	
Precalculus (College Credit Available) Course# 0318	Full Year – 1 Credit Grade 11-12
Prerequisite: Algebra II	
<p>This course content includes selected topics in Advanced Algebra, Function Relationships and Analysis, Exponential and Logarithmic Functions, Trigonometric Functions, Graphs, and Equations, Conics, Polar Coordinates, and Matrices. Students will take a departmental midterm in January and final in June. Upon successful completion of this course, students will go onto Calculus or AP Calculus AB (by teacher recommendation only).</p> <p>Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.</p>	
AP Calculus Prep Course# 0319	Full Year – 1 Credit Grade 11
Prerequisite: Teacher recommendation and passing Algebra II regents exam with an 85 or better.	
<p>This is an AP Calculus BC prep course that is designed to help students develop the skills needed to be successful on the AP exam they will take the following year. Topics include Advanced Algebra, Exponential and Logarithmic Functions, Trigonometry, Polars and Parametrics, Limits, Continuity, Differentiation and its Applications, and an introduction to Integration. Upon the successful completion of this course, students will go on to AP Calculus BC, AB, or Non-AP Calculus.</p>	
Calculus Honors (College Credit Available) Course# 0321	Full Year – 1 Credit Grade 12
Prerequisite: Precalculus or AP Calculus Prep	
<p>This course is designed to be a first year, college level course in Calculus. Course content includes: Cartesian Coordinates, Equations of Curves, Derivatives of a Function, Differentiation of Algebraic Functions, Ratios and Differentials, Indefinite Integrals, Definite Integrals, Application of the Fundamental Theorem, Extreme Values, Exponential and Log Functions, Trigonometric Functions, the Mean Value Theorem, Integration of Standard forms, and Polar Coordinates.</p> <p>Students will have the option of taking this course for college credits through the St. John's College Advantage Program.</p>	

AP® CALCULUS AB Course# 0320	Full Year – 1 Credit Grade 12
Prerequisite: Precalculus with teacher recommendation or AP Calculus Prep	
<p>This course is intended to prepare students for the Advance Placement examination which is given in May. It is the equivalent of taking a first semester Calculus course in college. Topics include: Limits, Derivatives of Functions, Applications of the Derivative, Indefinite Integrals, Definite Integrals, Application of the Fundamental Theorem, The Mean Value Theorem, Applications of Integration, and Area and Volume of Solids of Revolution. ALL STUDENTS ARE EXPECTED TO TAKE THE ADVANCED PLACEMENT EXAMINATION AT THE END OF THIS COURSE. The AP Exam cost is \$96. The Free/Reduced Lunch cost is \$53. <i>These costs are subject to change as per federal and state guidelines.</i></p>	
AP® CALCULUS BC Course# 0320BC	Full Year – 1 Credit Grade 12
Prerequisite: AP Calculus Prep with teacher recommendation	
<p>This course is intended to prepare students for the Advanced Placement examination, which is given in May. It is the equivalent of taking two semesters of Calculus in college. This course covers all the topics in AP Calculus AB with the addition of Integration by Parts and with Partial Fractions, Improper Integrals, Polar and Parametric Derivatives and Applications, Series Convergence Tests, and Taylor/Maclaurin Series. ALL STUDENTS ARE EXPECTED TO TAKE THE ADVANCED PLACEMENT EXAMINATION AT THE END OF THIS COURSE. The AP Exam cost is \$96. The Free/Reduced Lunch cost is \$53. <i>These costs are subject to change as per federal and state guidelines.</i></p>	



Music Courses

Department Chairperson

Amy Sckipp

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One (1) Fine Arts credit is required for graduation

Concert Band Course# 1001	Full Year – 1 Credit Grade 9 – 10
<i>Prerequisite: Recommendation from previous year's instructor</i>	
The Concert Band is the course for all wind instrument players and percussionists entering their first year in the high school band program. Students will learn rehearsal and performance fundamentals while studying Level IV concert band literature as outlined in the New York State School Music Association manual. Students are required to perform at local concerts and participate in the annual NYSSMA Major Organization Festival. A weekly lesson is also required of all band members. This course may be used to meet the one unit New York State Arts requirement for graduation	
Wind Symphony Course# 1003	Full Year – 1 Credit Grade 11 – 12
<i>Prerequisite: Recommendation from previous year's instructor</i>	
Membership is by audition and recommendation of the previous year's instructor. The Wind Ensemble is the course for all 10th, 11th, and 12th grade wind instrument players and percussionists who desire to learn advanced rehearsal and performance techniques while studying Level VI concert band literature as outlined in the New York State School Music Association manual. Students are required to perform at local concerts and participate in the annual NYSSMA Major Organization Festival. A weekly lesson is also required of all band members.	
Concert Orchestra Course# 1016	Full Year – 1 Credit Grade 9 – 10
<i>Prerequisite: Recommendation from previous year's instructor</i>	
Concert Orchestra is the course for all string instrument players entering the 9th and 10th grades in the high school orchestra program. Students will learn rehearsal and performance techniques while studying level IV and V concert orchestra literature as outlined in the New York State School Music Association manual. Students are required to perform at local concerts and participate in the annual NYSSMA Major Organization Festival. A weekly lesson is also required of all orchestra members. This course may be used to meet the one unit New York State Arts requirement for graduation.	
Symphonic Orchestra Course# 1004	Full Year – 1 Credit Grade 11 – 12
<i>Prerequisite: Recommendation from previous year's instructor</i>	
Symphonic Orchestra is the course for all string instrument players entering 11th and 12th grades in the high school orchestra program. Students will learn rehearsal and performance techniques and be required to learn solos. Repertoire is chosen from Level V and VI concert orchestra literature as outlined in the New York State School Music Association manual. Students are required to perform at local concerts and participate in the annual NYSSMA Major Organization Festival. A weekly lesson is also required of all orchestra members.	

Concert Choir Course# 1006	Full Year – 1 Credit Boys Grade 9 – 12 and Girls Grades 11-12
Prerequisite: Recommendation from previous year's instructor	
The <i>William Floyd Concert Choir</i> explores and performs vocal music from all ages and styles. Students are required to attend a weekly voice lesson in order to improve skills and learn solo repertoire. Students will have an opportunity to be selected to audition for participation in the various All-County, All-State and All-Eastern choruses. Attendance at the following functions is required: Winter and Spring Concerts, NYSSMA Major Organization, and other public performances (notification one month prior to event).	
High School Chorale Course# 1005	Full Year – 1 Credit Grade 9 – 10
Prerequisite: Recommendation from previous year's instructor	
The William Floyd Women's Choir explores and performs vocal music from all ages and styles. Students are required to attend a weekly voice lesson in order to improve skills and learn solo repertoire. Students will have an opportunity to be selected to audition for participation in the various All-County, All-State, and All-Eastern choruses. Attendance at the following functions is required: Winter and Spring Concerts, NYSSMA Major Organization, and other public performances (notification one month prior to event).	
Guitar Ensemble 1 Course# 1037 (Grade 9); 1038 (Grades 10-12)	Full Year – 1 Credit Grade 9 – 12
Prerequisite: None	
Students can be enrolled upon recommendation of the Middle School General Music Teacher/Middle School Guidance Counselor/High School Teacher/High School Guidance Counselor. This course is designed for beginning guitar players who wish to understand the fundamentals of music and performance through the guitar in connection with the NYS Learning Arts Standards. Prior instruction is not required. Basic skills such as chord strumming, tablature notation, improvisation, song performance, melody/riff playing and ensemble playing will be covered. Students will be provided an electric guitar, amplifier and necessary accessories.	
Guitar Ensemble 2 Course# 1039	Full Year – 1 Credit Grade 10 – 12
Prerequisite: Guitar Ensemble 1 or students with previous guitar experience demonstrating skills outlined in Guitar Ensemble 1 by instructor audition.	
Guitar Ensemble 2 will continue to build upon the necessary skills and concepts for the intermediate guitarist. Students will continue through guitar performance their understanding of the fundamentals of music in relation with the NYS Learning Arts Standards. Further refinement of chords, chord progressions, tablature, melody reading and improvisational (soloing) skills in song performance to develop as proficient guitar players is the overriding goal. Students will be provided an electric guitar, amplifier and necessary accessories.	
Music Theory I (College Credit Available) Course# 1007	Full Year – 1 Credit Grade 10 – 12
Prerequisite: A basic understanding of staff notation and participation in one of the performing groups (orchestra, band and chorus).	
This course is designed for students who are considering studying music beyond high school or those who have a sincere desire to study the structure of music in more detail. This course will introduce students to the basic rudiments of music theory. Major and minor scales, rhythmic and pitch notation, key signatures, intervals and triads will be studied. Class activities will include sight singing and dictation. Compositions of melodic and rhythmic speaking pieces will be explored. This course is strongly recommended for students planning to study music in college for a career in music.	
Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.	

Music Theory II (College Credit Available) Course# 1008	Full Year – 1 Credit Grade 11 – 12
<i>Prerequisite: Successful completion of Music Theory I or a successful challenge of Music Theory I.</i>	
Theory II is a course which explores intermediate levels of study in harmonic and melodic analysis, counterpoint, as well as continued development of sight singing and dictation skills. Keyboard activities will be included where appropriate to the topic. A composition in four-part texture will be explored. This course is strongly recommended for students planning to study music in college for a career in music.	
Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.	
Music Theory III – Advanced Placement (AP®) (College Credit Available) Course# 1009	Full Year – 1 Credit Grade 11 – 12
<i>Prerequisite: Successful completion of Music Theory II or a successful challenge of Music Theory II.</i>	
Theory III-Advanced Placement is a course which explores advanced, college-level study in melodic, harmonic, and rhythmic analysis, counterpoint, secondary dominants, modulation, transposition, figured bass, realization, harmonization of a melody, score reading, instrumental and vocal voice leading and composition, as well as further development of sight singing and dictation skills. Keyboard skills will be further developed as will composition in four-part texture. Students in this course will be exposed to a level of study suitable for the Advanced Placement Exam and may elect to take the exam at the commencement of the course. This course is strongly recommended for students planning to study music in college for a career in music.	
Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.	
Piano I (College Credit Available) Course# 1010	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite: None</i>	
Piano I is open to all students and recommended for all music majors. This course is designed to teach fundamental keyboard techniques including basic note reading, ear-training and the acquisition of all the basic elements that lead to an artistic performance. At the completion of this course, students will have acquired enough skill to play simple arrangements and accompaniments. Students who have some keyboard experience should see the instructor for an evaluation of their skills. In some cases, students may be permitted to take Piano II with instructor approval.	
Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.	
Piano II (College Credit Available) Course# 1011	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite: Piano I or permission of instructor.</i>	
Students who have some keyboard experience should see the instructor for an evaluation of their skills. In some cases, students may be permitted to take Piano II with instructor approval. Piano II will continue to build upon the skills and concepts acquired in Piano I. Appropriate solo material suited to individual skill levels will be prepared. Acceptable performance of music reflective of NYSSMA Level I and Level II will be required.	
Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.	

Piano III (College Credit Available) Course# 1017	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite: Piano II or permission of instructor.</i>	
Students will be required to perform all scales and basic keyboard progressions in all keys. Emphasis will be placed on the performance of simple accompaniment and harmonization of melody. Composition of an original keyboard piece will be required. Acceptable performance of music reflective of NYSSMA Level I and Level II will be required.	
Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.	
Select Choir (After-School Course) Course# 1020	Full Year – 1/2 Credit Grade 9 – 12
<i>Prerequisite: Membership in Concert Choir or Women's Choir or by recommendation of the Select Choir instructor. Membership in the Select Choir is by audition only.</i>	
The Select Chorus is a select ensemble of students which specializes in the performance of smaller choral ensemble literature. Madrigals, pop tunes and vocal jazz styles will be performed. The group meets after school hours and performs at various school and community functions. One half-credit can be earned if performance and attendance requirements are met.	
Jazz Ensemble (After-School Course) Course# 1021	Full Year – 1/2 Credit Grade 9 – 12
<i>Prerequisite: Membership in Band, or by recommendation of the Jazz Ensemble instructor. Membership in the Jazz Ensemble is by audition only.</i>	
Jazz Ensemble is a small, select ensemble specializing in the performance of jazz and popular music. Students will be encouraged to develop technique in all pop idioms especially improvisation. The Jazz Ensemble meets one evening a week for two hours. The Jazz Ensemble performs at various festivals as well as many school and community functions throughout the year. One half-credit can be earned if performance and attendance requirements are met.	
Vocal Ensemble (After-School Course) Course# 1026	Full Year – 1/2 Credit Grade 9 – 12
<i>Prerequisite: Membership in Concert Choir or Women's Choir, or by recommendation of the Vocal Ensemble instructor. Membership in the Vocal Ensemble is by audition only.</i>	
The Vocal Ensemble is a select ensemble of students which specializes in the performance of smaller choral ensemble literature. Madrigals, pop tunes and vocal jazz styles will be performed. The group meets after school hours and performs at various school and community functions. One half-credit can be earned if performance and attendance requirements are met.	
Chamber Orchestra (After-School Course) Course# 1019	Full Year – 1/2 Credit Grade 9 – 12
<i>Prerequisite: Membership in Orchestra or by recommendation of the Chamber Orchestra instructor. Membership in the Chamber Orchestra is by audition only.</i>	
The Chamber Orchestra is a select ensemble of students which specializes in the performance of smaller chamber orchestra literature. The group meets after school hours and performs at various school and community functions. One half-credit can be earned if performance and attendance requirements are met.	

Naval Science

The Naval Science Program can best be described as a citizenship program which is co-sponsored by the William Floyd School District and the United States Navy. The program is staffed by Naval Science Instructors who are retired Navy personnel and certified by both the U.S. Navy and the New York State Education Department to perform their duties as NJROTC instructors and administrators. The four-year NJROTC program is designed to build leadership and citizenship in participating cadets. This is done through a broad social science academic approach and a practical, guided leadership experience in naval organization and administration of the unit. The curriculum emphasizes the behavioral aspects of leadership as well as the relationship of the seas to American history, world geography, international relations, and economics. Military conduct, appearance, and drill, as well as the wearing of the Navy uniform, are utilized to emphasize self-discipline and teamwork concepts.

While each year of Naval Science is designed to stand independently, there is a continuity of purpose throughout the program. Each year, the course assists in building a basis for more advanced study of the Navy and sea power as it relates to the nation. This course offering is co-educational and includes extracurricular activities such as drill team, color guard, at-sea cruises in U.S. Navy vessels and visits to naval bases along the Eastern seaboard. Cadets are absolutely under no obligation to enlist in a military service as a result of enrollment in NJROTC. Naval Science courses may be taken for Regents or Local credit and satisfy State Education Department requirements for a 3-year course sequence.

NAVAL SCIENCE I Course# 1804	Full Year – 1 Credit Grade 9 – 12
<i>Prerequisite: None</i>	
In Naval Science I, cadets receive initial education on naval information, naval organization, career opportunities, navigation, seamanship, and military drill. Cadets are provided with Navy uniforms and are instructed on the proper wear and care of them. Cadets are taught military drill, marching, and ceremonial procedures in order to instill teamwork and self-discipline in each cadet.	
NAVAL SCIENCE II Course# 1805	Full Year – 1 Credit Grade 10 – 12
<i>Prerequisite: None</i>	
Naval Science II is a follow-up of Naval Science I with emphasis on the development of leadership skills. Having already satisfactorily completed the basic introduction to military drill, cadets now participate as drill leaders and are introduced to the use of dummy drill rifles and military dress swords. Maritime History is continued and the study of meteorology, oceanography, seamanship, navigation, and aviation are presented. Navy organization and administrative techniques are emphasized.	
NAVAL SCIENCE III Course# 1806	Full Year – 1 Credit Grade 11 – 12
<i>Prerequisite: None</i>	
Naval Science III is a follow-up of Naval Science II. Third year cadets are expected to take an active part in planning the activities of the unit and assist in leading the cadet company through the yearly cadet activities. The academic syllabus includes Navy history as it relates to World War II, meteorology, astronomy, and the role of the U.S. Navy in world affairs.	
NAVAL SCIENCE IV Course# 1807	Full Year – 1 Credit Grade 12
<i>Prerequisite: None</i>	
In Naval Science IV, cadets are expected to use the leadership skills they have acquired to lead, inspire, and motivate the younger cadets. They are assigned as class leaders and are tasked with helping the new cadets learn the ropes. Naval Science IV cadets improve their administrative and organizational skills by assisting with the myriad of administrative, supply, operational functions, and reports involved with operating the NJROTC unit.	

Physical Education Courses

Department Chairperson

Pete Friedman

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Students must earn 2 credits in Physical Education in high school to earn a high school diploma. A half credit is granted for a full year of Physical Education scheduled every other day. Activity units, including but not limited to those listed below, may be required or elected, and range in length from 5 to 10 weeks. Written and performance tests may be required in all instructional units. Grades will be numerical and will be based on participation, performance and knowledge testing. A final grade will be computed by averaging the grades for each marking period. A minimum final average of 65 must be attained to receive credit for the year.

Students with restrictions (*temporary or permanent*) which limit full participation in the regular activity program may earn credit in one of the following ways:

- audit the regularly scheduled class*
- reschedule into a modified class which provides activity within the specified limitations*
- complete written assignments relevant to program content*

****By Special Permission Only***

Traditional Physical Education (BOYS)

Course# 1100

****Semester – 1111 (Special Permission Only)***

Full Year – 1/2 Credit

Grade 9 – 12

This program exposes students to a wide variety of suitable activities.
Some of the activities include:

Aerobics	Group Games	Table Tennis
Adventure Activities	Handball	Team Handball
Badminton	NYS Physical Fitness Test	Tennis
Basketball	Soccer	Track and Field
Bowling	Softball	Volleyball
Flag or Touch Football	Speedball	Walking Wellness
Golf	Spasketball	Weight Training

Each of the individual activities offered will depend upon variables such as staff, class size, and facilities.

Traditional Physical Education (GIRLS)

Course# 1105

****Semester – 1112 (Special Permission Only)***

Full Year – 1/2 Credit

Grade 9 – 12

This program is designed to provide the student with the opportunity to experience Team Sports.
The Traditional Activities include:

Badminton	Group Games	Softball
Basketball	Hockey	Ultimate Frisbee
Football	Pickle Ball	Volleyball

Traditional Physical Activity and Fitness Activities (GIRLS) Course# 1105C	Full Year – 1/2 Credit Grade 10 – 12									
This program is designed to provide the student with the opportunity to experience both Team Sports and Fitness Activities. In addition to the activities above, the Fitness Activities include:										
<table><tr><td>Body Toning</td><td>Step Aerobics</td><td>Yoga</td></tr><tr><td>Core Training</td><td>Wellness Center Workouts</td><td>Zumba</td></tr></table>		Body Toning	Step Aerobics	Yoga	Core Training	Wellness Center Workouts	Zumba			
Body Toning	Step Aerobics	Yoga								
Core Training	Wellness Center Workouts	Zumba								
Fitness Activities Only (Girls) Course# 1105F	Full Year – 1/2 Credit Grade 11									
This program is designed for the student who enjoys Fitness Activities rather than participation in Sports. This course promotes lifelong fitness activities. The student will be involved in Personal Fitness Assessment, Fitness Program Design, Evaluation Techniques as well as participation in:										
<table><tr><td>Body Toning Program</td><td>Physioball</td><td>Wellness Center Workouts</td></tr><tr><td>Core Training</td><td>Power Walking</td><td>Yoga</td></tr><tr><td>Kick Boxing</td><td>Step Aerobics</td><td></td></tr></table>		Body Toning Program	Physioball	Wellness Center Workouts	Core Training	Power Walking	Yoga	Kick Boxing	Step Aerobics	
Body Toning Program	Physioball	Wellness Center Workouts								
Core Training	Power Walking	Yoga								
Kick Boxing	Step Aerobics									
Fitness Activities Only (Boys) Course# 1100F	Full Year – 1/2 Credit Grade 10 – 12									
This program is designed for the student who enjoys Fitness Activities rather than participation in Sports. The student will be involved in Personal Fitness Assessment, Fitness Program Design, Evaluation Techniques, as well as participation in:										
<table><tr><td>Agility & Speed Training</td><td>Flexibility</td><td>Weight Training</td></tr><tr><td>Core Training</td><td>Plyometrics</td><td></td></tr><tr><td>Cross Fit</td><td>Step Aerobics</td><td></td></tr></table>		Agility & Speed Training	Flexibility	Weight Training	Core Training	Plyometrics		Cross Fit	Step Aerobics	
Agility & Speed Training	Flexibility	Weight Training								
Core Training	Plyometrics									
Cross Fit	Step Aerobics									
Project Adventure (CO-ED) Course# 1107	Full Year – 1/2 Credit Grade 10 – 12									
For sophomores, juniors and seniors. This course involves innovative games and group problem-solving initiatives which encourage students to develop greater self-confidence, while at the same time acquiring a sense of trust and commitment to their classmates. Students will first participate in low element activities and then progress at their own pace, which will test their limits physically, mentally, and emotionally. Students will also be involved in other fitness and physical education activities. Please Note: Students must be enrolled in this class prior to the of end of 2 nd quarter.										

Science Courses



Department Chairperson

Dr. Luisa McHugh

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A MINIMUM of three (3) years of Science is required for graduation

ALL students will take **Living Environment** in **8th Grade** then follow one of the sequences shown below.

Level	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Regents	Earth Science	Science Electives	Science Electives	Science Electives
Advanced Regents	Earth Science	Chemistry	Physics or Science Electives	Science Electives
Honors <i>(for students who took Liv Env Honors in 8th Grade)</i>	Earth Science Honors	Chemistry Honors	Physics or AP Science Electives	AP Science Electives

Living Environment Grade 9 Course# 0405 Grades 10-12 Course# 0406	Full Year – 1 Credit
Prerequisite: None <p>This course is based on the Living Environment Core Curriculum of the New York State Learning Standards. The course of study provides an in-depth study of life, structure and function, relationships and interactions of a variety of organisms. The concept of interdependence of all life on Earth is interwoven throughout the curriculum, which includes units on ecology, evolution, genetics, reproduction and development, homeostasis, and ecology. A minimum of 1,200 minutes of lab work is required to sit for the Regents exam. All students meeting the lab requirement are required to take a Regents examination at the end of the course. This course meets 7 periods per week.</p>	
Earth Science Grade 9 Course# 0401 Grades 10-12 Course# 0402	Full Year – 1 Credit
Prerequisite: Living Environment <p>This course of study includes astronomy, earth's origin, structure, composition, surface features, and atmosphere. The curriculum is based on the Physical Setting/Earth Science Core Curriculum of New York State, which aims to develop an understanding of certain processes basic to Earth Science by means of student investigations. A minimum of 1,200 minutes of lab work is required to sit for the Regents exam. All students meeting the lab requirement are required to take a Regents examination at the end of this course. This course meets 7 periods per week.</p>	

Earth Science Honors 9 Course# 0436	Full Year – 1 Credit Grade 9
Prerequisite: Teacher recommendation and passing Living Environment regents exam with an 85 or better.	
Students must meet the criteria outlined in the William Floyd Secondary Honors criteria. This course of study includes astronomy, earth's origin, structure composition, surface features, atmosphere and research based projects and investigations. A minimum of 1,200 minutes of lab work is required to sit for the Regents exam. All students meeting the lab requirement are required to take a Regents examination at the end of this course. This course meets 7 periods per week.	
Earth Science (Non-Lab) Course# 0402NL	Full Year – 1 Credit Grade 11-12
Prerequisite: Passing Living Environment Regents and has taken and previously failed Earth Science. Must have administrative approval	
This course covers the basic concepts in Earth Science. The course structure contains a lecture/lab component without additional lab period.	
Chemistry Course# 0409	Full Year – 1 Credit Grade 10 – 12
Prerequisite: Living Environment and a grade of 80 or better in Earth Science. Strong math skills are required and student should have taken or be currently enrolled in Introduction to Algebra II or Algebra II.	
This course is based on the Physical Setting/Chemistry Core Curriculum of New York State. The course of study includes matter and energy, atomic structure, bonding, periodic table, mathematics of chemistry, organic chemistry, and application of the principles of reactions. A minimum of 1,200 minutes of lab work is required to sit for the Regents exam. All students meeting the lab requirement are required to take a Regents examination at the end of the course. This course meets 7 periods per week.	
Chemistry Honors Course# 0408	Full Year – 1 Credit Grade 10
Prerequisite: Teacher recommendation and passing Earth Science regents exam with an 85 or better.	
This course is based on the Physical Setting/Chemistry Core Curriculum of New York State. The course of study includes matter and energy, atomic structure, bonding, periodic table, mathematics of chemistry, organic chemistry, and application of the principles of reactions. In addition, concepts for the SAT II Chemistry exam are incorporated. A minimum of 1,200 minutes of lab work is required to sit for the Regents exam. All students meeting the lab requirement are required to take a Regents examination at the end of the course. This course meets 7 periods per week.	
AP® Chemistry Course# 0410	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Successfully completed Algebra II and enrolled in Precalculus. Satisfactory completion of Chemistry Honors with an 85 average or Regents Chemistry with a 90 average.	
This course is the equivalent of a college course in freshman Chemistry. This class meets 7 periods per week. This course will be the equivalent of college level freshman Chemistry. It is recommended that students take the AP exam, which is administered in May. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	

AP® Biology Course# 0410	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Successfully completed Algebra II and enrolled in Precalculus. Satisfactory completion of Chemistry Honors with an 85 average or Regents Chemistry with a 90 average.	
This course is the equivalent of a college course in freshman Biology. The Advanced Placement Exam will be administered at the end of the year. This course will meet 7 periods per week. It is recommended that students take the AP exam which is administered in May. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	
AP® Environmental Science Course# 0424	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Successfully completed Algebra II and enrolled in Precalculus. Satisfactory completion of Chemistry Honors with an 85 average or Regents Chemistry with a 90 average.	
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. Students will also identify and analyze environmental problems, and examine alternative solutions for resolving and/or preventing them. The course will focus on ‘real science’ behind environmental problems and issues. Laboratory and field studies are important elements of the course. This course meets 7 periods per week. It is recommended that students take the AP exam, which is administered in May. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	
Physics Course# 0411	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Successful completion of Living Environment and Earth Science, a grade of 85 or better in chemistry, and a grade of 80 or better in the three-year Regents Math sequence.	
This course is based on the Physical Setting/Physics Core Curriculum of the New York State Learning Standards. The course of study includes matter at rest and in motion, heat energy, waves, electricity, sound, light, and nuclear structure. A minimum of 1,200 minutes of lab work is required to sit for the Regents exam. All students meeting the lab requirement are required to take a Regents examination at the end of this course. This course meets 7 periods per week.	
AP® Physics I Course# 0442	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Successfully completed Algebra II and enrolled in Precalculus. Satisfactory completion of Chemistry Honors with an 85 average or Regents Chemistry with a 90 average.	
This course is the equivalent to a first-semester college course in algebra-based physics. This course meets 7 periods per week. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. It is recommended that students take the AP exam, which is administered in May. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	
Anatomy & Physiology Course# 0415	Full Year – 1 Credit Grade 11 – 12
Prerequisite: Regents Living Environment and Regents Chemistry. Students must be enrolled or have completed Intro to Medicine.	
This course is designed for students who are interested in a career in the health sciences. Classroom work will deal with the functions of human organs and systems. Dissections are an integral part of the program.	

Introduction to Science Research Course# 0455	Full Year – 1 Credit Grade 9 – 12
<i>Prerequisite:</i> Successful completion of Regents Algebra I and Living Environment. Students must have a strong desire to do research projects as this contains a rigorous curriculum designed for intrinsically motivated students.	
This full year course meets every day in a small-group class and provides a general overview of research in the natural sciences and behavioral science. Students will be introduced to procedures and methodologies used by researchers. Topics will include the scientific method, survey design and statistics. Students will work individually to complete an independent research project in which they apply their new skills. Students will be given the option to participate in science research competitions and publish their findings in scientific journals.	
General Chemistry Course# 0454	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite:</i> None	
This course presents an overview of the major understandings and fundamental concepts in chemistry. Emphasis will be placed on practical, hands-on applications of chemistry in everyday life. Topics include the scientific method, matter and energy, the atom, the periodic table, bonding, and chemical reactions.	
Astronomy Course# 0413	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite:</i> None	
This course deals with distinguishing stars and constellations; finding sky objects by the use of terrestrial coordinates; study of the planets by means of a trip through the solar system. Students will learn about Einstein's Theory of Relativity, Black Holes and more current theories in Astronomy.	
Environmental Science Course# 0414	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite:</i> None	
This course aims to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course aims to: identify and analyze environmental problems (both natural and human-made), evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them.	
Forensics I Course# 0416	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite:</i> None	
This course is a natural extension of all students' science education with an emphasis on real life applications. This course uses the knowledge gained from previous science courses to investigate the activities utilized in a crime lab. Students will be asked to read, research, hypothesize, compute, and use deductive reasoning to propose solutions to criminal cases. Topics include: laboratory exercises in CSI (Crime Scene Investigation), Anthropology, Hair & Fiber Examination, Fingerprinting, Serology, and other analytical procedures.	
Forensics II Course# 0416B	Half Year – 1/2 Credit Grade 10 – 12
<i>Prerequisite:</i> Forensics I	
This course is designed around the idea that in the real world all learning is interrelated and interdependent. This class blends all sciences with the core subject areas. Students will be asked to read, research, hypothesize, compute, and use deductive reasoning to propose solutions to criminal cases. The intention of this class is the continuation of study into the real world of Forensics with emphasis on more complex topics such as Arson, Ballistics, DNA, Time of Death, and Toxicology and other analytical procedures.	

Marine Science Course# 0418	Half Year – 1/2 Credit Grade 10 – 12
Prerequisite: None	
In this course students will study the physical characteristics of the oceans, life that lives in these vast areas, and how humans will utilize the oceans of the world to benefit humankind. Students demonstrate their proficiency through topical investigations, class discussion and participation, and summative assessments. This is a one-semester course.	
Meteorology Course# 0419	Half Year – 1/2 Credit Grade 10 – 12
Prerequisite: None	
In this course students will be studying weather phenomena such as blizzards, hurricanes, thunderstorms and tornadoes. In this course both nature's violent outbursts and the more mundane day-to-day atmosphere stability, forms of condensation and precipitation, air pressure and winds, air masses, and weather analysis and forecasting will be covered. Students demonstrate their proficiency through topical investigations, class discussion and participation, keeping daily weather logs, and through summative assessments. Students will be collecting and comparing data with the guidance of NOAA and the Brookhaven National Laboratory.	





Social Studies Courses

Department Chairperson

Lou Zederbaum

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Four (4) years of Social Studies is the required for graduation

Level	9th Grade	10th Grade	11th Grade	12th Grade
Regents	Global History & Geography (1A and 1B)	Global History & Geography (2A and 2B)	U.S. History & Government	Economics (1/2 Year) AND Participation in Government (1/2 Year)
<i>Qualifying Regents Students Can Choose AP Courses with Teacher Recommendation</i>				
Honors	World History AP Prep	AP® World History	AP® U.S. History	AP® U.S. Gov't & Politics or Participation in Gov't AND AP® Macroeconomics or Economics

Global History & Geography 1a Course# 0201a	Half Year – 1/2 Credit Grade 9 Fall
Prerequisite: None	
First semester of a four-semester study in world history and geography up to the fall of the Roman Empire. The fall semester begins with the Paleolithic Era and the Neolithic Revolution, the development of the first civilizations, the rise of belief systems, and continues with an examination of classical societies. The course emphasizes the unifying themes, social studies skills and practices, and key ideas and conceptual understandings as described in the New York State Social Studies Framework.	
Global History & Geography 1b Course# 0201b	Half Year – 1/2 Credit Grade 9 Spring
Prerequisite: Global H & G 1a	
Second semester of a four-semester study in world history and geography up to the Age of the Enlightenment. The spring semester begins with the Byzantine Empire, feudalism of the Middle Ages, the rise of trans regional trade networks, then continues to the Scientific Revolution and the Enlightenment. The course emphasizes the unifying themes, social studies skills and practices, and key ideas and conceptual understandings as described in the New York State Social Studies Framework.	

World History AP Prep Course# 0202	Full Year – 1 Credit Grade 9
<i>Prerequisite:</i> Teacher recommendation, six consecutive quarters with a 90 or better average in English and Social Studies, and proficiency on an AP history entrance exam.	
World History AP Prep is an especially rigorous course offered to invited freshmen who intend to enroll in AP World History during their sophomore year. Students are routinely required to independently complete college-level reading and writing activities. The course involves the study of the first half of the AP World History curriculum, which provides balanced coverage of five major geographical regions of the globe. Students will apply the skills needed for analyzing, and interpreting historical evidence in formulation and defense of an argument.	
Global History & Geography 2a Course# 0203a	Half Year – 1/2 Credit Grade 10 Fall
<i>Prerequisite:</i> Global H & G 1a and 1b	
Third semester of a four-semester study of world history and geography. The fall semester begins with a snapshot of the world circa 1750 and continues to late 19th and early 20th century imperialism. Several concepts are woven throughout the course including industrialization, revolution, nationalism, and imperialism. The course emphasizes the unifying themes, social studies skills and practices, and key ideas and conceptual understandings as described in the New York State Social Studies Framework.	
Global History & Geography 2b Course# 0203b	Half Year – 1/2 Credit Grade 10 Spring
<i>Prerequisite:</i> Global H & G 1a, 1b, and 2a	
Fourth semester of a four-semester study of world history and geography from World War I to the present. Several concepts are woven throughout the course including global conflict, decolonization, globalization and contemporary world issues. The course emphasizes the unifying themes, social studies skills and practices, and key ideas and conceptual understandings as described in the New York State Social Studies Framework. Students are required to take the Global History & Geography II Regents Exam in June.	
AP® World History: Modern Course# 0207	Full Year – 1 Credit Grade 10
<i>Prerequisite:</i> Teacher recommendation and completion of World History AP Prep with an 80 or better average or Global History & Government I with a 90 or better average.	
AP World History is offered to qualified students who wish to complete studies equivalent to an introductory world history course at the college level. The course continues the second half of world history from 1750 to the present day. AP World History encompasses the history of the five major geographical regions of the globe with special focus on historical developments and processes that cross multiple regions. The course focuses on developing students' abilities to think conceptually about world history and apply historical thinking skills as they learn about the past.	
Students are expected to take the Advanced Placement World History Exam administered in May and are required to take the Global History & Geography Regents II Exam in June. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	

United States History & Government Course# 0205	Full Year – 1 Credit Grade 11
<i>Prerequisite: Global History & Geography 2 or AP World History.</i>	
Grade 11 begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written in the Constitution. The development of the nation and the political, social, and economic factors that led to the challenges our nation faced are addressed. Industrialization, urbanization, and the accompanying problems are examined, along with America's emergence as a world power, the two world wars of the 20th century, the Cold War and the place of the United States in an increasingly globalized and interconnected world. The course emphasizes the unifying themes, social studies skills and practices, and key ideas and conceptual understandings as described in the New York State Social Studies Framework. Students are required to take the United States History & Government Regents Exam in June.	
AP® United States History Course# 0206	Full Year – 1 Credit Grade 11
<i>Prerequisite: Teacher recommendation and completion of AP World History with an 80 or better average or Global History & Government 2 with a 90 or better average.</i>	
AP United States History is offered to qualified students who wish to complete studies equivalent to an introductory two- semester college course in United States History. The course focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Several themes will provide areas of historical inquiry for investigation throughout the course. These themes require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Students are expected to take the AP United States History Exam administered in May and are required to take the United States History & Government Regents Exam in June. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.	
Economics Course# 0209	Half Year – 1/2 Credit Grade 12
<i>Prerequisite: None</i>	
This course is designed to be a culminating study focusing on New York State's learning standards on economics, the free enterprise system, and finance. The fundamental economic concepts of scarcity, productivity, supply and demand, and global interdependence will be examined. The role of the consumer, business, labor, and government will also be studied. Economics provides a unique opportunity for students to combine knowledge of the theoretical with practical, real-life decisions about employment options, consumer choices, and personal finance. Students are required to complete both a personal budget project and an investment project. Successful completion of this course is a NYS requirement for graduation.	
Participation in Government Course# 0210	Half Year – 1/2 Credit Grade 12
<i>Prerequisite: None</i>	
This course is designed to be a culminating study, focusing on NYS's learning standards on civics, citizenship, and government. Participation in Government is a course of study that has students define, analyze, and discuss contemporary issues and policies at the local, state, national, and international levels. The course reflects an issue-based approach to public policy, the tools and skills needed for community-based learning experiences, and the content knowledge needed for effective citizenship and community action. Students are required to complete a Civic Capstone Project which focuses on community-based learning experiences and a public policy issue research paper. Successful completion of this course is a NYS requirement for graduation and may earn students an opportunity to receive the <u>NYS Seal of Civic Readiness</u> distinction on their diploma.	

AP® United States Government & Politics Course# 0208	Full Year – 1 Credit Grade 12
Prerequisite: Teacher recommendation and completion of AP U.S. History with an 80 or better average or U.S. History & Government with a 90 or better average.	
<p>This course will focus on a variety of topics, including the constitutional foundations of the American Government, the political culture of citizens, political parties, special interest groups and the mass media. The institutions of government, public policy, and citizens' rights will also be studied. The course demands upon students are equivalent to an introductory political science course at the college level. Students are expected to take the AP U.S. Government & Politics Exam administered in May. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.</p> <p>Students enrolled in AP Government & Politics are also required to take AP Macroeconomics (full year) or Economics (1/2 year) in order to fulfill NYS graduation requirements.</p>	
AP® Macroeconomics Course# 0214	Full Year – 1 Credit NOTE: This course requires mathematical and algebraic problem solving skills. Grade 12
Prerequisite: Teacher recommendation and completion of AP U.S. History with an 80 or better average or U.S. History & Government with a 90 or better average.	
<p>This course gives students a thorough understanding of the principles of economics that apply to decisions made by both consumers and producers within the economic system. Emphasis is placed on the nature and function of product markets and the role of the government in overseeing the economy. Students will also become familiar with measures of economic growth and international economics, including the impact of scarcity on the interdependence of nations. The course demands upon students are equivalent to an introductory economics course at the college level. Students are expected to take the AP Macroeconomics Exam administered in May. The AP Exam cost is \$96. The Free/Reduced lunch cost is \$53. These costs are subject to change as per federal and state guidelines.</p> <p>Students enrolled in AP Macroeconomics are also required to take AP US Government & Politics (full year) or Participation in Government (1/2 year) in order to fulfill NYS graduation requirements.</p>	
Psychology Course# 0211	Half Year – 1/2 Credit Grade 12
Prerequisite: None	
<p>This elective course will present a thorough investigation of the study of human behavior with emphasis placed on the theories of personality and degrees of mental illness. Application is made to clinical problems as well as everyday life-stress situations. The course is implemented through class and small group instruction and individual and class projects.</p>	
Criminal Justice Course# 0212	Half Year – 1/2 Credit Grade 12
Prerequisite: None	
<p>This elective course investigates the criminal justice process in the United States. Units of study include police work, the rights of the accused, the trial process, and the penal system. When possible, field trips to the Suffolk County Jail are arranged; and guest speakers from law enforcement and the court system are invited to speak on special topics.</p>	

Technology Education Sequences

Technology Education is the application of the latest scientific discoveries to improve the quality of people's daily lives. Technology Education introduces students to the latest technologies currently utilized in the business and industry. Students will have the opportunity to explore and develop skills through an active hands-on approach in a project-based curriculum.

Courses are designed to provide a variety of options for students to meet elective requirements, while also engaging them in a positive learning environment where they are encouraged and expected to achieve their highest potential.

A 5-credit sequence in Business Education can be used as an alternative to the 3 credit World Language requirement for an Advanced Regents Diploma.

TECHNOLOGY EDUCATION 5-UNIT SEQUENCE

Required Courses:

Design and Drawing (1 unit) / OR Electronics (1 unit)
Personal Finance (1/2 unit)



Two and a half (2.5) Additional Credits from **ANY** Technology Education Courses

Technology Education Pathways

(Drawing & Design is Recommended for All Technology Pathways)

Recommended Courses for Career Fields of Interest

<i>Engineering</i>	D & D – CAD – POE – Robotics
<i>Architecture</i>	D & D – CAD – Architectural Problems – Architectural Design
<i>Construction</i>	D & D – Woodworking – Electronics – DIY 1 & 2
<i>Automotive</i>	D & D – Transportation Systems
<i>Media</i>	D & D – Computer Animation – Media Productions

CNC Communications Systems Course# 0831	Half Year – 1/2 Credit Grade 10 – 12
Co-requisite: Principles of Engineering and/or CAD and Advanced CAD	
This course provides an exploration of the basics in machining, raw materials, use of hand tools, safety and maintenance. Communication between user software and machine code will be emphasized with topics that include an overview of measurement techniques, materials, safety, machine tool math, quality control and maintenance.	
Computer Aided Design (CAD) Course# 0838	Full Year – 1 Credit Grade 10 – 12
Recommended Coursework: Drawing and Design or Geometry in Construction	
This course provides students the opportunity to explore the use of computer aided drafting tools used in a wide array of careers in the areas of design, architecture, engineering, interior design, etc. The students will learn the fundamentals of the industry-standard program, AutoCAD. The course focuses on teaching students traditional drafting techniques using the newest forms of technology.	
All projects in this course revolve around developing problem-solving skills. Students will have the opportunity to be creative and create projects utilizing advanced computer aided machines like Laser engraver, CNC mill, and 3D printers.	
Computer Animation & Multimedia Course# 0839	Full Year – 1 Credit Grade 10 – 12
Prerequisite: None	
This class introduces students to creating models and animations using 3D Max, which is the same program used by professionals to create special effects, computer generated animation, and video game graphics used in the entertainment industry today. The animations created will range from single-object models and expand to full-scene animation production. The students will be given specific objects to create and be encouraged to use their imaginations to make each animation more realistic. Throughout the course, students will develop their eye as an animator, as well as the essential skills for creating animations in a 3-D space perspective.	
Design & Drawing Course# 0814 <i>** This course may be used to satisfy the Fine Arts credit.</i>	Full Year – 1 Credit Grade 9 – 12
Prerequisite: None	
This course is required for CTE programs (Carpentry and Automotive) and is the foundation for all future technology/CTE courses. Prerequisite: None. This introductory technology class is the foundation for all technology classes. This class will prepare students with the necessary skills to progress further within the technology/CTE program. Students will learn a variety of mechanical drawing techniques. This class will focus on the production of exciting, real world products/ projects by introducing multiple graphic design software--for example, AutoCad, Google SketchUp, Photoshop, SolidWorks, and 3D StudioMax. Students are encouraged to innovate and design their projects using hand drawings and computers.	
D.I.Y. Home Improvements Course# 0832	Half Year – 1/2 Credit Grade 10 – 12
Prerequisite: None	
Do it yourself (DIY) is the method of building, modifying, or repairing things without the direct aid of experts or professionals. Students will have the opportunity to bring something from home they would like to refurbish or repair. Students will also learn basic home maintenance and repair.	

D.I.Y. Fixer Upper Course# 0833	Half Year – 1/2 Credit Grade 10 – 12
Prerequisite: D.I.Y.: Home Improvements	
In level II, students will work on individual projects as well as have the opportunity to work on refurbishing projects for staff/community. Projects will include indoor and outdoor design.	
Electricity and Applied Electronics Course# 0805 <i>** This course may be used as a third math credit.</i>	Full Year – 1 Credit Grade 10 – 12
Prerequisite: None	
Electricity and Applied Electronics is a one-year course which explores the field of basic electricity and applied electronics through a series of activities. These activities will demonstrate processes of circuit design, circuit layouts, fabrications, basic troubleshooting, residential wiring, and basic automotive electricity. In our applied technology laboratories, students will be challenged to participate in authentic learning tasks and start solving problems through instruction and self- directed inquiry. This course will help align students to become college- and career-ready. If you have a general interest in this particular field or if you have plans to join one of our CTE programs, this is a great course for you! (NOT A COMPUTER COURSE)	
Media Production Technology Course# 0807	Half Year – 1/2 Credit Grade 10 – 12
Prerequisite: None	
Media production is a hands-on, active learning class which focuses on the design and production of a variety of media formats. The course is designed to provide students with the basic skills necessary to plan, produce, record, and edit presentations, including video productions, A/V presentations, and web pages. Students will have the opportunity to work independently and in small groups. Activities included: - Digital Video Production - Video Special Effects - Web Page Animation - Digital Photography - Multimedia Presentations	
Principles of Engineering (College Credit Available) Course# 0817	Full Year – 1 Credit Grade 10 – 12
Suggested Coursework: Algebra I and Physics	
What is an engineer? What do they do? How does an engineer solve design problems? Would I like to be an engineer? These questions are important to a student considering engineering as a possible career. Principles of Engineering is an activities-oriented course designed to provide students with the answers to those questions and more. Students will be introduced to the principles, skills, techniques, and tools used by those in the field of engineering. Principles of Engineering is designed to give students a basic understanding of physics and help them apply it to real-life situations. Throughout the course, the student will investigate the principles of engineering. They will build, evaluate, measure, monitor, and use models to simulate real-life engineering problems. Principles of Engineering will also allow students to integrate and apply math and science with technology to solve real world problems. Activities to include: robotics, mouse-trap cars, pneumatic arms, designs using Solid Works, and Auto Cad. This course may be used as a third unit of Math or Science. Students will have the option of taking this course for college credits through the Farmingdale State University in the High School Program.	

Robotics (College Credit Available) Course# 0830	Half Year – 1/2 Credit Grade 10 – 12
<i>Corequisite: Principles of Engineering and/or CAD and Advanced CAD.</i>	
<p>This course is designed to introduce students to the basics of VEX Robotics platform and the Arduino Platform as it teaches science, technology, engineering, and mathematics (STEM). Students will learn how to use feedback from sensors, applied mathematics and measurement to program their robot to navigate in its environment. Students will have the opportunity to complete multiple challenges involving guided research, problem solving, working in teams, and design documentation by means of an Engineer's Notebook.</p> <p>Students will have the option of taking this course for college credits through the Farmingdale State University in the High School Program.</p>	
Transportation Systems Course# 0840	Full Year – 1 Credit Grade 10 – 12
<i>Prerequisite: None</i>	
<p>In this course students will learn about the basics of land, marine, and aerospace engines and about the Transportation Systems involved in each of the three areas. Students will disassemble and rebuild a small gasoline engine in order to gain an understanding of engine operation. Systems such as power, cooling, suspension, braking, electrical, ignition, drive train and more will be covered. A hands-on, term project in the marine and/or aerospace topics will help reinforce the advanced systems needed for flight and/or propulsion. Engine maintenance, repair and tune up will be performed on your engine. Proper and safe use of related tools and equipment will be stressed.</p> <p>Some topics in this course include:</p> <ul style="list-style-type: none"> -Engine Operation 2 & 4 Cycle -Steam Engines -Diesel Engines -Principles of Flight -Ignition Systems -Rotary Engines -Aerospace Engines -Railroad Systems -Troubleshooting Engine Problems -Marine Engines -Types of Boat Hulls -Consumer Information 	

World Languages Department



Department Chairperson

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The primary goal of world language study is for students to develop the skills necessary to communicate with native speakers of a language other than English. This includes increasing their competence in listening, speaking, reading, writing, and cultural understanding. Along with developing language skills, students will gain valuable insight into the culture, people, traditions, and history of the language they choose to study. Students will develop the skills necessary to be able to socialize, provide and acquire information, and express personal feelings and opinions in a language other than English.

The William Floyd School District offers students the option to take courses in either the Spanish or Italian languages.

Students who are already fluent in the Spanish language can choose to follow a Home Language Arts sequence in order to further develop skills in their native language.

One (1) World Language credit is required for graduation

Spanish Language Sequences

Level	9 th Grade	10 th Grade	11 th Grade	12 th Grade
<i>Regents</i>	Spanish II	Spanish III	Spanish IVH or Electives	Electives
<i>Honors</i> <i>(for students who took Spanish I Honors in 8th Grade)</i>	Spanish IIH	Spanish IIIH	Spanish IVH	AP® Spanish Language
<i>9th Grade Sequence</i> <i>(for students who DID NOT take a World Language Course in 8th Grade)</i>	Spanish I	Spanish II	Spanish III	Electives

Spanish I Course# 0506	Full Year – 1 Credit Grades 9 – 12
<i>Prerequisite: Successful completion of 8th grade Spanish</i>	
Level 1 focuses on the survival skills outlined in Checkpoint A of the State Syllabus. Employing extensive oral/aural activity, the student is placed into real life situations using the Spanish language. With the aid of authentic materials, the student will simulate everyday life in a Spanish environment through role-playing, dramatizations, and other oral exercises. All students are required to take the Checkpoint A examination at the end of this course.	

Spanish II Course# 0507	Full Year – 1 Credit Grades 9 – 12
Prerequisite: Spanish I	
Level 2 embraces the first half of the proficiencies outlined in Checkpoint B of the State Syllabus. While maintaining emphasis on oral survival skills, this course will also involve the students in readings of a more complex nature, and in the basics of Spanish composition.	
Spanish II Honors Course# 9507	Full Year – 1 Credit Grades 9 – 10
Prerequisite: Spanish I Honors or Teacher Recommendation	
Spanish II courses build upon skills developed in level I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. The honors courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures and prepare students for the Checkpoint B exam, which will be taken at the end of level III.	
Spanish III Course# 0508	Full Year – 1 Credit Grades 10 – 12
Prerequisite: Spanish II	
Level 3 Spanish covers the second half of the proficiencies outlined in Checkpoint B of the State Syllabus. This course continues with the emphasis on communication skills. The students will be expected to demonstrate comprehension of lengthy auditory and reading passages. Students will also engage in creative and guided composition. All aspects of the course will center on real life situations, with utilization of authentic materials such as Spanish newspapers, magazines, films and video programs. All students are required to take the Checkpoint B examination at the end of this course.	
Spanish III Honors Course# 0526	Full Year – 1 Credit Grades 10 – 12
Prerequisite: Spanish II Honors or Teacher Recommendation	
Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures. The honors course will prepare students to master Checkpoint B skills outlined in NYS standards and taking the Checkpoint B examination in Spanish in order to earn Regents credit.	
Spanish IV Honors (College Credit Available) Course# 0509	Full Year – 1 Credit Grades 11 – 12
Prerequisite: Spanish III, Spanish III Honors, or Native Language Arts II	
This course concentrates on the conversational aspects of the Spanish language as outlined in Checkpoint C of the State Syllabus. This course continues to build oral and written proficiency. Survival Spanish will be combined with reading a survey of Spanish literature. Authentic materials will be utilized to provide a better understanding of the Spanish language and culture.	
Students will have the option of taking this course for college credits through St. John's University College Advantage Program and the Suffolk County Community College Beacon Program.	

AP® Spanish Language & Culture Course# 0510	Full Year – 1 Credit Grades 11 – 12
<i>Prerequisite: Successful completion of Spanish IV Honors and Teacher Recommendation.</i>	
<p>This course is intended for students with an extensive background in Spanish, who are interested in continuing an intensive, culture-rich course. Conducted almost entirely in Spanish, this course will further the development of all four skill areas: speaking, listening, reading and writing. Emphasis will be placed on the development of better oral/aural comprehension. In addition, cultural awareness will be enhanced by using a wide variety of literature, authentic material, and other resources. Basic grammar structures and usage will be reviewed and more sophisticated alternatives will be introduced. This course offers the opportunity for student to earn college credits based on meeting course requirements. Upon completion of this course, it is anticipated that the students will take the AP exam in May. The AP exam cost is \$96. The Free/Reduced Lunch cost is \$53. <i>These costs are subject to change as per federal and state guidelines.</i></p>	

Home Language Arts Sequence

Do you speak Spanish at home? Is Spanish your first language? Are you able to understand Spanish, but don't necessarily speak it? Home Language Arts may be the best choice for you! Our HLA program is designed to allow our Spanish-speaking students the opportunity to learn more about their language, culture, and heritage. These courses are conducted in Spanish and are an excellent way to help students master the language.

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
HLA 1	HLA II	Spanish IVH or Electives	AP® Spanish Language or Electives	Electives

Home Language Arts II Course# 0520	Full Year – 1 Credit Grades 9 – 12
<i>Prerequisite: Home Language Arts I or recommendation from the Department Chair and School Counselor based on previous study.</i>	
<p>This course is designed for Spanish speaking students to further develop native literacy skills. Students will read and respond to literature and other writings representative of Spanish-speaking societies. Emphasis is placed on the strengthening of speaking, reading, listening and writing skills. Instruction is based on activities that will assist students to convey meaning through writing, using appropriate grammar, sentence structure, and tone. Students will take the Checkpoint B examination in Spanish at the end of this course. This course will be conducted completely in Spanish.</p>	

Italian Language Sequences

Level	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Regents	Italian II	Italian III	Italian IVH or Electives	Electives
Honors <i>(for students who took Italian I Honors in 8th Grade)</i>	Italian IIH	Italian IIIH	Italian IVH	Italian VH
9th Grade Sequence <i>(for students who DID NOT take a World Language Course in 8th Grade)</i>	Italian I	Italian II	Italian III	Electives

Italian I Course# 0511	Full Year – 1 Credit Grades 9 – 12
Prerequisite: None	
Level 1 focuses on the survival skills outlined in Checkpoint A of the State Syllabus. Employing extensive oral/aural activity, students are placed in real life situations using the Italian language. With the aid of authentic materials, students will simulate everyday life in an Italian environment through role-playing, dramatizations, and other oral exercises. All students are required to take the Checkpoint A examination at the end of this course.	
Italian II Course# 0512	Full Year – 1 Credit Grades 9 – 12
Prerequisite: Italian I	
Level 2 embraces the first half of the proficiencies outlined in Checkpoint B of the State Syllabus. While maintaining emphasis on oral survival skills, this course will also involve the students in readings of a more complex nature and in the basics of Italian composition.	
Italian II Honors Course# 9512	Full Year – 1 Credit Grades 9 – 10
Prerequisite: Italian I Honors	
Italian II courses build upon skills developed in level I, preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Italian II honors courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures and prepare students for the Checkpoint B exam, which will be taken at the end of level III.	
Italian III Course# 0513	Full Year – 1 Credit Grades 10 – 12
Prerequisite: Italian II	
Level 3 Italian covers the second half of the proficiencies outlined in Checkpoint B of the State Syllabus. This course continues with the emphasis on communication skills. The students will be expected to demonstrate comprehension of lengthy auditory and reading passages. Students will also engage in creative and guided composition. All aspects of the course will center on real life situations, with utilization of authentic materials such as Italian newspapers, magazines, films and video programs. All students are required to take the Checkpoint B examination at the end of this course.	

Italian III Honors Course# 0527	Full Year – 1 Credit Grades 10 – 12
<i>Prerequisite:</i> Italian II Honors or Teacher Recommendation	
<p>Level 3 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Italian-speaking countries and cultures. The honors course will prepare students to master the Checkpoint B examination for Regents credit that will be taken in June.</p>	
Italian IV Honors (College Credit Available) Course# 0514	Full Year – 1 Credit Grades 11 – 12
<i>Prerequisite:</i> Italian III Honors or Teacher Recommendation	
<p>This course concentrates on the conversational aspects of the Italian language as outlined in Checkpoint C of the State Syllabus. This course continues to build oral and written proficiency. Survival Italian will be combined with reading a survey of Italian literature. Authentic materials will be utilized to provide a better understanding of the Italian language and culture.</p> <p style="text-align: center;">Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.</p>	
Italian V Honors (College Credit Available) Course# 0515	Full Year – 1 Credit Grades 12
<i>Prerequisite:</i> Italian IV	
<p>This course completes the Checkpoint C curriculum of the State Syllabus. The course combines the continued study of works of literature with increased oral/aural activities, such as dramatizations and panel discussions. Emphasis is placed on the students' ability to write critically, creatively, and correctly.</p> <p style="text-align: center;">Students will have the option of taking this course for college credits through the Suffolk County Community College Beacon Program.</p>	

World Language Electives

**Courses will run based on student enrollment*

Conversational Spanish Course# 0523	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: Spanish III OR Native Language Arts II	
Conversational Spanish courses provide students with an exploration of authentic experiences in the Spanish language and the culture(s) of Spanish-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. Authentic, real-life and work-based situations will be highlighted.	
Conversational Italian Course# 0524	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: Italian III	
Conversational Italian courses provide students with an exploration of authentic experiences in the Italian language and the culture(s) of Italian-speaking people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language. Authentic, real-life and work-based situations will be highlighted.	
International Business in Spanish Course# 0522	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: Spanish III OR Native Language Arts II	
This course will run concurrently with International Business, meeting every other day. The course will help students become comfortable using Spanish to communicate with customers, clients, and coworkers that do not speak English. The course will target skills and vocabulary that will be useful in their career paths and ultimately give them the tools they need to become a bilingual employee. This course will expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.	
**New Course pending budget approval and student enrollment	
Exploration of French Course# 0525	Half Year – 1/2 Credit Grades 10 – 12
Prerequisite: Italian III, Spanish III, NLA 2, or Recommendation from the Department Chair	
This exploratory French course will provide students with an introduction to the French language and the culture(s) of French-speaking people. Students will be exposed to the French language and culture through literature, music and videos while learning some basic conversational survival skills. Emphasis will be placed on developing cultural competency while acquiring some basic language useful for travel to French speaking countries.	