



Program of Studies
HHS  2023-2024

PROGRAM OF STUDIES

2023 – 2024

MISSION STATEMENT

*We of the Hilton Central School System
will engage and support all students
academically and socially in becoming
self-directed, life-long learners who think
critically and creatively, and function as
caring, productive citizens.*

Hilton High School
Counseling Office
400 East Avenue
Hilton, New York 14468
Phone: 392-1000 ext. 2240

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PROGRAM OF STUDIES

INTRODUCTION FOR STUDENTS AND PARENTS & GUARDIANS

Next September you will be transitioning to a new grade at the High School. Careful course selection is a critical part of your high school experience. This is one way you can put into practice some of the decision-making strategies you have learned. What are your strengths? What are your goals? Your schedule is the educational blueprint leading up to graduation. The choice process is an expression of the partnership we seek to promote and develop with you.

Now is the time for careful consideration of your choices. You are accountable for the course selection decisions you make now. After your courses are chosen, we will commit funds to hire teachers and purchase materials. Once we commit our resources in the spring, changing courses becomes very difficult.

This booklet is provided to you and your families as a guide to your planning. Our intent is to provide you with information to help you make decisions that are best for you. In this book you will find new program offerings and courses. You will also see information about graduation requirements, diploma types; including the International Baccalaureate diploma, general course information, advanced placement courses and career and technical opportunities at Hilton High and through WeMoCo.

The High School Counselors and faculty are available to answer questions about the courses described here. Whenever you or your family have questions regarding the scheduling process, please do not hesitate to call the Counseling Department at 392-1000 Ext. 2240.

We at the High School look forward to working with you as you prepare for your academic experience in the coming year and beyond.

Sincerely,

Dr. Jeffrey M. Green
Principal

COUNSELING DEPARTMENT

GENERAL TIME LINE FOR COURSE SELECTION PROCESS

NOVEMBER - JANUARY

- Program of Studies available
- Consult current teachers, parents and counselors to discuss choices (Please note certain courses require teacher approval)
- Meet with counselors
- Complete course selection process

FEBRUARY

- Review accuracy of course requests. Contact the Counseling Department if errors are detected.

* **NOTE:** In accordance with Hilton District Policy, parents CANNOT request specific teachers for their child.

Counselors CANNOT honor requests to switch teachers in a student's schedule at any point during the scheduling process.

AUGUST

- Student schedules will be available
- Counselors will be available in order to correct errors and make adjustments due to summer school results.

SEPTEMBER

- Final copy of schedules available.

COURSE SELECTION PROCESS FOR INCOMING 9TH GRADERS (September 2023) Class of 2027

The process of choosing your high school courses is extremely important. However, as a 9th grader, you have more required courses to take and fewer choices than upper classmen do.

All 9th graders are required to take the following courses:

1. English 9 (Language & Literature)
2. Global History I (Individuals in Society) or AP World 9**
3. Math (Algebra 1 or Geometry*)
4. Science (Earth Science, The Living Environment* or AP Biology***)
5. Physical Education (1/2 credit)
6. French or Spanish (World Language Acquisition)
7. Student choice of electives

Note: *If Algebra 1 was completed in 8th grade

**By recommendation only

***If Earth Science was completed in 8th grade

Electives: The remainder of your schedule is completed with electives. Electives are really the only courses you can choose from as a 9th grader.

COURSE SELECTION PROCESS FOR 8th → 9th TRANSITION

November/December

- High School and Middle School Counselors explain course selection and scheduling information to 8th grade students. Graduation requirements and general information about the high school are reviewed as well.
- Academic Planning Night at Hilton High School (**December 5th**)
- Students/parents will review Program of Studies and Course Selection Sheet.
- Students/parents discuss any questions with teachers and counselors.
- Students complete Course Selection via Infinite Campus with parent/guardian with input by mid December.

COURSE SELECTION DIRECTIONS FOR UPCOMING 10TH, 11TH, & 12TH GRADERS

The process of choosing your courses is extremely important. **Choose your courses carefully because you are expected to remain in those courses.** Now is the time to read your Program of Studies and gather all information necessary to make sound decisions.

Please follow these steps in choosing your courses:

- Read the entire Program of Studies with particular emphasis on graduation requirements.
- Teacher Recommendations:
For proper course placement, it is important to ask for advice and guidance from your teachers. This is especially

important when advancing from courses with more than one level, prerequisite or requiring a recommendation. Your current teachers will make specific course recommendations.

- **Course Load Requirements:**
It is recommended that all students will sign up for at least 6 courses plus PE. The minimum course load for all students in 5.5 credits.
- **Course Selection:**
All teachers will be devoting some class time on Friday, November 18th to assist you in this decision-making process by making specific recommendations for future courses. Be sure to have teachers sign or initial all courses that are multi-level, have prerequisites or require a teacher recommendation.

Students will sit with their counselor over the months of November, December and January to review their academic progress and determine official requests.

Parent/Guardian Notification:

In late winter/early spring a communication will be sent to parents/guardians to verify the courses their child has requested.

Upcoming Seniors Please Note: You must carry a minimum of 5.5 credits during senior year in order to be in good standing (i.e. eligible for senior events). **Exceptions to this policy (i.e., 5th year senior) must have Administrative approval.**

Class Add/Drop

The deadline to **add** a course is the Friday of the first full week of school.

The deadline to **drop** courses are as follows:

- Half year classes: 5 week mark
- Year-long classes: 10 week mark

DIPLOMA REQUIREMENTS

REGENTS DIPLOMA

Required Courses

English	4
Social Studies	4
Math	3
Science	3
Language Acquisition	1*
Art/Music	1
Health	.5
Phys. Ed.	2
Electives	3.5
Total Credits	22

*Students Must Take a World Language
Through At Least 10th Grade

REGENTS DIPLOMA

Required Exams

(passing score of 65 or above)

Comprehensive English
Regents Global History
Regents U.S. History
One Regents Math
One Regents Science

REGENTS DIPLOMA WITH ADVANCED DESIGNATION

Required Courses

English	4
Social Studies	4
Math	3
Science	3
Language Acquisition	3
Art/Music	1
Health	.5
Phys. Ed.	2
Electives	1.5
Total Credits	22

REGENTS DIPLOMA WITH ADVANCED DESIGNATION

Required Exams

(passing score of 65 or above)

Comprehensive English
Algebra 1
Geometry
Algebra 2
Regents Global History
Regents U.S. History
*Two Regents Science
**Regents Language Acquisition

*Must pass the Living Environment and one of the physical setting (Earth Science, Chemistry or Physics) exams.

**Students may substitute a 5 unit sequence in Art, Music, Business, Technology, or Career & Technical Education for Language Acquisition (French/Spanish).

***All students must continue with Language Acquisition in grades 9 & 10 to fulfill the MYP (Middle Years Program) requirements unless exempt on their I.E.P.

I.B. Diploma

See page 10 for requirements

“With Honors” Designation

The words “with honors” will be added to the **Regents Diploma** or the **Regents Diploma with Advanced Designation** if a student has earned an average of at least 90.0% on all the required Regents examinations the student has taken. Averages below 90.0% may not be rounded up to 90.0%. School personnel will compute the averages in the spring of the student’s senior year to make the determination of the “with honors” designation.

Career and Technical Education (CTE) Diploma Endorsement

Pre-Engineering

Students who are interested in careers related to engineering of any type, mechanical design, mechanical technology, robotics, CNC machining, rapid prototyping, architecture or computer aided design may receive an endorsement on their diploma meeting certain requirements. They are:

Take a required 6 credit sequence as listed below:

Design and Drawing for Production	1 credit
Career & Financial Management	1 credit
Digital Electronics	1 credit
Principles of Engineering	1 credit
Computer Integrated Manufacturing	1 credit
Technical Reading & Writing (meets English 12 requirement)	1 credit

Complete a work based learning experience (Typically a job shadowing experience)

Create a Portfolio (this requirement is met as students progress through the courses)

Pass a nationally certified exam in Pre-engineering

COURSES WITH A COLLEGE CREDIT OPTION

Department	Course Name	College Affiliation	No. of Credits	Notes
BUSINESS	Accounting	MCC	4	
	Intro to Law	MCC	3	
	Entrepreneurship	MCC	3	
LANGUAGE ACQUISITION	French 4	MCC	5	
	Spanish 4	MCC	5	
	IB French 12	MCC	5	
	IB Spanish 12	MCC	5	
OTHER	Intro to Teaching	MCC	1	
SCIENCE	EMT-D	MCC	6	Students need to be 18 prior to September 1 st of the year they take the course to gain college credit
	College-Level Physics	MCC	4	
SOCIAL STUDIES	Advanced Economics	MCC	3	Minimum grade of 70 required
	Sociology	NAZ	3	Minimum grade of 65 is required
TECHNOLOGY	Principles of Engineering	RIT	3	
	Advanced Electronics	MCC	3	
	Digital Electronics	RIT/MCC	3/3	
	DDP	RIT	3	
	Intro to Optical Technology	MCC	3	
	Computer Integrated Manufacturing (CIM)	RIT	3	
<p style="text-align: center;">Due to MCC policy, students are limited to enrolling in 11 credits in a single term.</p>				

Earning the New York State Seal of Biliteracy

- A. Students wishing to receive the New York State (NYS) Seal of Biliteracy must complete all requirements for graduating with a NYS Regents diploma*; and
- B. In addition to the above minimum requirement, students wishing to receive a NYS Seal of Biliteracy must earn **three (3) points** in each of **the two (2) areas** listed below:

Criteria for Demonstrating Proficiency in <u>English</u>	Point Value	Criteria for Demonstrating Proficiency in <u>World Language</u>	Point Value
Score 75 or higher on the NYS Comprehensive English Regents Examination or score 80, or higher on the NYS Regents Examination in English Language Arts (Common Core)* or English Language Learners (ELLs) score 75 or above on two Regents exams other than English, without translation.	1	Complete a Checkpoint C level World Language course, with a grade of 85 or higher, or a comparable score using another scoring system set by the district and approved by the Commissioner, for both the coursework and final examination consistent with Checkpoint C standards.	1
ELLs score at the Commanding level on two modalities on the New York State English as a Second Language Achievement Test (NYSESLAT) as demonstrated by an overall scale score of 290.	1	Provide transcripts from a school in a foreign country showing at least three years of instruction in the student's home/native language in Grade 8 or beyond, with an equivalent grade average of B or higher.	1
Complete all 11th and 12th grade ELA courses with an average of 85 or higher or a comparable score using another scoring system set by the district and approved by the Commissioner.	1	For students enrolled in a Bilingual Education program, complete all required Home Language Arts (HLA) coursework and the district HLA exam with an 85 or higher, or a comparable score using another scoring system set by the district and approved by the Commissioner.	1
Achieve the following scores on the examinations listed below: -3 or higher on an Advanced Placement (AP) English Language or English Literature examination, or -80 or higher on the Test of English as a Foreign Language (TOEFL).	1	Score at a proficient level on an accredited Checkpoint C World Language assessment (See "Checkpoint C World Language Assessments and Minimum Scores" on the following page.)	1
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.	2	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 and that is aligned to the NYS Checkpoint C Learning Standards to a panel of reviewers with proficiency in the target language.	2

Testing accommodations recommended in an individualized education program or section 504 Accommodations Plan must be provided for all State and districtwide assessments administered to students with disabilities, as consistent with State policy. Students with disabilities should also receive these testing accommodations on Checkpoint C World Language Assessments, as permitted.

***Students in schools with an alternate pathway for graduation approved by the Commissioner will be held to those schools' criteria.**

*For More Information Visit: <http://www.nysed.gov/bilingual-ed/schools/new-york-state-seal-biliteracy-nyssb>

GENERAL COURSE INFORMATION

1. REQUIRED COURSES

Students must enroll in certain required courses each year and may take additional electives as desired. Students are reminded to select courses that complete their sequence requirements (if required).

Explanation of term **Prerequisite**: A course or courses that a student must complete before taking the next course in subject area, i.e., Global I, then Global II; English 9, then English 10. Indicated prerequisites must be met before proceeding to the next course.

2. HONOR STUDENT DESIGNATION

Honor designations are computed for students each quarter. To be recognized, students must be considered “full-time” students (carrying a minimum of 5 ½ credits) and have no “incompletes”. All courses taken for credit except Independent Study are used in computing the Honor Roll and all averages are “rounded up”.

The Honor Roll Categories are:

Honor	84.5-89.4%
High Honor	89.5-94.4%
Academic Merit	94.5-100%

3. DISTRICT PROCEDURES FOR OBTAINING COURSE CREDIT BY EXAMINATION

Section 100.5-(d) (1) of the Commissioners Regulations (Regents Action Plan) allows a student to earn course credit by examination in the following manner:

1. The principal of the school must approve of the student being able to benefit academically by exercising this alternative. Such approval should be based on

- the student having earned a final grade of 90% or higher in the previous course of the subject area in which the examination is to be given, and
- two recommendations from teachers of the subject area indicating the student's ability, skill level, and knowledge are sufficient to attempt and succeed via this alternative.

2. Upon being approved to obtain course credit by examination, a student must:

- Score at least an 85% on a State developed or State approved examination (This requirement may restrict this alternative to Regents courses).
- Pass an oral exam or successfully complete a special project to demonstrate proficiency. Both of these requirements are to be comprehensive, developed by the staff involved, and approved by the principal. If the exam is in a science course which requires a lab and lab reports, the student must also demonstrate proficiency in the necessary laboratory skills.

3. Any approved student not being successful in obtaining credit by examination as described herein must then schedule the course and proceed through it to completion in the regular manner in order to gain that credit.

4. No more than 6 1/2 credits can be earned in this manner towards graduation for either a Regents or local diploma.

5. A student must indicate his/her request for approval to earn credit by examination and without attending class prior to the school year commencing. It is not an option for a student who wishes to drop a course after the course has commenced.

6. New York States does not allow students to earn credit by examination for Language Acquisition courses.

4. ADVANCED PLACEMENT

Hilton High School presently offers advanced placement courses to students in: English, Calculus, Statistics, Chemistry, Computer Science, Physics, Biology, European History, Participation in Government, and World History. These courses involve more depth and breadth of content than the equivalent regent's course. The courses themselves are different from the Regents offerings in that the students must draw upon their entire store of knowledge and organize relevant information into a unified and coherent solution to problems.

A valuable benefit to students taking AP courses is their introduction to college level

work, both in terms of quality and quantity. It has been reported that students returning after a year in college have indicated AP courses helped them with both subject understanding and study habits. These courses may be awarded college credit, depending upon the college and score on the AP exam (usually 3 or above). Policies regarding AP credit vary from college to college and sometimes even major to major. Hilton High School cannot guarantee college credit will be awarded, regardless of score on an AP exam, and encourages families to reach out directly to any college to learn more about their AP credit policies.

In May, Advanced Placement exams are given in: English, Calculus, Statistics, Computer Science, Chemistry, Physics, Biology, European History, Participation in Government, American History, and World History. The exam fee is approximately \$96.00. **Students enrolled in the AP courses are expected to take the AP exam.**



INTERNATIONAL BACCALAUREATE

The International Baccalaureate Program is a rigorous pre-university course of study. It is a comprehensive, balanced curriculum that incorporates high standards of assessments. With a strong emphasis on international understanding, this program meets the needs of highly motivated students during their junior and senior year of high school. Students can either earn an IB Diploma or individual IB course certificates.

What are the benefits of taking IB classes?

- **IB classes stress critical thinking and analysis**
- **IB prepares students for college level work**
- **IB is looked at favorably by college admissions**

IB DIPLOMA REQUIREMENTS

The IB diploma student studies six subject areas concurrently. The six areas are: Language and Literature, Language Acquisition, Individuals and Societies, Experimental Science, Mathematics, and Arts and the Electives. Diploma candidates must select one subject from each of the six groups; however, the student can substitute an extra class from groups 1-5 for a course in group 6 (Arts and the Electives). At least three (3) and not more than four (4) of the courses are taken at the higher level (HL), the other courses are standard level (SL). HL courses are two years long, while most SL courses are one year long.

Additional Requirements for IB Diploma Candidates

In order to earn an IB Diploma, the student must fulfill the following requirements:

Creativity, Activity, and Service

In order to encourage students to be thoughtful, well-rounded people, IB diploma students engage in CAS. A CAS coordinator will help the student make appropriate choices. CAS occurs outside the school day – it is not a scheduled course.

Extended Essay

The extended essay is a 3000-4000 word research essay under the guidance of a mentor. The skills needed to complete the extended essay are key to successful academic research at the college level. The student can meet with his/her extended essay mentor before, during and/or after school – the extended essay does not occur during a scheduled course.

Theory of Knowledge

When can you trust your senses? Is there ever a time we can rely on emotion over reason? What is art? Is imagination important to a historian? Is math invented or discovered? How do we judge whether our behavior is morally correct? How can we know the answers? These are the types of questions students will investigate in this discussion-based course that focuses on critical reflection of knowledge. It is a one year course for non-IB diploma students and a two year course for IB diploma students. The course is open to juniors and seniors.

IB Certificates

Students may elect to take one or more IB courses in order to earn an IB certificate. The student is not required to complete the additional requirements.

Want more info? Go to Google and type “Hilton IBDP”

IB COURSES

Many IB classes are two years long. As with AP Classes, any student taking an IB Class is expected to sit for the exam. The exams are approximately \$96 each. The chart below indicates how long the IB class is (one or two years) and when payment for the exam is due.

IB Class	Junior Year	Senior Year
IB English Literature Two year course	IB English Literature 11 <hr/> No payment due	IB English Literature 12 <hr/> Exam payment due in October
IB Language & Literature Two year course	IB Language & Lit 11 <hr/> No payment due	IB Language & Lit 12 <hr/> Exam payment due in October
IB French One year course, always in the senior year	French 4	IB French <hr/> Exam payment due in October
IB Spanish One year course always in the senior year	Spanish 4	IB Spanish <hr/> Exam payment due in October
IB History of the Americas Two year course	IB History of the Americas 11 <hr/> No payment due	IB History of the Americas 12 <hr/> Exam payment due in October
IB Psychology One year course Students pay for the course the year it is taken	IB Psychology <hr/> Exam payment due in October	IB Psychology <hr/> Exam payment due in October
IB Biology One year course Students pay for the course the year it is taken	IB Biology <hr/> Exam payment due in October	IB Biology <hr/> Exam payment due in October
IB Chemistry Two year course	IB Chemistry 11 <hr/> No payment due	IB Chemistry 12 <hr/> Exam payment due in October
IB Math Applications One year course Students pay for the course the year it is taken	IB Math Application <hr/> Exam payment due in October	IB Math Application <hr/> Exam payment due in October

IB Class	Junior Year	Senior Year
IB Math Analysis One year course Students pay for the course the year it is taken	IB Math Analysis Exam payment due in October	IB Math Analysis Exam payment due in October
IB Visual Arts Two year course	IB Visual Arts 11 No payment due	IB Visual Arts 12 Exam payment due in October
Theory of Knowledge One year course. Open to juniors or seniors. No fee for this course	Theory of Knowledge No payment due	Theory of Knowledge No payment due
IB Sports, Exercise, Health Science (SEHS) One year course Students pay for the exam the year it is taken	IB SEHS Exam payment due in October	IB SEHS Exam payment due in October
IB Film Two year course	IB Film 11 No payment due	IB Film 12 Exam payment due in October
IB Theatre Two year course	IB Theatre 11 No payment due	IB Theatre 12 Exam payment due in October

IB MIDDLE YEARS PROGRAM

The International Baccalaureate (IB) Middle Years Program is a curriculum framework for students in grades 5 through 10. Eight subjects compose the Middle Years Program: The Arts (visual arts, music), Individuals & Societies (social studies), Language & Literature (English Language Arts), Language Acquisition (Spanish or French), Mathematics, Physical Education and Health, Science and Design (Technology). **ALL** students at Hilton High School in grades 9 & 10 are apart of the IB Middle Years Program. After students have completed the Middle Years Program Personal Project at the end of tenth grade, they can decide if they would like to pursue the complete Diploma Program or select Diploma Program courses for 11th and 12th grade.

REQUIREMENTS FOR ALL GRADE 9 & GRADE 10 STUDENTS

- | | |
|--------------------------------------|--|
| • Language & Literature | The Arts (Performance & Visual) |
| • Individuals & Societies | Design (Technology) |
| • Language Acquisition | Electives |
| • PE Math Science | |



10th Grade Personal Project

The personal project provides an excellent opportunity for students to participate in a sustained, self-directed inquiry and produce a truly personal and often creative product/outcome. The project, which is required by Hilton CSD, allows students to develop deeper understandings through in-depth investigation over an extended period of time and offers many opportunities for differentiation of learning and expression according to students' individual needs. The personal nature of the project is important; the project should revolve around a challenge that motivates and interests the individual student. Each student develops a personal project independently. Students will have monthly advisement times during the school day between September and March of 10th grade to work on the project. However, time outside of school will also be required to complete the project.

The project has 3 parts:

1. **Paper:** detailed report that discusses planning, skills practice and reflection on process as well as written or picture evidence of process.
2. **Product:** what the student created as a result of the project. Evidence of progress and final product should be included in the report.
3. **Presentation:** short presentation to celebrate and culminate the project.

The report will be assessed using a rubric and reported on the 3rd Quarter student report card as a Pass/Fail along with a notation on the transcript of whether the project was completed or not. The presentation serves as an opportunity for students to practice valuable public speaking skills while sharing their project with others and celebrating its completion.

Students may begin their personal project at the end of 9th grade or over the summer. Many students find beginning the project before 10th grade starts helps them to stay on track and use their advisement times efficiently. In doing so, students maximize the benefit of learning and take pride in their accomplishment.

Much more detailed information about the project and Middle Years Program can be found on the Hilton High School website under the "IB" tab.

ART DEPARTMENT

The Hilton Central School District Visual Art Program strives to develop characteristics that cultivate life-long participants in the visual arts! Our students will demonstrate aesthetic awareness and appreciation by interpreting the world through the visual language of art. Through exploration of, and participation in the artistic process, students will refine personal communication by developing originality and self-expression. By engaging in artistic experiences that challenge them to solve problems in a creative way, students will develop critical and conceptual responses with a variety of tools and media.

PROGRAM DESCRIPTION

The Art Program at Hilton High School is organized to offer all students success as they learn about and create works of art. The program is sensitive to the varying degrees of skill, interest, and art education that students bring to the classroom. Helping all students to grow in their ability to appreciate and to create art is a core goal of the Art Department! While one credit in art is all that is required by the state for graduation, many students who enter the art program to fulfill this requirement are so impressed with their accomplishments and growth that they continue in a 3 or 5-credit sequence to further develop their knowledge of art. We encourage and nurture full sequence participation by all students in the Art Program.

Fulfilling the Graduation Requirement – The following two courses will fulfill the art/music requirement:

Studio In Art
Digital Art & Design

Prerequisite Requirement – The Studio in Art course is a prerequisite for many art classes in the department. Check each course for specific prerequisite requirements.

ART 100 STUDIO IN ART 9, 10, 11, 12

This course explores a wide variety of concepts using the Elements and Principles of art. Students are taught and encouraged to see and think creatively and artistically! Materials used include acrylic paint, printmaking, clay, pastel, pencil, Photoshop and mixed media. Topics include color, creating value/form, composition, perspective, and art history. This course satisfies the 1-credit high school Art/Music requirement and is a prerequisite to most other classes.

Full Year Course 1 credit

Prerequisite: None

ART 110 DIGITAL ART & DESIGN 9, 10, 11, 12

In this computer driven art course, students will thoroughly learn and create with Adobe Illustrator and Photoshop. Students will be introduced to the fundamentals of art and design while creating a series of digital works. Topics include graphic design, working with text, image manipulation, expression and art history. This course satisfies the 1-credit high school Art/Music requirement.

Full Year Course 1 credit
Prerequisite: None

ART 200 DRAWING & PAINTING 10, 11, 12

Fundamentals learned in Studio in Art are employed in the creation of advanced level 2-dimensional artwork. Pencil, ink, acrylic painting, pastels and portraits are among the units explored. Mastery in manipulation of media and technique as well as use of creative thinking will be a focus.

Full Year Course 1 credit
Prerequisite: Studio in Art



ART 210 ANIMATION & DIGITAL ILLUSTRATION 10, 11, 12

Animation & Illustration builds upon the foundational skills from Digital Art & Design. Students will develop animated works that relate to a variety of topics and concepts. Students will also study comic book art, gaming design, and multimedia arts while creating short videos and finished digital illustration. Adobe Illustrator and Animate are among the digital platforms that will be covered. The course will focus on visual sequences that tell a story or illustrate a theme or message. Thumbnail sketches, storyboards, rough drafts, and

written work will join completed projects to help develop analytical and technical skills.

½ Year Course

½ credit

Prerequisite: Digital Art & Design

ART 211 MOTION GRAPHICS & EFFECTS

10, 11, 12

Motion graphics also builds upon the foundational skills from Digital Art & Design. Students will apply design principles to video production by using and creating animations and visual effects. Topics and themes could include creating advertisements, title sequences for movies, videos, and infographics to communicate to an audience. Motion Graphics is a studio course that looks at current trends and real world application while incorporating your own artistic expression. The featured software is Adobe After Effects. Some computer knowledge is necessary.

½ Year Course

½ credit

Prerequisite: Digital Art & Design



ART 220 CERAMICS

10, 11, 12

Ceramics is a full-year course that gives students the opportunity to learn about and develop original works of art, using clay. Building on their study of 3D artwork from Studio Art, students will learn hand-building techniques like pinch, slab, and coil. Additionally, students will learn how to throw on the potter's wheel. Students will be able to use all these skills to create a wide variety of sculptural and functional artworks.

Full Year Course

1 credit

Prerequisite: Studio in Art

ART 301 SCULPTURE

10, 11, 12

Sculpture will give students the opportunity to work and explore creating 3-Dimensional work with a

variety of possible sculptural materials, like wood, plaster, clay and even metal! Students will experiment with approaches to 3D art including relief sculpture, casting, carving, and kinetic sculpture. This half-credit course gives students the opportunity to continue developing an artistic style through the creation of 3D works of art!

½ Year Course

½ credit

Prerequisite: None

ART 302 JEWELRY & METALS

10, 11, 12

Jewelry & Metals is a ½-year course that will present 10th, 11th, or 12th grade students with an opportunity to create functional and sculptural jewelry. In this course students will be exposed to a wide range of materials and methods including different metal constructions. Students will utilize different concepts, as well as historical and cultural elements to imagine, design, and create these 3-D artworks.

½ Year Course

½ credit

Prerequisite: None

ART 332 PHOTOGRAPHY IN ART

10, 11, 12

This full-year course focuses on using photography as an art form. The course will cover the basics of black and white film photography, along with related creative processes. Digital photography concepts will also be addressed and explored, through the use of digital tools and computer software! Using both methods, students will research, explore and produce images that show artistic expression through their use of subject matter, composition, the elements of art and the principles of design.

Full Year Course

1 credit

Prerequisite: Studio in Art or Digital Art & Design

ART 601 ADVANCED 2D ART & IB

11

ART 611 ADVANCED 2D ART & IB

12

The Advanced 2D/IB Art course is designed to allow students the opportunity to create personally meaningful 2-D artwork. Students will participate in creative processes within a structured studio environment, in order to work towards a personal exhibit showcasing their own artistic interests and abilities. The course covers advanced expressive techniques and skills in a wide array of fields students can explore, such as drawing, painting, photography, fashion design, illustration, bookmaking, printmaking, and graphic design. Students have flexibility to make personal choices for media and subject matter, throughout much of the course.

Full Year Course
Prerequisite: None

1 credit

and the fee for students on the free/reduced lunch is waived by New York

Students that choose IB coursework complete the DP assessment throughout the 2-year course, culminating in April of 12th grade; Students completing the assessment and scoring a 5 or higher on the HL components can earn college credit at many colleges and universities; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$97. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York.

**ART 600 ADVANCED
CERAMICS/SCULPTURE & IB 11**

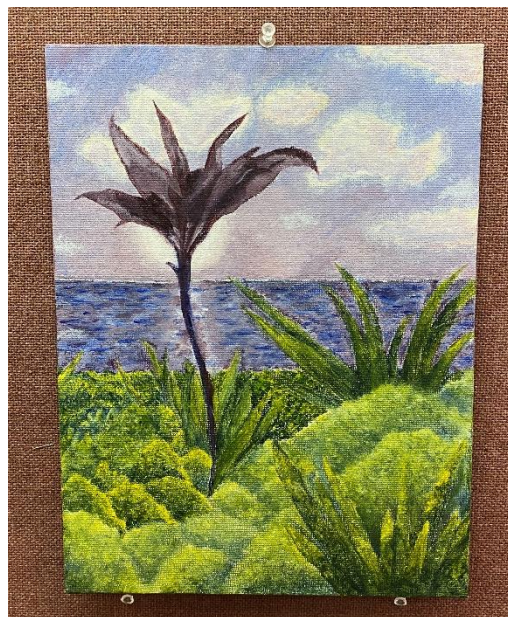
**ART 610 ADVANCED
CERAMICS/SCULPTURE & IB 12**

The Advanced Ceramics/Sculpture & IB course is designed to allow students the opportunity to create personally meaningful 3-D artwork. Students will participate in creative processes within a structured studio environment, in order to work towards a personal exhibit showcasing their own artistic interests and abilities. The course covers advanced expressive techniques and skills in a wide variety of media and methods, including hand-built ceramics, pottery, carving, construction, installation and other forms of sculptural design. Students have flexibility to make personal choices for media and subject matter, throughout much of the course.

Full Year Course
Prerequisite: None

1 credit

Students that choose IB coursework complete the DP assessment throughout the 2-year course, culminating in April of 12th grade; Students completing the assessment and scoring a 5 or higher on the HL components can earn college credit at many colleges and universities; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$97. Payment plans are available



Art Department Courses 9th-12th

Either Course: Digital Art OR Studio Art
Meets NYS Graduation Requirement - 1 year of Art (or music)

Digital Art & Design
full year

Studio in Art
full year

After Digital Art
Any Course Below

After Studio Art
Any Course Below

Animation &
Digital Illustration
1/2 year

*Drawing &
Painting
full year

*Ceramics
full year

*Motion Graphics
& Effects
1/2 year

Digital Art
& Design
full year

Sculpture
1/2 year

*Photography
in Art
full year
Can be taken after Digital or
Studio Art

*Photography
in Art
full year
Can be taken after Digital or
Studio Art

Jewelry & Metals
1/2 year

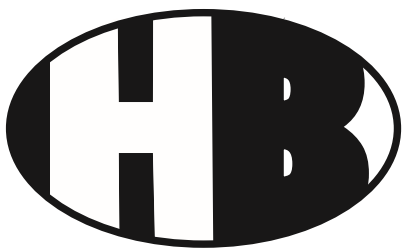
~Advanced 2D Art & IB - 11
full year

~Adv Ceramics/Sculpture/ IB 11
full year

~Advanced 2D Art & IB - 12
full year

~Adv Ceramics/Sculpture/ IB 12
full year

* Requires a Digital Art or Studio Prerequisite ~ Previous Art class Recommended



BUSINESS EDUCATION DEPARTMENT

The Hilton High School Business Department is a pathway to graduation, college and a career in business. Our Career and Technical Education (CTE) graduates have a head start for today's competitive business world. By enrolling in Hilton Business students will be exposed to relevant career exploration and a framework of courses for solving problems and making intelligent decisions in the highly competitive world of business.

DUAL ENROLLMENT PROGRAM THROUGH MCC

Students enrolled in the following courses may register with MCC for college credit. Upon successful completion, students may receive both high school and college credit. Credit may be transferred to most colleges/universities within the state. Students pay approximately one-third the MCC tuition.

Accounting
Intro to Law
Entrepreneurship (MCC Spring Semester Enrollment)
Personal Money Management

Students enroll in this program within the first few weeks of class. Enrollment is handled by the classroom teachers and MCC will bill parents directly.

BUSINESS EDUCATION

Business is the #1 college major, so why not start now?

BUS 100 CAREER & FINANCIAL MANAGEMENT 9, 10, 11, 12

Career and Financial Management teaches students life skills. This full year introductory business course is designed to help students explore careers, how to find a job, and how to properly manage their finances. The first semester consists of career exploration, career management, time management, the job process from writing a resume to accepting a job, and work-related issues. The second semester allows students to develop personal financial management skills as they learn about: wage calculation, financial planning, budgeting, credit management, insurance, taxation, and saving and investing. As a culminating project, students are expected to complete a job portfolio (which will be completed in class) and take a final examination, administered in class.

Full Year Course

1 credit

BUS 110 KEYBOARDING 9, 10, 11, 12

In today's society, what occupation does not require an employee to use the computer? This half year computer course is designed to teach students how to communicate with today's advancements in information technology. Students will learn to use the keyboard to type accurately and efficiently while learning to type basic business documents (memorandums, tables, letters, MLA reports, outlines, agenda, and meeting minutes). Keyboarding is a must for using a computer and will help students succeed in high school and furthering their education.

½ Year Course

½ credit

Prerequisite: None

Offered both semesters

BUS 200 PRINCIPLES OF MARKETING 9, 10, 11, 12

This ½ year business course is uniquely designed for students to learn the entire process of marketing from beginning to end by creating and designing an actual product that will be sold on line and in the school store. Students will incorporate strategies for pricing, implement promotions, create advertisements and implement merchandising concepts for producing a successful marketing campaign.

½ Year Course

½ credit

Prerequisite: None

BUS 202 SPORTS & ENTERTAINMENT MARKETING 9, 10, 11, 12

Did you ever wonder what it would be like to own your own sports team or manage your favorite entertainer? This specialized marketing course is designed to take a student's passion for sports and entertainment and to develop skills in the areas of facility design, merchandising, advertising, publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

½ Year Course **½ credit**
Prerequisite: None **Offered both semesters**

BUS 300 INTRO TO LAW 11, 12

Interested in learning about the laws that really matter to you and your life? Which court do I go to? What happens when my parents divorce? Who pays child support? Who do I live with? How do I buy a car? What happens if I get into an accident? What if someone hits me? What if I am out past curfew? What if my friend gets caught with an illegal substance? What legal rights do I really have? Does it matter that I am a minor? If any or all of these questions sound interesting to you, Law For Me is for YOU! Learn about the legal system in a way you can understand it. As part of the course, you may learn about the legal system through mock trials. You'll attend a field trip to the court house in the spring and see what it looks like from the inside. You may even sit in on a great case! You will also have the opportunity to listen to and talk to professionals in the legal field. It's a great course if you think you may like the law, but would like to know more about it and what careers it offers.

Full Year Course **1 credit**
Note: Dual Credit through MCC may be available

BUS 310 CRIMINAL JUSTICE 11, 12

Do you enjoy watching the television shows CSI, NCIS, or Law and Order? If so, learn more about the criminal justice system, its laws, procedures, and issues relating to crimes in Criminal Justice. Students will learn about various crimes, victim rights, and the role of police in criminal matters. Examination of criminal cases and juvenile justice will also be explored. A variety of guest speakers from the

legal field will bring real world connections to this interesting classroom. Criminal Justice is suggested for students interested in pursuing a career in law or criminal justice.

½ Year Course **½ credit**
Prerequisite: None **Offered both semesters**

BUS 320 CRIMINAL JUSTICE II 11, 12

Criminal Justice II, an extension of Criminal Justice, teaches students about various police concepts, such as vehicle stops and search and seizure. Students will also examine correctional institutions, rehabilitation facilities, booking, and capital punishment. Crime prevention strategies will also be examined. Criminal Justice II is suggested for students interested in pursuing a career in law or criminal justice.

½ Year Course **Offered both semesters** **½ credit**
Prerequisite: Criminal Justice

BUS 330 CRIMINOLOGY 11, 12

Criminology, the sociological study of crime, is a half year course that teaches students the socio-cultural response to criminal and deviant behavior. Throughout this course, students will examine the historical development of criminality, as well as current theories that try to explain criminal behavior. Students will learn how criminologists measure and study crime by examining research methods commonly used by researchers. Issues such as the rule of law and the political, social, and economic institutions that generate crime will also be investigated.

½ Course **½ credit**
Prerequisite: None **Offered both semesters**

BUS 350 ACCOUNTING 10, 11, 12

Accounting, one of the most sought after professions, introduces students to the "language of business." Students will learn to record basic business transactions and how to complete financial statements. Students will master the basic accounting skills and concepts of double-entry accounting, while also learning useful personal recordkeeping, banking, maintaining checkbook records, income tax, and budget preparation. Once entry recording is mastered, students will then use the most up-to-date accounting software so

they will be able to be employed as an entry-level bookkeeper. Accounting is a must for any student looking to pursue a degree in Business Administration/Management, Accounting, or Finance.

Full Year Course **1 credit**

NOTE: Dual Credit through MCC may be available.

BUS 400 PERSONAL MONEY MANAGEMENT 10, 11, 12

Personal Money Management teaches students financial life skills. This half year course is an extension of financial literacy skills learned in Career and Financial Management and is designed to inform students how personal finance and related financial literacy skills directly correlate to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance.

Among the student outcomes of this course are the following:

- Set and prioritize financial goals.
- Develop personal monthly budgets and spending plans.
- Obtain financial security.
- Distinguish between wealth and income.
- Calculate the time value of money.

The mission of this ½ year course is to empower students to make informed financial decisions and recognize outcomes that promote financial independence as they begin to consider next steps after high school graduation.

½ Year Course **½ Credit**
Prerequisite: Career and Financial Management

BUS 501 CYBER ETHICS & LAW 9, 10, 11, 12

Cyber Ethics and Law is a semester course that will teach students to use technology to enhance their educational experience and everyday life, while protecting them from thieves and predators. In this course, students will learn how cyber issues relate to social networking sites, cyberbullying, sexting, education, cyber spams and hoaxes, and

copyright infringement. Students will also learn how to use new media and online sources to enhance daily life and school.

½ Year Course **½ credit**
Prerequisite: None **Offered both semesters**

BUS 550 ENTREPRENEURSHIP 10, 11, 12

Students will explore the fundamental elements of creating, managing, and running a successful business. Students will analyze and develop their own personal attributes needed to be a successful entrepreneur. Students will demonstrate the functions of business and apply them in operating a business. The course culminates with the student developing a plan to implement a business venture.

Full Year Course **1 credit**
NOTE: Dual Credit through MCC may be available.

ENGLISH DEPARTMENT

Students in Hilton ELA classes will use language as a means to better understand themselves and the human condition. They will explore other ways of thinking, become critical, literate, creative, and lifelong readers, writers, listeners, and speakers.

All English 9, 10, and 11 courses are taught at the Regents level of instruction and follow the Next Generation Learning Standards for reading, writing, listening and speaking, and language. All students in English 11 will take the New York State Regents English Examination.

1. The student **MUST** pass English 9 before taking English 10, English 10 before taking English 11, and English 11 before taking English 12, unless seeking early graduation (see #3).

2. Students failing an English course must repeat the course the following year unless the course has been successfully repeated in summer school.

3. Early graduates should consult with their counselor to ensure four English credits for graduation.

4. Students are required to take and pass:

English 9	1 credit
English 10	1 credit
English 11 (w/Regents Exam)	1 credit
English 12, IB/AP English or Tech Reading and Writing	1 credit

9TH GRADE

ELA 100 ENGLISH 9

This course is designed for all ninth grade English students. Students will be exposed to a variety of genres that span many ages and cultures. These works include classic literature ranging from Shakespeare and graphic novels to modern novels, short stories, and poems. Students will complete writing tasks such as literature essays, reports, and creative projects that are designed to parallel the tasks required on the NYS Regents English

Examination usually given in 11th grade. Students will be expected to complete a research paper following the MLA format. Assessments and unit tasks are aligned to prepare students to meet the district and Common Core Learning Standards.

Full Year Course

1 credit

10TH GRADE

ELA 200 ENGLISH 10

Students will learn to use multiple types of materials to explore a variety of concepts such as integrity, strength, justice and truth. A typical unit might have students working with a question like: how do we discover more about ourselves and the people around us or 'what does it mean to be fair?' To better understand this question, students will be presented with a variety of text types designed to show them various perspectives of these questions. Students will also work on a variety of speaking and writing assignments throughout the year designed to improve their ability to communicate effectively. Assessments are designed to prepare students to meet the Next Generation Learning Standards.

Full Year Course

1 credit

Prerequisite: English 9

11TH GRADE

ELA 602 ENGLISH 11: IB LITERATURE

In this more traditional literature-based course, students focus on literary analysis of a variety of genre ranging from novels and plays to poetry and non-fiction. During the year we will discuss literary periods, styles, thematic, historical, and philosophical connections between the works. The inclusion of work produced in other languages and cultures designed to encourage students to reflect on and address their own cultural assumptions is an important part of this course.

Students will work on improving their ability to express themselves verbally as well as in writing, with persuasive writing focusing on elements of purpose, audience, argumentation, and style.

12TH GRADE

This course gives the opportunity for students to improve their critical skills as well as become more literate, critical life-long thinkers, readers, and speakers. Assessments will include a variety of written and verbal tasks designed to prepare students for success beyond high school as well as meet Next Generation Learning Standards.

Part of the benefit of this course is that it is the first part of a two year sequence. By taking both years of this course, students are eligible to take the IB Language and Literature exam and if successful, earn an IB certificate for the course.

Students will take the NYS Regents Examination in English.

Full Year Course **1 credit**
Prerequisite: English 10

ELA 603 ENGLISH 11: IB LANGUAGE & LITERATURE

This course is designed to work with students to help them look at literature and a variety of materials and analyze them from multiple perspectives. An important part of the course is the examination of work produced in other languages and cultures which will encourage students to reflect on and address their own cultural assumptions. Along with this, issues ranging from gender, power and identity and how they figure into political pressure and censorship, or the role of the individual and family in society, will be considered throughout the year.

This course gives the opportunity for students to improve their critical skills as well as become more literate, critical life-long thinkers, readers, and speakers. Assessments will include a variety of written and verbal tasks designed to prepare students for success beyond high school as well as meet Next Generation Learning Standards.

Part of the benefit of this course is that it is the first part of a two year sequence. By taking both years of this course, students are eligible to take the IB Language and Literature exam and if successful, earn an IB certificate for the course.

Students will take the NYS Regents Examination in English.

Full Year Course **1 credit**
Prerequisite: English 10

ELA 470 ENGLISH 12: TECHNICAL READING & WRITING

The focus of the course is to prepare students for the technical reading and writing material they will encounter as high school students, college students, and in today's technologically based workplace. Students will produce documents such as instructional brochures, manuals, and presentations giving them a chance to learn and apply a variety of technical reading and writing skills and strategies as well as have an opportunity to gain an in-depth knowledge in a field of interest. Career/Course links: graphics, broadcast media, technical careers, journalism, marketing, business, and electronic media.

C.T.E. students will be given priority. Students are required to complete a Senior project.

Full Year Course **1 credit**
Prerequisite: English 11

ELA 500 ENGLISH 12: AP ENGLISH

The AP Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

The exam fee for this course is \$96. Payment plans are available and the fee for students on free/reduced lunch is reduced by New York State.

Full Year Course **1 credit**

ELA 604 ENGLISH 12: IB LITERATURE

This course encourages the investigation of the variety of connections present in the works read. Students are taught to recognize and explore these connections. In this second year of the two year sequence, students continue to work on improving the skills necessary to investigate, develop, and communicate a

will also address emotional, physical and digital safety, teaching students to prevent, recognize, and respond appropriately to potential dangers and dangerous situations.

½ Year Course

½ credit

HLT 310 EXPLORING HEALTH CAREERS 9, 10, 11, 12

Exploring Health Careers is a semester long course that is offered as an elective. This course does not replace the Health Education course that is required for graduation. This course will assist students interested in pursuing health careers. Students will be acquainted with a variety of health professions (i.e.: biomedical sciences, chiropractics, dentistry, dietetics/nutrition, health studies, massage therapy, medicine, nursing, occupational therapy, paramedic, pharmacy, physical therapy, pre-med, radiologic technology and sports medicine). An overview of the health care system and the current supply and demand for health care professionals will be provided. Training/licensing requirements, job responsibilities, entry-level salaries, etc. will be researched.

Students will assess their own interests, values, personality and abilities as they relate to health careers. This course will help students decide if a career in the health professions is a good fit for them. Students will integrate the knowledge acquired in this course to develop goals and an action plan to pursue their career choice.

½ Year Course

½ credit

Prerequisite: None

Offered both semesters

HLT 600 IB SPORT, EXERCISE AND HEALTH SCIENCE 11, 12

Enjoy sports? Enjoy exercise? Enjoy Science? If you answered “yes” to any of these questions, this course is for you. Sport, Exercise and Health Science is a yearlong course that will be offered to 11th and 12th grade students. This course meets the graduation requirement for health education.

This course incorporates the disciplines of Anatomy, Exercise Physiology, Biomechanics, Psychology and Nutrition and will be studied in the context of Sport, Exercise and Health. Students will study these core topics as well as a range of optional topics. They will undertake

practical investigations in both laboratory and field settings. Athletic training, physical therapy, kinesiology, and orthopedics are all growing medical fields. If you have an interest in going into any of these fields or just want to learn more about the course topics, this is the course for you.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course

1 credit

Prerequisite: None

PHYSICAL EDUCATION

A physically educated student is committed to maintaining lifelong physical fitness. Students will understand the physical, social and emotional benefits of physical activity through participation in a variety of lifetime activities. Leadership, teamwork, communication and problem solving skills will be demonstrated and applied to everyday life. Students will achieve and sustain a health-enhancing level of physical fitness as a foundation for a productive and fulfilling life.

Physical Education is a mandated course for all students in public schools of New York State and is a requirement for graduation from Hilton High School. Students will receive a ½ credit per year for successful completion of Physical Education for a total of 2 credits upon graduation.

PED 100/110 PHYSICAL EDUCATION 9/10

The Physical Education curriculum offers a wide variety of units to students in order to meet the New York State Standards. Students will be exposed to a variety of activities from each of the following areas of the curriculum: fitness, lifetime activities, team sports, individual/dual sports, aquatics and cooperative activities. Students complete a physical fitness test two times per year to assess their health-related fitness. Students are expected to demonstrate competency in self-evaluation of health-related fitness and fitness planning.

Full Year Course

½ credit

Prerequisite: None. Offered every other day

PHYSICAL EDUCATION 11/12 OVERVIEW

The 11/12 Physical Education curriculum is based on a selective program, whereby students may choose from a number of tracks in order to meet the New York State Standards. The following tracks, as outlined below, will be offered to 11th and 12th grade students: Outdoor Education/Adventure Challenge, Team Sports, Strength and Conditioning, Lifetime Activities and Unified Physical Education. Each track is a ½ credit and helps meet the graduation requirement in physical education. In addition to learning and utilizing knowledge and skills specific to each track, students will meet the physical education standards for fitness. All students will complete a physical fitness test two times per year to assess their health-related fitness. Students are expected to demonstrate competency in self-evaluation of health-related fitness and fitness planning.

Full Year Course ½ credit
Prerequisite: None Offered every other day

PED 005 OUTDOOR EDUCATION/ ADVENTURE CHALLENGE 11, 12

Outdoor Activities/Adventure challenge is a yearlong course that will be offered to 11th and 12th grade students. Students will receive a ½ credit for taking this course and it will help meet the graduation requirement in physical education. Students will use cooperative based activities to learn and develop interpersonal, decision-making and problem solving skills. Students will be introduced to outdoor activities such as hiking, kayaking, fire building, tenting, camping experiences, snow shoeing, cross country skiing, fishing, plant identification, animal footprint identification, and other outdoor lifetime activities. Students will also be exposed to various cooperative activities, including the outdoor low and high element challenges on our outdoor course at the HS. Students will learn essential skills needed for the high ropes course including belaying and knot tying. Students will be encouraged to challenge themselves and take risks as well as discover their own leadership potential. Students will develop many life-long skills as they participate in cooperative group games, trust building activities and problem-solving challenges. The culminating event will be an optional off campus overnight experience

that connects all of the skills and lessons learned throughout the year.

Full Year Course ½ credit
Prerequisite: None Offered every other day

PED 010 TEAM SPORTS 11, 12

Team Sports is a yearlong course that will be offered to 11th and 12th grade students. Students will receive a ½ credit for taking this course and it will help meet the graduation requirement in physical education. The focus of this course is on students gaining competency and proficiency in teamwork, sportsmanship, game strategy, rules and conventions and skill acquisition through their participation in a variety of team games. Students will develop many life-long skills as they practice demonstrating responsibility, communication, cooperation, teamwork and leadership. Students will take on many different roles (ex: coach, captain, player, official, team trainer/fitness instructor, statistician, equipment manager, score keeper) with the goal of helping them become competent, literate, and enthusiastic sport participants.

Full Year Course ½ credit
Prerequisite: None Offered every other day

PED 015 STRENGTH AND CONDITIONING 11, 12

Strength and Conditioning is a yearlong course that will be offered to 11th and 12th grade students. Students will receive ½ credit for taking this course and it will help meet the graduation requirement in physical education. The focus of this course is on students obtaining proficiencies in personal fitness and nutritional concepts with the ultimate goal of enhancing personal health and fitness. This will be accomplished through a comprehensive program design and implementation with special attention on developing speed, agility, range of movement, cardiovascular endurance, strength and endurance and sport specific power. Through this program students will better reach their highest fitness potential. Students will be designing and utilizing a personal fitness and nutrition plan.

Full Year Course ½ credit
Prerequisite: None Offered every other day

PED 002 LIFETIME ACTIVITIES 11/12

Lifetime Activities is a yearlong course that will be offered to 11th and 12th grade students. Students will receive a ½ credit for taking this course and it will help meet the graduation requirement for physical education. The focus of this course is on students obtaining competency and proficiency in activities that increase personal fitness as well as exposure to lifetime activities and individual/dual sport activities. Some activities to be included in this course are tennis, badminton, pickleball, table tennis, archery, disc golf, recreational games and yoga. Students will obtain competency and proficiency in teamwork, sportsmanship, game strategy, rules and conventions, skill acquisition, personal fitness and personal living skills.

Full Year Course ½ credit
Prerequisite: None Offered every other day

**PED 020 UNIFIED PHYSICAL EDUCATION
11,12**

Unified Physical Education is a yearlong course that will be offered to 11th and 12th grade students. Students will receive ½ credit for taking this course and it will help meet the graduation requirement in physical education. Unified PE combines general education with special education students who have an IEP that has them participating in adaptive physical education. Students work together to create a cohesive, inclusive environment to meet the physical education needs of all students. All students are accountable for all components of a comprehensive physical education program. Students will obtain competency and proficiency in activities that increase personal fitness as well as exposure to lifetime activities, individual/dual activities and team sports. Students will obtain competency and proficiency in teamwork, sportsmanship, game strategy, rules and conventions, skills acquisition, personal fitness and personal living skills.

Full Year Course ½ credit
Prerequisite: None Offered every other day

WORLD LANGUAGE ACQUISITION (FRENCH/SPANISH)

Through the development of reading, writing, listening and speaking skills, HCSD World Language Acquisition students will communicate effectively in the target language fostering life-long learners who question the work around them and seek a deeper understanding of other cultures. Furthermore, students will develop the skills attitudes and perceptions necessary in becoming global citizens. This development of global awareness will allow our students to view the world as collective rather than fragmented by borders.

PROGRAM DESCRIPTION

Success in our world requires clear communication abilities and a strong confidence in being able to relate effectively to others. By focusing on communication in French and Spanish and by providing access to the minds and spirit of people in an obviously interdependent world, the intent is that the reality of success in the world for each student is increased.

Focusing on such practical topics as personal identification, house and home, family, education, sports and leisure, travel, and the physical environment, students are encouraged to play an informed and constructive role in shaping a peaceful and secure world. Individual creativity and the capacity for critical thinking will be supported in each unit as we build the foundation for individual and group success.

An authentic communication emphasis occurs in all courses, giving students an opportunity to examine their own language patterns while learning a second language and studying other cultures.

World Language Acquisition Specific Graduation/Diploma Requirements

In order to fulfill the World Language Acquisition requirement for the Regents Diploma:	In order to fulfill the World Language Acquisition requirement for the Regents Diploma with Advanced Designation:	Beyond fulfilling requirements for the Regents and Regents with Advanced Designation:
<ul style="list-style-type: none"> ➤ Students must: successfully complete Spanish or French 1A and 1B courses (Checkpoint A) and pass a comprehensive examination that is aligned to the Checkpoint A learning standards for World Language. This is generally completed at the Middle School. <li style="text-align: center;">OR ➤ Students must take and pass Spanish or French 1* (equivalent to Checkpoint A) at the High School level. <p>*Note: All students continue World Language in grades 9 and 10 to fulfill the MYP (Middle Years Programme) requirement.*</p>	<ul style="list-style-type: none"> ➤ In addition to earning one high school credit for Spanish or French 1, students must continue in the language to complete a sequence (both levels 2 and 3). Students must successfully complete levels 2 and 3 (Checkpoint B) and pass a comprehensive examination that is aligned to the Checkpoint B learning standards for World Language. 	<ul style="list-style-type: none"> ➤ Levels 4 & IB are offered in both Spanish and French. ➤ Those students wishing to earn their IB Diplomas must complete levels 4 & IB French or IB Spanish. ➤ Opportunities are available for level 4 & IB World Language students to earn college credit through Monroe Community College.

LTE 100 SPANISH 1 9, 10, 11, 12

This course is designed for students with no prior world language experience, students who did not successfully complete the Level 1 course, or for those high school students wanting to study a third language. Emphasis is placed on four areas: listening, speaking, reading, and writing. The communication approach is stressed with emphasis on real life situations and the ability to communicate meaningfully.

Full Year Course **1 credit**
Prerequisite: None

LTE 110 FRENCH 1 9, 10, 11, 12

This course is designed for students with no prior second language experience or students who did not successfully complete the level 1 course and/or for those high school students wanting to study a third language. Emphasis is placed on the four areas of: listening, speaking, reading, and writing. The communication approach is stressed with emphasis on real life situations and the ability to communicate meaningfully.

Full Year Course **1 credit**
Prerequisite: None

LTE 200 SPANISH 2 9, 10, 11, 12

This course is designed to use the Spanish language studied during level 1. The emphasis is placed on using the language for communication. Reading, writing, and listening skills are also enhanced. Thematic units related to house and home, family, personal identification and others are taught with the use of role playing, video recordings, educational games, hands on projects and technology.

Full Year Course **1 credit**
Prerequisite: Spanish 1AB, Spanish 1B or Spanish 1

LTE 210 FRENCH 2 9, 10, 11, 12

This course is designed to use the French language studies during level 1. The emphasis is placed on using the language for communication. Reading, writing and listening skills are also enhanced. Thematic units related to house and home, family, personal identification and others are taught with the use of role playing, video recordings, educational games, hands on projects and technology.

Full Year Course **1 credit**
Prerequisite: French 1B or French 1

LTE 300 SPANISH 3 10, 11, 12

This course is designed to develop intermediate communication, reading, writing, and speaking skills through a variety of methods. This course will also foster a greater understanding and appreciation of cultures and peoples of the world. Opportunities may include video recordings, cooking, guest speakers, role-playing, educational games and technology. The comprehensive Checkpoint B exam is given at the end of the course.

Full Year Course **1 credit**
Prerequisite: Spanish 2

LTE 310 FRENCH 3 10, 11, 12

This course is designed to develop intermediate communication, reading, writing, and speaking skills through a variety of methods. This course will also foster a greater understanding and appreciation of cultures and peoples of the world. Opportunities may include video recordings, cooking, guest speakers, role-playing, educational games and technology. The comprehensive Checkpoint B exam is given at the end of this course.

Full Year Course **1 credit**
Prerequisite: French 2

LTE 400 SPANISH 4 11, 12

This course is designed for students that have completed the Regents sequence in world language and have the desire to further develop their speaking, reading, writing and listening abilities in the second language. The focus of the course is to prepare students for the transition from high school to college with an emphasis on advanced oral and written language. The content of the class draws upon cultural aspects from the various Hispanic regions of the world as well as the advanced grammar and vocabulary necessary to explore these topics. In addition, students may have the opportunity to enroll in Monroe Community College dual credit program to earn up to 5 credits.

Full Year Course **1 credit**
Prerequisite: Spanish 3

LTE 410 FRENCH 4 11, 12

This course is designed for students that have completed the Regents sequence in world language and have the desire to further develop their speaking, reading, writing and listening abilities in the second language. The focus of the course is to prepare students for the transition from high school to college with an emphasis on advanced oral and written language. The content of the class draws upon cultural aspects from the various Francophone regions of the world as well as the advanced grammar and vocabulary necessary to explore these topics. In addition, students may also have the opportunity to enroll in Monroe Community College dual credit program to earn up to 5 college credits. This course satisfies most college entry requirements.

Full Year Course

1 credit

Prerequisite: French 3

LTE 600 IB SPANISH

Students will explore cultural units based on the new IB Themes: Human Ingenuity, Identities, Experiences, Social Organization and Sharing the Planet. In addition, grammatical points will be reviewed and new concepts introduced throughout the course.

Students enrolled in the IB diploma program will complete this course to satisfy the Language Acquisition requirement. Students not enrolled in the IB diploma program may complete this course for an IB certificate. Students will complete the Oral portion of the exam in March. Students will sit for the written portion of the exam (Papers 1 and 2) in May.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

In addition, students may also have the opportunity to enroll in Monroe Community College dual credit program and earn up to an additional 5 college credits.

Full Year Course IB Certificate/Diploma 1 credit
Prerequisite: Spanish 4

LTE 610 IB FRENCH

Students will explore cultural units based on the new IB Themes: Human Ingenuity, Identities, Experiences, Social Organization, and Sharing the Planet. In addition, grammatical points will be reviewed and new concepts introduced throughout the course.

Students enrolled in the IB diploma program will complete this course to satisfy the Language Acquisition requirement. Students not enrolled in the IB diploma program may complete this course for an IB certificate. Students will complete the Oral portion of the exam in March. Students will sit for the written portion of the exam (Papers 1 and 2) in May.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

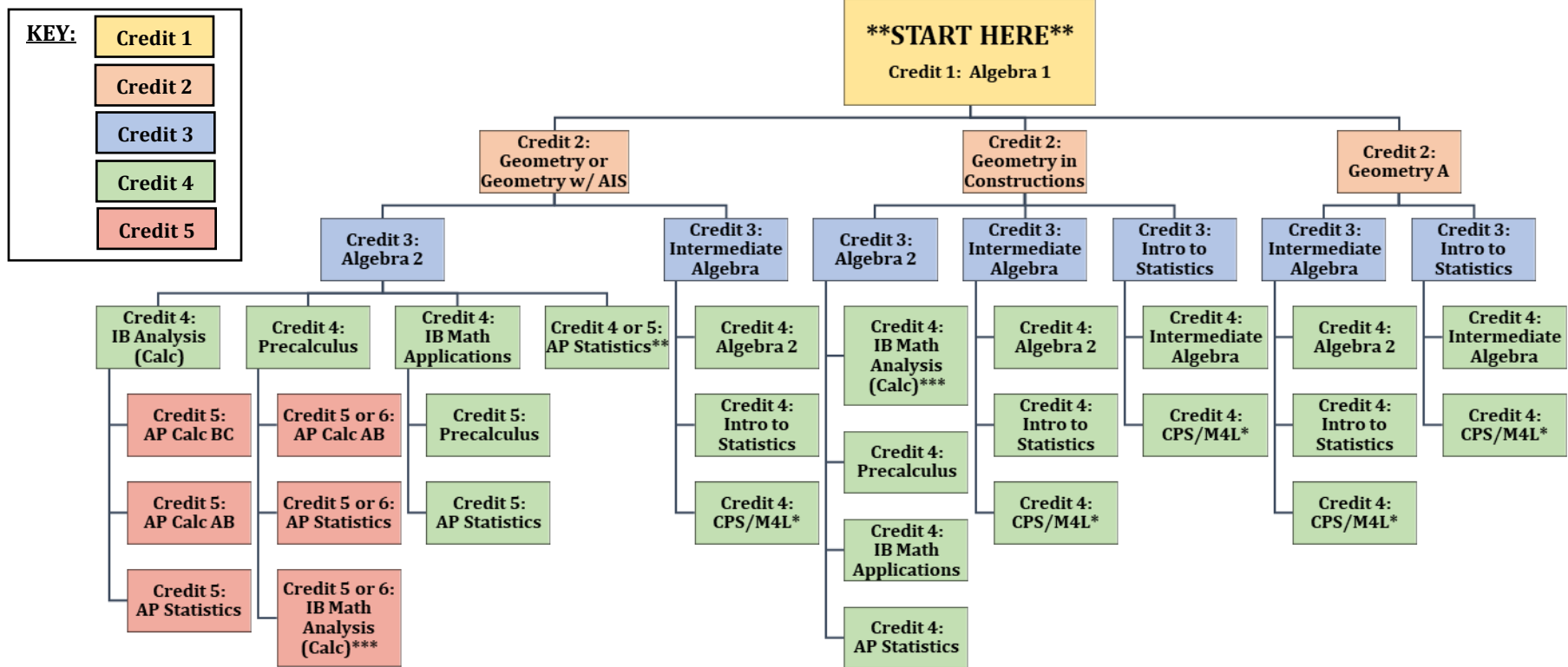
In addition, students may also have the opportunity to enroll in Monroe Community College dual credit program and earn up to an additional 5 college credits.

Full Year Course IB Certificate/Diploma 1 credit
Prerequisite: French 4

**CIEE GLOBAL NAVIGATOR HIGH SCHOOL
SUMMER STUDY ABROAD**

Programs are open to all students in grades 9, 10 and 11. This program will broaden horizons, giving students the chance to explore the world, experience a culture and learn something new. Students will come home with renewed confidence, global skills and endless memories. There are three (3) programs to choose from: Language & Culture (earn up to a possible 4 college credits), Service & Learning (earn up to 50 hours of service learning) or Global Discovery (develop your passion for business, science or the arts). Global Navigator Scholarships are available through CIEE. They cover between 10% & 100% of the cost of tuition of a summer abroad program.

HHS Math Department Course Flowchart



* Creative Problem Solving/ Math for Life is designed for seniors. Student who wish to take these half year courses must have teacher and counselor approval.

** AP Stats is a course designed for seniors. Juniors who wish to take AP Statistics should take this alongside Precalculus with teacher and counselor approval.

*** Students who wish to take IB Math Analysis must have a 95% average in Algebra 1 and teacher recommendation.

Students who are seeking a Regents with Advanced Designation Diploma with an IB Diploma Certificate must take Algebra 1, Geometry, Algebra 2 and IB Math Applications or IB Math Analysis.

Students who are seeking a Regents with Advanced Designation Diploma must take Algebra 1, Geometry and Algebra 2.

I'm done with Algebra 2, now what?

	PRE-CALCULUS	IB MATH APPLICATIONS	IB MATH ANALYSIS	AP STATISTICS
What is it?	This is an algebra focused course that includes an in-depth study of topics leading up to and including differential calculus.	This course is a survey of how math is applied in topics ranging from algebra to differential and integral calculus. Technology is used extensively to allow students to explore and construct mathematical models.	This course involves an in-depth analysis of real and abstract applications of mathematical ideas with topics ranging from algebra to differential and integral calculus. Problems are solved with and without the use of a calculator.	Students will draw connections between all aspects of the statistical process, including design, analysis & conclusions. Students will also learn how to clearly communicate statistical findings.
Who should take it?	Students who are looking to build their algebra skills in preparation for calculus (AP or college level).	Students who enjoy mathematics used in real-world context to solve real-world problems. Students considering a non – STEM related major in college.	Students who enjoy mathematical problem solving and algebraic manipulation with the ability to form generalizations. Students with a 95% average in Algebra 2 who are considering a STEM related major in college.	Students interested in the real-world application and theory of statistics. Students may take this course in conjunction with another math course.
What assessments are there?	Local Midterm in January Local Final Exam in June	IB Internal Assessment (Exploration) IB Exam in May	Local Midterm in January IB Internal Assessment (Exploration) IB Exam in May	AP Exam in May
Where to go from here?	AP Calculus AB AP Statistics	Pre-Calculus AP Statistics	AP Calculus BC	Pre-Calculus

MATHEMATICS DEPARTMENT

The ability to use mathematics effectively as a means to better understand the world around them is the right of every student in Hilton. Students will become confident learners, developing the necessary attitudes, understandings, skills, and strategies to become mathematically proficient. Students will gain competence in problem solving, mathematical reasoning and proof, making connections, communication, and mathematical representation.

NYS GRADUATION REQUIREMENTS

REGENTS DIPLOMA

- Successful completion of three (3) math credits
- Must pass one (1) Common Core Regents examination in math

REGENTS DIPLOMA WITH ADVANCED DESIGNATION

- Successful completion of Algebra 1, Geometry and Algebra 2 including the corresponding Common Core Regents exams.

MTH 100 ALGEBRA 1 9, 10, 11, 12

This is the first year of the high school mathematics program. It is designed for all students entering high school and will prepare students to take the Common Core Algebra 1 Regents exam in June. Topics include an in-depth study of algebra, functions, probability, and statistics. The TI-NSpire CX calculator is used in this course.

Full Year Course 1 credit

MTH 200 GEOMETRY 9, 10, 11, 12

This is the second year of the high school mathematics program. It is designed for students who have been successful in Algebra 1 and will prepare students to take the Common Core Geometry Regents exam in June. Topics include: congruence, similarity, proof, coordinate geometry and modeling. The TI-NSpire CX calculator is used in this course.

Full Year Course 1 credit
Prerequisite: 80% in Algebra 1 or teacher recommendation

MTH 210 GEOMETRY A 10, 11, 12

This is a course designed for students that struggled with Algebra 1 and may have a difficult time with the depth of understanding that is necessary for success in Geometry. Students will be exposed to the same topics that are covered in Geometry, but the instruction, level of difficulty, and assessments are adjusted to meet the needs of the students.

Full Year Course 1 credit
Prerequisite: Algebra 1 & teacher/counselor recommendation

MTH 250 GEOMETRY IN CONSTRUCTION 10, 11

In this course, the Common Core Geometry curriculum is taught through the application of Construction. Team building techniques and cooperative groups will contextualize the Geometry concepts with authentic projects and practical applications. Students will apply geometric concepts to construct house models and related building substructures. Other concepts of construction that will be studied are site selection, materials, tools and equipment, and the environmental impacts. This course is team taught by the Mathematics and Technology departments. Students will collaboratively construct a capstone structure and take the Common Core Geometry Regents exam in June.

Full Year Course (2 sets) 2 credits
Prerequisite: Algebra 1 and teacher recommendation

MTH 300 ALGEBRA 2 10, 11, 12

This is the third year of the high school mathematics program. It is designed for students who have been successful in Algebra 1 and Geometry and will prepare students to take the Common Core Algebra 2 Regents exam in June. Topics include advanced algebra, relations and functions, trigonometry, probability and statistics, exponents and logarithms, and complex numbers. The TI-NSpire CX calculator is used in this course.

Full Year Course 1 credit
Prerequisite: 80% in Geometry or teacher recommendation

MTH 340 INTRODUCTION TO STATISTICS**11, 12**

Intro to Statistics is a math course designed to introduce students to the logic and procedures of statistics. The course will cover methods for gathering unbiased and accurate data, analysis of the data, probability models, as well as statistical inference. All learning is in the context of everyday issues that use statistics to guide decision making.

Full Year Course**1 credit****Prerequisite: Geometry A****MTH 350 INTERMEDIATE ALGEBRA****10, 11, 12**

This course is designed for students who have successfully completed Geometry/Geometry in Construction/Geometry A. It reinforces essential understandings from Algebra I and provides exposure to more advanced function and graphing concepts in Algebra II. Topics include linear, absolute value, piecewise, radical, polynomial, quadratic, rational, exponential, logarithmic, and trigonometric functions. The TI-NSpire CX calculator is used in this course.

Full Year Course**1 credit****Prerequisite: Geometry, Geometry in Construction, Geometry A or Introduction to Statistics****MTH 360 COLLEGE PREP****11, 12**

This course will allow college-bound students to take the time to become better problem solvers and test takers with the focus being on the mathematics portion of each exam. Students will learn general problem-solving strategies and techniques to help them on college admission tests. This course also helps students with general tasks that are often related to college-bound students. These topics include: college search, scholarships, financial planning, career exploration and letters of recommendation. Must be taken concurrently with a full year mathematics course. The TI-NSpire CX or CAS calculator is used in class.
Cannot count toward 3 math credits.

½ Year Course**½ credit****Prerequisite: Geometry or Geometry in Constructions****MTH 370 CREATIVE PROBLEM SOLVING****12**

This course is for seniors only, who will be provided with basic problem-solving strategies that can be applied to other courses or real life situations. Students will also develop written/oral communication skills and work cooperatively with peers.

½ Year Course**½ credit****Prerequisite: Geometry A & teacher/counselor recommendation****MTH 380 MATH FOR LIFE****12**

This course is for seniors only, who will learn the necessary consumer skills to aid them in making informed, number driven, life decisions as consumers, investors, and planners. This course will develop fundamental principles and operations as they pertain to adult situations such as personal finance, budgeting, banking, and investments.

½ Year Course**½ credit****Prerequisite: Geometry A & teacher/counselor recommendation****MTH 400 PRECALCULUS****11, 12**

This course is for students who are strong in math and are interested in pursuing a math/science related field. This rigorous math course involves mathematical investigation and problem solving through the in-depth study of algebra, functions, limits, derivatives, and applications. AP Calculus (AB) may be challenged upon completion of this course. The TI-NSpire CX calculator is required for the course.

Full Year Course**1 credit****Prerequisite: Algebra 2****MTH 510 AP STATISTICS****11, 12**

This course is a rigorous mathematics course required in many different programs at college. The course covers the theory and application of statistics. It can be taken in conjunction with Precalculus, IB Calculus or AP Calculus. Students are expected to take the AP exam in May and may receive college credit depending on the college and score. The TI-NSpire CX calculator is required for the course.

Full Year Course**1 credit****Prerequisite: Algebra 2**

MTH 520 AP CALCULUS (AB) 12

This is a rigorous mathematics course intended for the students interested in studying college-level calculus. Topics include differential and integral calculus and their application with algebraic, graphical and numerical approaches. Students are expected to take the AP exam in May and may receive college credit depending on the college and score. The TI-NSpire CAS calculator is required for the course. Students may purchase their own or rent one from the school.

Full Year Course **1 credit**
Prerequisite: Precalculus

MTH 530 AP CALCULUS (BC) 12

This course is a rigorous mathematic course intended for students interested in studying college-level calculus 1 and 2. Topics include limits, differentiation, applications of differentiation, integration, differential equations and models, applications of integration, L'Hopital's rule and improper integrals, infinite series, parametric functions, vectors, and polar functions. Students are expected to take the AP exam in May (they will receive an AB score and BC score) and may receive college credit depending on the college and score. The TI-NSpire CAS calculator is required for the course. Students may purchase their own or rent one from the school.

Full Year Course **1 credit**
Prerequisite: IB Calculus

MTH 600 IB MATH ANALYSIS (SL) 11, 12

This course is intended for students pursuing an IB diploma or certificate who are interested in a math/science related field. Students with natural ability, curiosity and appreciation for mathematics will benefit from this course. It will cover topics from IB Analysis SL and Precalculus including: polynomial/rational functions, trigonometry, Probability and Statistics, limits, differentiation, applications of derivatives, and integration. Students are required to complete an internal assessment (exploration) for this course. Successful completion of this course will allow students the opportunity to challenge AP Calculus (BC) in their senior year. The TI-NSpire CX is required for the course.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination.

The exam fee for this course is \$95. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course **IB Certificate/Diploma**
Prerequisite: Teacher recommendation & 95% in
Algebra 2 **1 credit**

MTH 610 IB MATH APPLICATIONS (SL) 11, 12

This course is intended for students who are interested in preparing for college level mathematics for a liberal arts/non math related major. It involves the study of: Algebra, Probability, Functions, Geometry, Trigonometry, Statistics, Introduction to Calculus, and Financial Mathematics. Math requirement for IB diploma will be satisfied or IB certificate will be awarded. The TI-NSpire CX calculator is required for the course.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$95. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course **IB Certificate/Diploma**
Prerequisite: Algebra 2 **1 credit**

CSC 100 INTRO TO PROGRAMMING I 9, 10, 11, 12

In the Introduction of Programming I course, students will learn how to think algorithmically and code project solutions using Microsoft Visual Studio's VB.NET programming language. Programming topics include form design, input/output, accumulation, randomness, conditionals, timers, and movement. This course allows students to explore the basics of programming and discover if have an interest in the area of Computer Science. Students are encouraged to register for both Intro to Programming I and Intro to Programming II (semester 2 course) if possible.

Cannot count toward 3 math credits.

½ Year Course **½ credit**
Prerequisite: Algebra 1

CSC 110 INTRO TO PROGRAMMING II
9, 10, 11, 12

The Introduction of Programming II course is a continuation of Intro to Programming I using the same programming language. In this course, students will explore more advanced algorithms and concepts including iteration, Strings, arrays, reading and writing files, and arrays of objects. **Cannot count toward 3 math credits.**

½ Year Course **½ credit**
Prerequisite: Introduction to Programming I

CSC 200 INTERMEDIATE PROGRAMMING
10, 11, 12

This course will concentrate on the Java programming language. This is an excellent course for college-bound students who plan on majoring in science, math, technology, or engineering. Topics will include input/output, conditionals, looping, arrays, sorting, functions, files, strings and Object Oriented Programming. Java is a powerful industry standard programming language required by most universities, of its students, in the above fields. **Cannot count toward 3 math credits.**

Full Year Course **1 credit**

Prerequisite: Algebra 1 & Introduction to Programming or Algebra 1 & permission from Computer Science teacher. You do not need to take Introduction to Programming if you are currently in Geometry or above.

CSC 500 AP COMPUTER SCIENCE A 11, 12

This course is designed for students interested in learning object-oriented programming concepts in the Java programming language. The course emphasizes programming methodology, problem solving and algorithm development, including topics such as creating data structures, inheritance, ArrayLists, arrays, sorting techniques, and recursion. AP Computer Science is equivalent to a first-semester college course in computer science. Students are expected to take the AP exam in May and may receive college credit depending on the college and score. **Cannot count toward 3 math credits.**

Full Year Course **1 credit**
Prerequisite: Intermediate Programming & teacher recommendation

MUSIC DEPARTMENT

As participants in the Hilton Music Program, students will be prepared as life-long learners in the musical arts.

Students will engage in musical experiences through performing, listening, and creating. These experiences foster students' musical development, creativity, self-expression, critical thinking, self-discipline and appreciation for the preservation of cultural history.

All curricular offerings qualify as 1 credit music toward graduation. (To receive full credit for piano you must complete level 1 and 2).

A major and minor in music may be earned by successfully completing the requirements outlined (below).

MUSIC SEQUENCE:

3 units of Band or Chorus

And

2 credits of any of the following music electives:

1 credit of Piano 1/2

Or

1 credit of Explorations in Music

All concerts of Jazz Ensemble, Symphonia, Wind Ensemble, Mixed Chorus, Da Capo Singers, Treble Chorus and Choir are mandatory. Concerts are equivalent to test grades and cannot be missed without prior approval of the director. Unauthorized absence from a concert may be grounds for a recommendation to the administration for dismissal from the organization.

Student in the performance class (band and chorus) are eligible to participate in the New York State and Monroe Country Solo and Ensemble festivals.

MUS 100 DA CAPO SINGERS 9

Da Capo Singers is a chorus ensemble for students in grade 9. Fundamentals of choral singing and sight-reading are taught as well as performing music from a variety of styles and genres. No prior experience is required. **Students are required to attend all**

in-school voice lessons on a weekly basis with assigned Hilton Music Staff. Participation in all concerts and performances are required.

Full Year Course
Prerequisite: None

1 credit

MUS 110 TREBLE CHORUS 10, 11, 12

Treble Chorus is designed for the serious treble singer with a desire to develop excellence in vocal performance and choral singing. Vocal technique, development of the vocal instrument and sight-reading are emphasized and reinforced in this ensemble. Students will perform a varied repertoire of choral music with challenges with interpretation, style and expression. **Students are required to attend all in-school voice lessons on a weekly basis with assigned Hilton Music Staff. Participation in all concerts and performances are required, including in/out of town adjudications/performances).**

Full Year Course **1 credit**
Prerequisite: Successful audition for grades 10-12 on selected audition material by Hilton Music Staff. A NYSSMA Level 4 solo performance is required prior to audition. Recommendation for placement comes from the school music teacher.

MUS 120 MIXED CHORUS 10, 11, 12

Mixed Chorus is a performance ensemble that provides an opportunity for anyone in grades 10-12 to sing in chorus. Fundamentals on choral singing and sight-reading are taught as well as performing music from a variety of styles and genres. No prior experience is required. **Students are required to attend all in-school voice lessons on a weekly basis with assigned Hilton Music Staff. Participation in all concerts and performances are required.**

Full Year Course **1 credit**
Prerequisite: None

MUS 130 CHOIR 10, 11, 12

Choir is designed for the serious choral singer with a desire to develop excellence in vocal performance and choral singing. Vocal technique, development of the vocal instrument and sight-reading are emphasized and reinforced in this ensemble. Students will perform a varied repertoire of choral music with challenges with interpretation, style and expression.

Students are required to attend all in-school voice lessons on a weekly basis with assigned Hilton Music Staff. Participation in all concerts and performances are required, including in/out of town adjudications/performances).

Full Year Course **1 credit**
Prerequisite: Successful audition for grades 10-12 on selected audition material by Hilton Music Staff. A NYSSMA Level 4 solo performance is required prior to audition. Recommendation for placement comes from the school music teacher.

MUS 210 SYMPHONIA 9 (10-12)
Symphonia is a large performing ensemble for Freshman and select upperclassmen. The ensemble will study works written for traditional band instruments. During daily rehearsals students learn about music through performing pieces in the standard concert band repertoire. The group performs regularly at school music functions and area events. **Students are required to attend all in-school instrumental music lessons on a weekly basis with assigned Hilton Music Staff. Participation in all concerts and performances are required.**

****Incoming Freshman that have performed two NYSSMA level VI solos prior to entering High School and received a rating of A or higher (93-100) on both are eligible to audition for Wind Ensemble.***

****All Freshman are eligible to audition for High School Jazz Ensemble.***

****If you participate in both Band AND Chorus during the same set within an academic year you will receive a combined 1.0 credit for that academic year****

Full Year Course **1 credit**
Prerequisite: Prior experience in an instrumental ensemble required.

MUS 220 WIND ENSEMBLE 10-12 (9)
The Wind Ensemble is a select ensemble composed of instrumentalists who exemplify a high level of maturity and demonstrate superior musicianship. Students will study musical selections from various time periods and literature listed in the NYSSMA Manual. Students will have the opportunity to study with guest conductors, participate in clinics and workshops and perform in competitions. Many students in this ensemble also pursue

musical activities outside of the school curriculum. (ie: private lessons, Hochstein, HYSO, etc.) These are highly encouraged. **Students are required to attend all in-school instrumental music lessons on a weekly basis with assigned Hilton Music Staff. Participation in all concerts and performances are required. This group travels to compete; therefore all students are expected to participate in trip functions.**

****Incoming Freshman that have performed two NYSSMA level VI solos prior to entering High School and received a rating of A or higher (93-100) on both are eligible to audition for Wind Ensemble.***

****If you participate in both Band AND Chorus during the same set within an academic year you will receive a combined 1.0 credit for that academic year****

Full Year Course **1 credit**

Prerequisite: Successful audition for grades 10-12 on a NYSSMA solo selected by your school lesson teacher. Recommendation/Application from school music teacher. Private instruction encouraged.

MUS 230 JAZZ ENSEMBLE 10-12
The Jazz Ensemble is a group dedicated to the performance of music in the "Big Band" tradition. Students learn to play improvised solos as well as participate in the performance of modern jazz, rock and pop music arranged for the jazz ensemble medium. The ensemble participates in school music concerts, local fundraising events, competitions, festivals, clinics, workshops, etc.

Full Year Course **1 credit**
Prerequisite: By audition only and the instrumentation needs of the ensemble. Enrollment in Symphonia or Wind Ensemble is required (students who play Piano, Guitar or Bass Guitar are exempt from this requirement). Private instruction encouraged.

MUS 310 PIANO LEVEL 1 9, 10, 11, 12
This course integrates music theory and the basic skills on how to play the piano. It covers reading of music, counting, chord structure, form, harmonic analysis, etc. while utilizing the piano keyboard as a vehicle for knowledge and instruction.

½ Year Course **½ credit**
Maximum enrollment: 12 students

MUS 311 PIANO LEVEL 2 9, 10, 11, 12

This course continues the development of music theory, reading of music, counting, chord structure and other fundamental keyboard skills that are sequential from Piano & Theory I.

½ Year Course **½ credit**

Maximum enrollment: 12 students

Prerequisite: Successful completion of Piano Level 1

**MUS 331 EXPLORATIONS IN MUSIC
9, 10, 11, 12**

This class is designed for students who would like to learn basic musicianship. This course focuses on more general concepts: rhythm, melody, composition, music technology, and careers in music. Using classroom instruments, such as drum, ukulele and piano, students will gain skills in reading and writing and performing music of interest, as well as explore various styles of world music and musical career paths. No prerequisites required.

Full Year Course **1 credit**

Prerequisite: None

OTHER COURSES

**TOK 600 THEORY OF KNOWLEDGE 1
11 or 12**

Theory of Knowledge (TOK) is a discussion based class that examines what we know and how we know. In class, we look at how technology and language influence how we produce and put out knowledge into the world. We examine how we know things in the arts, sciences, history, and math including the ethical component of each. Students will learn to create and refine arguments, analyze information from multiple perspectives, and appreciate different points of view. They will have the opportunity to ask questions about their classes that they might not get to in their other courses. An example question: “What are the moral implications of possessing knowledge

about human behavior?” We would then look at whether or not the owners of social media platforms have a moral responsibility to regulate their platforms based on their ability to predict the behaviors of the users?

TOK 1 is open to any junior or senior, but is mandatory for IB Diploma students.

Full Year Course **1 credit**

**TOK 605 THEORY OF KNOWLEDGE 2
12 IB Diploma Students only**

Students in ToK 2 will continue to refine their skills from ToK 1, revisit their external assessments prior to submission, work on their Extended Essays, and focus on their CAS reflections. The course is designed to enhance and strengthen the skills and knowledge needed to be a successful IB Diploma candidate. **ToK 2 is mandatory for IB Diploma students.**

Full Year Course **1 credit**

PSY 610 IB PSYCHOLOGY

Students will study modern psychology from the different perspectives commonly offered in higher education: biological, cognitive, and sociocultural. The focus of this class is on improving understanding of human behavior through a variety of ethical research methods. Coursework consists of reading from the text and current research studies, as well as class discussions, demonstrations, and experiment replications. A successful IB Psychology student will be willing to read independently, think critically, and write clearly to complete the course. There are no prerequisites for this course. IB psychology is a group 3 elective that also fulfills one of the SL course requirements for the diploma program upon successful completion.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available.

Full Year Course **1 credit**

FLM 600 IB FILM HL 11 (Year One)

Lights! Camera! Action! IB Film is a course that puts traditional books and poems to the side and brings movies, television, and short films to the forefront. In this two year course,

students will study famous films like *Arrival* and popular shows like Netflix's *Stranger Things*. What goes into the director's process? What is the purpose of using specific camera angles? How do you write a complex character? Students will analyze video from historical and cultural perspectives and see film in a whole new exciting way! This fascinating, hands-on course will also teach students to script, storyboard, shoot, and edit. If you want to learn how movies are made and then apply that knowledge to directing your own film, then IB film is the course for you! Contact Mr. Miller if you have any questions. This class is open to 11th and 12th graders.

Full Year Course
Prerequisite: none

1 credit

FLM 601 IB FILM HL 12 (Year Two)

The second year of this IB HL course will expand a student's understanding of film roles! What goes into a director's process? How does a sound designer create an atmosphere for the audience? What does a cinematographer do on set? How does an editor pace a conversation? Diving deep into the roles of production, students will build their film portfolio and form film crews to develop a fully planned and original short film of approximately 7 minutes. Students will learn firsthand the time, sweat, and devotion it takes to create something as short as a 7 minute film. Students need to be diligent, willing to learn, and ready to practice and build creative expression. IB Film 12 is ONLY open to students who have completed IB Film 11 (Year One). Contact Mr. Miller if you have any questions. This class is open to 12th graders. The second year of this IB HL course will expand a student's understanding of film roles! What goes into a director's process? How does a sound designer create an atmosphere for the audience? What does a cinematographer do on set? How does an editor pace a conversation? Diving deep into the roles of production, students will build their film portfolio and form film crews to develop a fully planned and original short film of approximately 7 minutes. Students will learn firsthand the time, sweat, and devotion it takes to create something as short as a 7 minute film. Students need to be diligent, willing to learn, and ready to practice and build creative expression. IB Film 12 is ONLY open to students who have completed IB Film 11 (Year One). Contact Mr. Miller if you have any questions. This class is open to 12th graders.

This IB course has an exam in May of the 2nd year; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

THE 600 IB THEATRE HL 11 (Year One)

In this two year course students will learn how to make theatre as creators, directors, designers, and performers. We study theatre creators like Lin-Manuel Miranda and examine scenic and technical production design from *Disney's Lion King*, *Wicked* and *Les Mis*. Students will develop their performance skills and will learn about sound, light set, costume, and make-up design. We will also study world theatre traditions like Commedia dell'arte, Kabuki, and Victorian Melodrama. Students will form theatre companies to create and perform a fifteen minute original piece of theatre for an audience. If you want to be on stage, in the tech booth, or backstage, then IB Theatre is the course for you! Contact Ms. Oltean if you have any questions. This class is open to 11th and 12th graders.

Full Year Course
Prerequisite: None

1 credit

THE 601 IB THEATRE HL 12 (Year Two)

The second year of IB Theatre will expand students' understanding of the role of a theatre director. Students will develop ideas regarding how to stage a play or musical of their choice. They will study theatre theory and apply their knowledge by creating and performing a 4-8 minute solo theatre piece. Students who successfully complete two years of IB Theatre and who successfully complete all four IB Theatre Assessments may be awarded college credit. IB Theatre 12 is open to students who have completed IB Theatre 11 (Year One). Contact Ms. Oltean if you have any questions. This class is open to 12th graders.

This IB course has an exam in May of the 2nd year; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course
Prerequisite: IB Theatre HL 11

1 credit

CTE 200 INTRODUCTION TO TEACHING 10, 11, 12

In this semester long course, students will be exposed to the field of teaching as a possible career choice. This course will introduce students to the methods and strategies involved in teaching and will include discussions around the responsibilities and expectations associated with a career in teaching. Students will be able to describe the teacher certification process, apply state and national learning standards, evaluate their personal interest in teaching as a career, create a lesson based on effective teaching practices, and present a student-created lesson plan utilizing effective teaching practices.

In addition, students may have the opportunity to enroll in the Monroe Community College program, and earn 1 dual enrollment credit upon successful completion of this course.

½ Year Course

½ credit

ELA 401 BROADCAST MEDIA 10, 11, 12

Broadcast Media is a class that melds video production, broadcast journalism, and creative collaborative projects into one exciting course. Students enrolled in the class are the heart and soul of Hilton's morning show **The Wave**. Broadcast Media is where students will learn the ins and outs of video editing, technical lights and sounds, and the writing that goes into putting on a daily television program. Broadcast media offers two courses – first and second set. The first offers students a more active, public speaking-oriented experience, while second set offers a behind the scenes experience for students who do not feel comfortable in the spotlight. Any student interested in video editing, film, and television production should apply.

Full Year Course **1 credit**
(You can take the class for a total of three years)
There is an application process. Students will have to fill out an Application of Intent Form.

YRB 200 YEARBOOK 10, 11, 12

Yearbook is a full year course open to students in grades 10-12. Students are responsible for creating the pages in the yearbook using indesign [CS4] and book keeping all financial records. Students need to be independent and self-motivated. Students need to go through a selection process to be on the staff. Selection is based on a student application which includes: 2 letters of recommendation, grades,

attendance and a personal letter. Experience in photography, photo shop and digital media is necessary.

1 credit

SCIENCE DEPARTMENT

The goal of K-12 science instruction is for students to experience, understand and develop a curiosity of the natural world. This will be accomplished through development of science skills such as inquiry, experimentation, observation, research and exploration. Students will use scientific knowledge to understand the world around them and make informed decisions.

REQUIREMENTS FOR ALL STUDENTS

REGENTS DIPLOMA

- Successful completion of **three** Science units, one of which must be from a Living Environment course
- Minimum of 65% on at least **one** Regents Science exam

REGENTS DIPLOMA WITH ADVANCE DESIGNATION

- Successful completion of **three** Science units 2 of which must be Regents courses
- Minimum grade of 65% on the Living Environment Regents exam and a minimum grade of 65% on one other Regents exam, Earth Science, Chemistry or Physics.

REGENTS EXAM REQUIREMENTS

Courses ending with a Regents exam must take the Regents exam to receive course credit.

REGENTS LAB REQUIREMENT

Please note: It is a New York State Education requirement that no student be allowed to take a Regents Science Examination unless the laboratory requirement has been met:

- **All students must complete 1200 minutes of lab time**
- **All students must complete written lab reports with a minimum grade of 65%.**

The Science Department recommends:

1. Students planning to attend college are advised to take four Regents Science Courses.
2. Students should seek advice from past science teachers, counselors, and parents, concerning the best choice for them.
3. It is a requirement that a student who fails a course must retake the whole course (labs included). A student who passes the course but fails the exam may choose to only retake the exam.

SCI 100 EARTH SCIENCE 9, 10, 11, 12

This Regents course includes the study of the structure and changes of earth's surface, weather, astronomy, and ecology with an emphasis on process. Completion of the Regents exam is a course requirement. NY State requires students have evidence of 1200 minutes of lab experience in the form of lab reports to sit for the Regents Exam.

Full Year Course **1 credit**
Prerequisite: None
Corequisite: Algebra

SCI 200 THE LIVING ENVIRONMENT 9, 10, 11, 12

This course is organized around five unifying themes: Interaction and Interdependence, Maintaining a Dynamic Equilibrium, Genetics and Molecular Biology, Evolution and Reproduction and Development. Students are assessed by demonstrating their knowledge and understanding of the biological content and concepts by laboratory work, projects and activities as well as traditional tests throughout the year. Completion of the Regents exam is a course requirement. NY State requires students have evidence of 1200 minutes of lab experience in the form of lab reports to sit for the Regents Exam.

Full Year Course **1 credit**

SCI 300 REGENTS CHEMISTRY 10, 11, 12

This course covers the structure and properties of matter. Extensive laboratory activity emphasizes observations and data collection from which conclusions are drawn. Topics include Atomic Theory, Gas Laws, Kinetic Theory, Equilibrium, Reaction Rates, Acids and Bases, Oxidation-Reduction, and Organic Chemistry. Completion of the Regents exam is

a course requirement. NY State requires students have evidence of 1200 minutes of lab experience in the form of lab reports to sit for the Regents Exam. **This course involves a great deal of reading for information and algebra. Students should be skilled in these areas.**

Full Year Course **1 credit**
Prerequisite: Regents Earth Science + Regents Living Environment
2 units of Math

SCI 325 CHEMISTRY IN THE COMMUNITY 11, 12

This course ties core concepts of chemistry, the composition, structure and properties of matter, with key societal issues. Students will learn chemical facts, concepts, and laboratory skills in the context of real world settings. Topics of study will focus around supplying our water needs and conserving chemical resources.

First semester only **½ credit**
Recommended Prerequisite: Two years of Science & Math

SCI 326 CONTEMPORARY CHEMISTRY 11, 12

Contemporary Chemistry is a laboratory-based course in which students will study the composition, structure and properties of matter. In particular, students will study the affects of chemistry on their lives. Current chemical issues such as radiation, disposal of hazardous materials, energy sources, and environmental toxicology will be taught with emphasis on understanding the chemistry underlying current issues. First semester course is recommended but not required.

Second semester only **½ credit**
Recommended Prerequisite: Two years of Science & Math

SCI 400 REGENTS PHYSICS 10, 11, 12

Physics is the study of matter and energy and how they are related. This course includes the following topics; mechanics, waves, electricity, magnetism, and modern physics. Concepts are developed using mathematics as the language of physics. Students will take notes, observe demonstrations, solve word problems and participate in labs and small group activities. Physics is highly recommended for any student who plans to pursue the IB program, attend college or postsecondary training in any science related field, or who wants to be able to make

informed decisions in an increasingly technological world. Completion of the Regents exam is a course requirement. NY State requires students have evidence of 1200 minutes of lab experience in the form of lab reports to sit for the Regents Exam. The Regents Physics examination serves as the final exam for the course. **This course involves a great deal of reading for information, algebra and trigonometry, so students should be skilled in these areas.**

Full Year Course **1 credit**
Prerequisite: 2 Regents Science + 2 units of Math + current teacher's recommendation

SCI 425 APPLIED PHYSICS I 11, 12

Applied Physics I is an independent one-semester course which provides a basic introduction to the topics of motion, forces, and energy. Instructional emphasis is on lab investigation and student projects. Understandings are based on graphing and logical analysis.

First Semester Only **½ credit**
Recommended Prerequisite: 2 units of Science and 2 units of Math

SCI 426 APPLIED PHYSICS II 11, 12

This is an independent course but the new student may need a review of the earlier course. The topics of electricity, magnetism, and sound and light waves will be covered. The student will demonstrate understanding through projects and labs that use skills and knowledge to solve problems.

Second Semester Only **½ credit**
Recommended Prerequisite: 2 units of Science + 2 units of Math

SCI 450 SPACE AND WEATHER 11, 12

This advanced one-half year course is divided into two ten-week topics. The first topic, "Space" allows the student to discover the wonders of the universe through a telescope. Students will learn to use some of the tools and methods used by astronomers. Students will be expected to find stars, planets, constellations and other objects of interest, with the use of the naked eye and telescope. The second half of the semester will investigate the weather. The main objectives will deal with observational weather phenomena, forecasting, violent weather and analysis of local and regional data.

First semester only **½ credit**
Prerequisite: Regents Earth Science + Regents Living Environment

SCI 451 ROCKS, FOSSILS & GEOLOGY OF NEW YORK STATE 11, 12

This advanced one-half year course will be a project-oriented study of the physical geology of Western New York. Students will collect, identify and display rocks and fossils found locally. They will develop explanations for the physical appearance of local landforms.

Second semester only **½ credit**
Prerequisite: Regents Earth Science + Regents Living Environment

SCI 475 FORENSIC SCIENCE 10*, 11, 12

Forensics is a lab-based science class to study the scientific methodology behind solving crimes. This course applies students' prior knowledge of the scientific method to realistic crime scenes and other related crime scenarios. Students will learn how painstaking attention to detail and deductive reasoning coupled with knowledge of Earth Science, Biology, Chemistry, and Physics are used by forensic scientists. Techniques for surveying a crime scene and collecting and analyzing evidence will be addressed. This course does NOT address law enforcement or legal proceedings outside the science behind it and is suggested for juniors and seniors.

½ Year Course **½ credit**
Prerequisite: Regents Earth Science + Regents Living Environment
Chemistry in the Community & Consumer Chemistry OR may be taken concurrently with Regents Chemistry

***May be taken concurrently with a Regents or AP Science**

SCI 499 EMERGENCY MEDICAL TECHNICIAN-DEFIBRILLATION (EMT-D) 12

This course covers the administration of emergency medical care to patients of trauma and medical emergencies. Main topic areas include: basic anatomy and physiology; patient assessment; control of bleeding and shock; evaluation and treatment of tissue, muscular, skeletal, and internal injuries; cardiac arrest; defibrillation; emergency childbirth; environmental emergencies; lifting and moving, extrication, and transportation of patients. **Upon satisfactory completion of this course, applicants (who must be at least 17 by the end of June 2021) can take the written NYS examination and practical skills performance for EMT certification.**

Recommended for students interested in health care professions.

Full Year Course **1 credit**
Students may earn 6 dual credits through MCC upon completion.

Prerequisite: **3 Science credits including the Living Environment.**

Permission from current science teacher & Mr. McDowell.

SCI 500 AP BIOLOGY
11, 12 or (9, 10 with teacher recommendation and permission from Science Program Coordinator)

The Advanced Placement Biology curriculum has been revised to focus on the practice of science so students learn by doing versus the memorization of scientific facts. All students in AP Biology will be expected to take the AP exam in May. Many colleges award credit on the basis of this examination. **This course involves a great deal of reading for information, self motivation and curiosity, as well as a growth mind set.**

Full Year Course **1 credit**
Prerequisites: **Earth Science R, The Living Environment, and Chemistry R or recommendation from the teacher**

SCI 510 AP CHEMISTRY 11, 12

Advanced Placement Chemistry covers many topics in freshman college chemistry and includes required lab work. Topics covered include atomic theory, acid-base theory, kinetics and ionic equilibria. All students in AP Chemistry will be required to take the AP exam given in May. Many colleges award credit on the basis of this examination and students will be better prepared for the rigors of college level Science course work.

Full Year Course **1 credit**
Prerequisite: **Chemistry R and current teacher's recommendation, Algebra 2**
Co-requisite: **Pre or AP Calculus**

SCI 520 COLLEGE-LEVEL PHYSICS (AP PHYSICS / MCC DUAL CREDIT) 10, 11, 12

This course is equivalent to a full-year college course in algebra-based physics. This course includes the study of vectors, kinematics and dynamics, work and energy, impulse and

momentum, electrostatics, electric potential, circuits, magnetism, waves, optics, and modern physics. Students can enroll in this course as their first course in physics. All students will take two MCC examinations, Physics 145 (January) and Physics 146 (June), in addition to the Regents Physics exam (June). Students wishing to receive credit through MCC must register for Physics 145 and 146 through the MCC website. Students who wish to sit for the AP Physics 1 exam in May must register through the College Board.

Full Year Course **1 credit**
Prerequisite:

- 2 Regents Science Units (Regents Earth Science or Regents Chemistry and Regents Living Environment
- And**
- 3 Regents Math Units (Algebra 1, Geometry, and Algebra 2) **Or**
2 Regents Math Units (Algebra 1 and Geometry) with a minimum of 85% on each Regents exam while taking Algebra 2 concurrently + current teacher's permission

SCI 600 IB BIOLOGY 11, 12

The focus of this college level course is to broaden one's understanding of biology, and scientific methodology. Topics include molecular biology, cell biology, physiology, genetics, evolution and classification, and ecology. IB-SL Biology has connections to theory of knowledge (TOK) and international mindedness. The course includes a mandatory internal assessment that allows students to design and implement an experiment of their own interest. Students will also need to complete the Group 4 project, an interdisciplinary activity with students from IB 12 Chemistry and IB Sports and Exercise Science.

This IB course has an exam in May; in order to have the IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course **1 credit**
Prerequisite: **Chemistry R or IB Chemistry + current teacher's recommendation**

SCI 610 IB CHEMISTRY 11 (HL)

This course covers the structure and properties of matter. Extensive laboratory activity emphasizes observations and data collection from which conclusions are drawn. Topics include Atomic Theory, Gas Laws, Kinetic Theory, Equilibrium, Reaction Rates, Acids and Bases, Oxidation-Reduction, Organic Chemistry and Nuclear Chemistry. In addition to these topics advanced topics such as Stoichiometry, the Ideal Gas Law, Electron Configurations (s,p,d,f), Hess's Law, Equilibrium Expressions, and Bond Enthalpy are discussed. These extra topics allow for an easier transition to IB Chemistry 12 or AP Chemistry during the students' senior year. The final grade is determined by all 4 quarters and a Regents exam. The Regents laboratory requirement applies. This course involves a great deal of reading for information and algebra. Students should be skilled in these areas. There is no IB exam at the conclusion of IB Chemistry 11.

Full Year Course **1 credit**

Prerequisite: Regents Earth Science + Regents Living Environment and 2 units of Math

SCI 615 IB CHEMISTRY 12 (HL)

This advanced course is an in depth study of chemical theories, their application and laboratory procedures that follows the IB syllabus. Students can use IB chemistry to fulfill the group IV requirement of the full IB diploma. The course is designed for highly motivated students with scientific aptitude and interest. Included is an in depth study of the structure of matter, atomic theory, chemical bonding, stoichiometry, energetics, kinetics, equilibrium, acid and base behavior, electrochemistry, organic chemistry and medicinal chemistry. An interdisciplinary group project with IB Biology and IB Sport, Exercise & Health Science courses is also included. Finally, students will complete a comprehensive individual investigation (original research project) aimed at honing laboratory and research skills.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course **1 credit**

Prerequisite: IB Chemistry 11 (HL) & teacher recommendation

SOCIAL STUDIES DEPARTMENT

The discipline of Social Studies is conceptual and its focus is citizen development. It is the study of people in relation to their past, their environment and their society. Social Studies helps students to develop their personal, family, ethnic and cultural identities; to make informed and reasoned decisions about their classroom, the school, the community and the world. Our "student citizens" will develop a deeper understanding and appreciation for their role in a global community.

Social Studies requires four specific units of credit for graduation. Every student must successfully complete a two year sequence in Global History and Geography, one year of IB History 11 and either one year of IB History 12 or two half year courses: Economics and Participation in Government. In addition, the Social Studies Department offers electives.

The student MUST pass Global History and Geography I before taking Global History and Geography II, Global History and Geography II before taking IB History 11 and IB History 11 before taking IB History 12, Participation in Government and/or Economics.

Students failing a Social Studies course must repeat the course the following year unless the course has been successfully completed in summer school. Taking two years of required Social Studies courses simultaneously is not allowed.

The following is the sequence that students are required to take and pass:

Freshman (9th grade)

- Global History & Geography I

Or

- AP World History 9 (first year of 2 year course)

Sophomores (10th grade)

- Global History & Geography II

Or

- AP World 10 (upon successful completion of AP World 9)

Or

- AP European History – Sophomores who have successfully completed Global History I may take AP European History to complete the Global History graduation requirement. Students must meet the prerequisites.

Juniors (11th grade)

- IB History 11 (The Americas)

Seniors (12th grade)

- IB History 12 (World) completes the 2nd year requirement for IB History diploma or certificate and the New York State requirement for Government & Economics)

Or

- Participation in Government **AND** Economics (1/2 year courses)

Or

- AP Government and Advanced Economics (1/2 year courses)

Please see course descriptions for specific information related to each course.

SST 100 GLOBAL HISTORY & GEOGRAPHY I 9

This required course is offered to all 9th grade students as the first year of a two-year sequence in the chronological study of historical developments in various areas of the world from the dawn of civilization to 1750. Events will be examined in relationship to other social sciences including geography, economics and political science. This program will focus on the historical process and global themes by utilizing primary sources and documents. Global History and Geography I and II are designed to prepare students to become active citizens in a rapidly and ever changing world.

Full Year Course
Prerequisite: none

1 credit

SST 200 GLOBAL HISTORY & GEOGRAPHY II 10

This required course is the second year of a two-year sequence in the chronological study of historical developments from 1750 to the present. Global History II students will develop skills to help them understand major themes that have helped shape today's world. Events will be examined in relationship to other social sciences including geography, economics and political science. This course culminates with a State exam that must be passed to meet graduation requirements. Students are required to take the Global History Regents Examination at the end of this course.

Full Year Course
Prerequisite: Global History & Geography I

1 credit

SST 315 SOCIOLOGY 11, 12

This ½ year elective is offered to juniors and seniors and will provide an introduction to sociology/the scientific study of society and social interaction. Students will examine a variety of issues which include; social structure, race and ethnicity, gender, culture and environment.

½ Year course

½ credit

NOTE: Dual credit may be available through Nazareth College.

SST 400 PARTICIPATION IN GOVERNMENT 12

This required class is the examination of the function of the Government of the United States and the role of the citizen in that government. Students are required to take part in various forms of community involvement to enhance their awareness of civic responsibility.

½ Year Course

½ credit

Prerequisite: IB History 11

Offered both semesters

SST 410 ECONOMICS 12

This required course is the examination of various economic systems and their functions. Students will study the relationships between producers, consumers and government agencies in modern American society.

½ Year Course

½ credit

Prerequisite: IB History 11

Offered both semesters

SST 475 ADVANCED ECONOMICS 12

Advanced Economics is a Monroe Community College (MCC) dual enrollment course offered to highly motivated students that is designed to answer questions about the economy. How and why does our market economic system work? Why is there inflation and/or unemployment and what are their remedies? How does the government influence your future economic well-being? Where are we on the business cycle? What are the causes and consequences of our growing national debt? What is the Federal Reserve and how does its monetary policy affect you and the interest rate? How is the emerging global interdependence of countries changing our economy and your life? This course will help you understand the economic environment in which you live, work, and vote.

of multiple perspectives and synthesis, as well as to craft historical arguments. IB History 11 is a rigorous college preparatory course designed to prepare students for the US History Regents examination occurring in June of the junior year and to prepare for the academic options in the senior year. Students are encouraged to continue their study of IB History into their senior year by taking year two of the course.

Full Year Course **1 credit**
Prerequisite: Global History & Geography II or AP World History 10 or AP European History

SST 601 IB HISTORY 12 (WORLD)

This is the second year of a two-year course to prepare students for the required IB assessments while meeting New York State and District standards. In grade 12 students will focus on an in-depth study of Twentieth Century World History Topics: #1 Causes, Practices and Effects of War and #2 The Cold War within the context of the prescribed IB subject: Move to Global War. Their studies and research will provide students with the analytical skills and factual knowledge necessary to interpret and evaluate historical events and to pursue additional advanced studies. Comparative studies of Canada, North America and Latin America and the use of primary source materials will enable students to develop a global perspective and understand the impact of regional events on world politics and economics.

This IB course has an exam in May; in order to have IB designation on one's transcript the student is required to sit for the IB examination. The exam fee for this course is \$96. Payment plans are available and the fee for students on the free/reduced lunch is waived by New York State.

Full Year Course **1 credit**
Prerequisite: IB History 11

Completion of IB History 11 and IB History 12 meets the NYS graduation requirements for Government & Economics.
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TECHNOLOGY EDUCATION DEPARTMENT

Rochester Institute of Technology PROJECT LEAD THE WAY PATHWAY TO ENGINEERING

Project Lead the Way is a four year, 5 credit sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. These full year courses are:

Design & Drawing for Production	1 credit
Digital Electronics	1 credit
Principles of Engineering	1 credit
Civil Engineering & Architecture	1 credit
Computer Integrated Manufacturing	1 credit
Engineering Design & Development	1 credit

These courses will allow students, while still in high school, to determine if engineering is the career they desire. Our partnership is with RIT, but that does not limit students as to what college they will attend. Students may take any course as an individual elective.

Students may earn RIT college credit for any of the above courses except Engineering Design & Development. To earn college credit students who have a class average of 85% or higher, and have achieved a stanine score of 6 or more on the college final exam are eligible to apply for transcribed college credit. The cost is approximately 1/10th of the regular RIT tuition.

CAREER & TECHNICAL EDUCATION ENDORSEMENT (CTE)

PRE-ENGINEERING

Students who are interested in careers related to engineering of any type; mechanical design, mechanical technology, robotics, CNC machining, rapid prototyping, architecture or computer aided design may receive an endorsement on their diploma after successfully completing certain requirements. They are:

Required courses:

Design and Drawing for Production	1 credit
Career & Financial Management	1 credit
Digital Electronics	1 credit
Principles of Engineering	1 credit
Technical Reading & Writing	1 credit
Computer Integrated Manufacturing	1 credit

- Complete a work based learning experience (Typically a job shadowing experience)
- Complete a portfolio (this requirement is met as students' progress through the courses)
- Pass a nationally certified exam in Pre-Engineering.

DUAL ENROLLMENT PROGRAM THROUGH MCC

Students enrolled in the following courses may register with MCC for college credit. Upon successful completion, students may receive both high school and college credit. Credit may be transferred to most colleges/universities within the state. Students pay approximately one-third the MCC tuition.

Students enroll in this program within the first few weeks of class. Enrollment is handled by the classroom teachers and MCC will bill parents directly.

Classes within the Technology Department that are presently approved by both Hilton and MCC are:

Advanced Electronics
Digital Electronics
Introduction to Optical Technology



TEC 150 PLTW: DESIGN & DRAWING FOR PRODUCTION (DDP) 9, 10, 11, 12

In PLTW Design and Drawing for Production, you will learn how engineers apply a design process to solve real-world problems. You will work individually and as a member of collaborative teams to apply math, science, and a variety of engineering tools, including 3D modeling software, to design, document, and communicate your engineering work.

This full year, one credit course satisfies the high school Art/Music requirement.

Full Year Course **1 credit**
Students may earn dual credit for this course through RIT.

This is an optional course for students pursuing the CTE endorsement in Pre-Engineering.

TEC 250 PLTW: DIGITAL ELECTRONICS (DE) 10, 11, 12

Digital Electronics is a fascinating course of study in applied digital logic. It follows the exciting, fast moving, and constantly changing digital world; fusing the latest computer digital-logic modeling technology with hands on experiments and digital sensing and control with Arduinos. Digital electronics is a key element of most modern technologies. It is the “brains” of products such as the personal computer, video games, and cell phones.

Full Year Course **1 credit**
Students may earn dual credit for this course through RIT or MCC.

This is a required course for students pursuing the CTE endorsement in Pre-Engineering.

TEC 255 PLTW: COMPUTER INTEGRATED MANUFACTURING (CIM) 9, 10, 11, 12

The purpose of Computer Integrated Manufacturing is to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts:

- Computer Modeling - using a three-dimensional, solid modeling software package with mass property analysis.
- CNC Equipment – understanding the machine, tools and its operating and programming aspects.
- CAM Software – converting computer generated geometry into a program to drive CNC machine tools.
- Robots – using a robot for materials handling and assembly operations.
- Flexible Manufacturing Systems – students working in teams to design manufacturing workcells and table top factory simulations.

The course will be taught using demonstration and discussion combined with individual and team-centered project based learning. In each of the learning sections students will be taught a different set of performance objectives.

Full Year Course **1 credit**
Students may earn dual credit for this course through RIT.

This is a required course for students pursuing the CTE endorsement in Pre-Engineering.

TEC 350 PLTW: PRINCIPLES OF ENGINEERING (POE) 10, 11, 12

Principles of Engineering is an advanced level technology course for those students who are considering engineering as a college major. It is organized around the major concepts of engineering, including statics, dynamics, material testing, quality control, mechanical design and engineering ethics. Students will apply Science, Technology, Engineering and Mathematics concepts to the solution of real-world problems through the use of case studies. It is recommended that students take this course at the same time as Physics or after successfully completing Physics.

Full Year Course **1 credit**
Prerequisite: Geometry and 2 Science courses
Students may earn dual credit for this course through RIT.

This is a required course for students pursuing the CTE endorsement in Pre-Engineering.

TEC 450 PLTW: ENGINEERING DESIGN & DEVELOPMENT (EDD) 12

This is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply Science, Technology, Engineering and Mathematics principles developed in the four preceding courses.

Full Year Course

1 credit

Prerequisite: 4 of the following:

***Design & Drawing for Production
Digital Electronics & Robotics
Computer Integrated Manufacturing
*Principles of Engineering
Civil Engineering & Architecture**

T ECHNOLGY EDUCATION ELECTIVES

TEC 100 CAREER & FINANCIAL MANAGEMENT 9, 10, 11, 12

This full year introductory technology course teaches students various life skills and is designed to help students: explore careers, learn how to find a job, and how to properly manage their personal finances. Students will become familiar with career exploration, career management, time management, resume writing, accepting a job offer and other work related issues. Students will be completing a wide array of projects in the areas of business and technology using the design cycle and problem solving. Interspersed throughout the year students will explore different technology areas through "hands-on" activities.

Full Year Course

1 credit

This is a required course for students pursuing the CTE endorsement in Pre-Engineering.

TEC 110 BASIC ELECTRONICS 9, 10, 11, 12

Basic Electronics is an introductory course which covers a wide variety of topics dealing with electricity and electronics. The course focuses on hands-on activities which engage the student in electricity/electronics problem

solving. It is intended to give students a basic background in electronics/electricity that closely relates to the needs of industry. It provides the hands-on instructions required by industry along with the required theory. Students fabricate several basic projects that they may keep. Students will perform numerous experiments that require assembly of several test circuits.

½ Year Course

½ credit

Prerequisite: None

Offered both semesters

TEC 115 ADVANCED ELECTRONICS 9, 10, 11, 12

Advanced Electronics continues where Basic Electronics left off. Each topic will be discussed in greater detail and more complex problems will be addressed. Some areas that will be covered are: amplifiers, power supplies, radios, optoelectronic devices, and electromechanical devices. An emphasis will be placed on design and trouble shooting. Test equipment such as oscilloscopes and signal generators will be used. Experimentation, hands-on design and construction of projects, will be continued.

½ Year Course

2nd semester only

½ credit

Prerequisite: Basic Electronics

Note: Dual credit may be available through MCC when combined with Basic Electronics.

TEC 120 MATERIALS PROCESSING 9, 10, 11, 12

Materials Processing is a half year course that offers students an opportunity to increase their understanding of manufacturing processing. Emphasis will be placed on enhancing the student's knowledge and use of machine tools to produce finished products from materials such as wood, metal and plastics. Students will learn about quality methods, how to budget time, materials, and money. Students will examine and appraise industrial products and processes. They will learn to be responsible for their own work, for tools, equipment, and for the facility – traits necessary to successful future employment. The instructor will select an initial project activity. Upon successful completion of the project, students will be given the opportunity to produce projects of their own design.

½ Year Course

½ credit

Prerequisite: None

Offered both semesters

TEC 130 CONSTRUCTION SYSTEMS **9, 10, 11, 12**

This course is designed to look at the Construction aspect of production, including residential, commercial, and other types of general construction. Students will be involved with constructing house models and related building sub-structures. Other concepts of construction that will be studied are site selection, materials, tools and equipment, and the environmental impacts. There may be construction site visits, weather and transportation permitting.

½ Year Course Offered both semesters ½ credit
Prerequisite: None

MTH 250 GEOMETRY IN CONSTRUCTION

In this course, the Common Core Geometry curriculum is taught through the application of Construction. Team building techniques and cooperative groups will contextualize the Geometry concepts with authentic projects and practical applications. Students will apply geometric concepts to construct house models and related building substructures. Other concepts of construction that will be studied are site selection, materials, tools and equipment, and the environmental impacts. Geometry in Construction is a 2 credit course, team taught by the Mathematics and Technology departments. Students will collaboratively construct a capstone structure and take the Common Core Geometry Regents exam in June.

Full Year Course (2 sets) 2 credits
Prerequisite: Algebra 1 and teacher recommendation

TEC 260 PRECISION MANUFACTURING **10, 11, 12**

Most of the manufactured items we come into contact with on a daily basis were made using highly precise machinery. The people who operate these machines have a special set of skills that are in high demand. This course teaches how to manufacture precision parts out of metal and plastic using milling machines, metal lathes, drill presses, and laser cutters. Print reading, precision measurement, use of hand tools, and machine setup will be taught while making several projects. By the end of the course each student will have a basic set of skills and an understanding of how items are manufactured using precise machine tools.

½ Year Course ½ credit
Successful Completion of Materials Processing Recommended

TEC 300 PHOTOGRAPHY 10, 11, 12

Photography has gone through a major transformation in the past 20 years, but the fundamentals of exposure and composition have remained the same. This course will teach you about exposure controls on the Digital SLR camera and enable you to create professional looking photographs. You will also learn how to duplicate some of these skills on your smartphone using its camera and apps. You will also explore lighting techniques for portrait photography, photo enhancement using Photoshop, and experience the “old way” of making photographs in the dark room. If you are interested in improving your picture taking, exploring photography as a career, or learning how to use the advanced setting on your camera, sign up for Photography. Students will have access to the school’s DSLR cameras and will also use their phone cameras to complete class work.

½ Year Course ½ credit
Prerequisite: None Offered both semesters

TEC 400 STEM EXPLORATION **9, 10, 11, 12**

STEM (Science, Technology, Engineering and Math) careers are forecasted to be in high demand for the foreseeable future. STEM Exploration is an opportunity for students to explore a career option or topic in the STEM field that they are interested in that may not have been available to them in their other courses. If a student is interested in topics such as aviation, robotics, astronomy or environmental science, for example, they could develop a project-based plan to explore this topic. The course content is flexible and student driven with guidance from the teacher.

½ Year Course ½ credit

TEC 550: INTRODUCTION TO OPTICAL TECHNOLOGY 10, 11, 12

Rochester is the hub of the Optics and Photonics industry. Graduates from educational Institutions such as MCC, RIT and U of R are in high demand from employers from all over the world. Over 90% of job opening for Optical Technicians in the Rochester area go unfilled every year. This course explains

fundamental principles and applications of optics. The basic characteristics and the design of optical components and systems will be discussed. Topics such as the history of optics and the presence of optical phenomenon in our everyday lives will be introduced and examined. Basic optical manufacturing will be presented and a comprehensive look into professional career paths will be explored in the optics industry. This course uses the curriculum from Monroe Community College course OPT 110 and also connects students with local Optics companies through field trips and guest speakers.

½ Year Course

½ credit

**Join FIRST Robotics Club Cadet
Robotics Team 6868**

SPECIAL COURSE OFFERINGS & PROGRAMS

“NEW VISIONS” INTERDISCIPLINARY SHADOW PROGRAM

College Preparation

New Vision students attend college-level classes in addition to their shadow placement. The rigorous project-based curriculum gives students a realistic introduction to collegiate standards and expectations.

High School Credit

Career Exploration:	3 credits
Economics:	½ credit
Participation in Gov’t	½ credit

College Credit Available

Introduction to Economics (ECO 101)
3 credit hours

Small Group Communication (SPC 143)
3 credit hours

Foundations of Personal Health & Wellness (HED 130)
3 credit hours

Community Service (minimum of 100 hours)

All students select a volunteer site where they make meaningful contributions while strengthening their connection to the community. The student, organization, and program all benefit from the time and effort that each individual spends with a site. Students are also involved in planning and participating in a number of outreach projects or events designed to contribute positively to the community at large.

Shadowing (minimum of 100 hours)

Weekly shadowing arrangements help the students network with professionals, develop positive mentoring relationships, and understand the link between academics and the working world. Shadowing experiences throughout the year help provide the student with a variety of perspectives and a better overview of their chosen field.

Transferable Skills

New Visions builds upon a strong academic foundation while promoting the development of transferable skills to ensure quality life-long learning experiences. These skills include but are not limited to:

- Time management
- Application of technology
- Stress management
- Team-building
- Task prioritization
- Problem solving
- Effective communication skills
- Creative thinking
- Public Speaking

NEW VISIONS

A Unique Senior Year Opportunity

New Visions provides seniors with a unique insider's study of a broad professional field through classroom and an integrated shadow experience in the chosen field of study. Students participate for part of the school day and can earn 1 credit of Social Studies, and up to 2 credits for Electives, and Health (if necessary). Each program allows students to earn college credits. **The program is by application only (due January 2023).** Find out more at: www.monroe2boces.org (See Career and Technical Education)

HEALTH Professions

Explore Opportunities and Career Network at...

- Hospitals
- Outpatient Clinics
- Health Related Agencies

Areas of Professional Inquiry:

Suggested but not limited to...

- Nurse Practitioner
- Occupational Therapist
- Physician
- Physician's Assistant
- Physical Therapist
- Dental
- Pharmacy

For more information contact:

Dave Mancuso

dmancuso@monroe2boces.org

395-2455

WEMOCO OCCUPATIONAL/TECHNICAL PROGRAMS

Hilton Central School District is proud of our partnership with Monroe 2 BOCES and associated WEMOCO program. We would like to stress that enrollment in WEMOCO is a privilege. To be eligible to enroll in this program, students must:

- **Maintain attendance rate of 93% or higher starting in 9th grade through 12th grade**
- **Actively participate in all classes**
- **Maintain appropriate career ready behaviors**
- **Earn enough credits to accommodate WEMOCO with an on-time graduation**
- **Participate in the school-sponsored tour of WEMOCO**

Students who do not fulfill these basic expectations and/or are involved in any major violation of the code of conduct will not be eligible to enroll. After enrollment, if students do not maintain attendance, participation, and behavior criteria they will be withdrawn. Students must pay close to attention to information about applying for WEMOCO in order to meet deadlines.

If your student is accepted into the WEMOCO program, the same expectations for attendance, participation, and behavior will remain in place to ensure continued participation in the program. You can expect to receive a weekly attendance report. If your child's attendance falls below 93% or they have a behavioral concern, they will be required to meet with their school counselor or assistant principal to review expectations and agree to a plan for improvement in order to stay in the program. Students must pay close to attention to information about applying for WEMOCO in order to meet deadlines.

Students who plan on attending WEMOCO must circle WEMOCO on the course selection sheet, and must also complete a separate WEMOCO enrollment form. Some WEMOCO programs have waiting lists. Contact your Counselor to be sure your registration is complete.

Detailed descriptions of the WEMOCO courses are available online at: <http://www.monroe2boces.org/> > Programs > Career and Technical Education > CTE at WeMoCo > NYSED approved CTE classes
Ideally 2 year courses should be started in the junior year. One year courses can be taken junior or senior year.

**Course credit – 4 credits per year – AM session
4 units per year – PM session**

Students using any WEMOCO program as a substitute for the Language Acquisition requirement for the Advanced Designation Diploma must also take the full year course **Career and Financial Management** at any time during high school at their home school or through WeMoCo. This course is **not** a prerequisite.

TWO YEAR PROGRAMS

Autobody/Collision Repair Technology (I-PM, II-AM)
Automotive Technology (I-PM, II-AM)
Careers In Agriculture (I-PM)
Carpentry (I-PM, II-AM)
Child & Family Development (I-PM, II-AM)
Computer Technology (I-PM, II-AM)
Cosmetology (I-PM, II-AM)
Criminal Justice (I-AM, II-PM)
Culinary Arts (I-PM, II-AM)
Dental Assisting (I-PM, II-AM)
Digital & Video Communication (I-PM, II-AM)
Exercise Science (I-PM, II-AM)
Heavy Equipment Operation & Maintenance (I-PM, II-AM)
HVAC/R & Plumbing (I-PM, II-AM)
Machining (I-PM, II-AM)
Medical Laboratory Assisting & Phlebotomy (I-PM, II-AM)
Nurse Assisting & Associated Health Careers (I-PM, II-AM)
Outdoor Power Sport Technology (I-PM, II-AM)
Residential & Commercial Electrical (I-PM, II-AM)
Welding (I-PM, II-AM)

ONE YEAR PROGRAMS

Baking (AM or PM)

Many programs require purchasing supplies; financial assistance and payment plans are available.

AUTO BODY & COLLISION REPAIR TECHNOLOGY

11, 12 2 Years

Students learn to repair and refinish damaged vehicles. In addition, they learn the fundamentals of metal straightening, MIG-welding, plastic fillers, flexible bumper repair, major collision repair, hardware repair and service, detailing, painting and refinishing. Students will study and demonstrate competency in writing collision estimates and customer work orders.

AUTOMOTIVE TECHNOLOGY

11, 12 2 Years

Students learn to repair and maintain a variety of vehicles. They learn to locate mechanical, electronic and computer problems through careful diagnosis. They perform the necessary repairs using state of the art equipment. Units of study are delivered in 8-10 week modules. Students will rotate every 10 weeks between two instructors. Hands-on-experience is attained by working on customer vehicles. Successful completion of this course prepares students for the NYS certified automobile inspector exam.

BAKING

11 or 12 1 Year

Students learn the fundamentals of baking, food handling, sanitation, and customer relations. Students operate a retail bakery in class that serves students, staff and the general public. Students also prepare baked goods for daily meals, special luncheons and dinners served in conjunction with the Culinary Arts class. Practical baking skills are reinforced by theory instruction in safety, sanitation and mathematics/measuring skills that are needed for large scale baking operations. Units of study include: General Factors in Production, Yeast Dough Production, Fried Products and Production, Desserts and Pastry Production and Confectionery Arts.

CAREERS IN AGRICULTURE

11 1 Year

Students will be introduced to career pathways in agriculture, with a focus on processing, marketing, distribution and development of products & resources. Opportunities include preparation for careers working outdoors, around animals and livestock and with high tech equipment. Students will engage in a variety of agricultural activities at a local farm to explore plant science, horticulture, farm animals and conservation.

Careers in Agriculture is a 2 year program. Year 2 will be offered for the first time in 2024-2025.

CARPENTRY

11, 12 2 Years

Students learn the basics of residential carpentry via an outdoor, on-site house construction where they will work cooperatively with students from other trades. During the two-year period, students will spend one year on rough framing skills: framing, roofing, siding, and hanging of windows and doors. The other year, students concentrate on finish work: drywall, kitchens & bath, trim, and painting. Students will also hone their skills by working on other related projects such as furniture, sheds, decks, etc.

Please consider that students will be working inside/outside and at heights. Students will be working with hand and power tools and students work independently and as a team member.

CHILD & FAMILY DEVELOPMENT

11, 12 2 Years

Students will learn about development across the lifespan including child development (birth to age 12) including being exposed to child-related careers such as Occupational Therapy, Physical Therapy, Speech Therapy, as well as careers in early childhood education. Students will study child development including social, emotional and physical and cognitive growth. Guidance, safety, health and professionalism are also covered. The second year will examine careers in health and human services fields that work with families behind the scenes to help them navigate the systems.

COMPUTER TECHNOLOGY

11, 12 2 Years

Students learn the fundamentals of digital and analog electronics, computer hardware, software and networking. This skill set prepares students for entry level positions as Computer Technicians. Students who complete Computer Technology will be able to assemble computer systems, install operating systems and troubleshoot computers, networks and peripherals via system tools and software. First year students will learn and practice the analog and digital electronic principles that underlie the computer technology industry. Second year students will learn how to set up and support individual PC's and PC networks.

COSMETOLOGY

11, 12 2 Years

A state regulated program of 1,000 hours that prepares students for the New York State Cosmetology licensing exam (theory and practical). Extensive class time is spent studying concepts and terminology relevant to cosmetology. Students learn the basics of hair design, chemical services and the elements of nail and skin care. Theory utilizes basic math, chemistry and anatomy and physiology to supplement the extensive practical work. Students are required to participate as models as well as operators. **In order to achieve 1,000 hours, students need to attend six weeks of summer school between 1st and 2nd years.**

CRIMINAL JUSTICE

11, 12 2 Years

Students will explore opportunities in the field of criminal justice while learning about the history of law enforcement, civil and criminal law and out legal system. Course content includes an in depth look at police work, court cases and outcomes. The program focuses on law enforcement at the local, state and federal levels, as well as the fields of security and corrections.

CULINARY ARTS

11, 12 2 Years

Students study the service industry as it relates to travel and tourism, hospitality and hotels, and culinary skills. Students are introduced to marketing, accounting, food cost controls, customer relations, and restaurant and food service. Students learn the essentials of food production, preparation and dining room service.

DENTAL ASSISTING

11, 12 2 Years

Dental Assisting students learn the skills necessary to become qualified chair-side assistants. Skills included: sterilization/disinfecting techniques, laboratory skills, record keeping, hygiene and oral health, x-ray, dental anatomy, patient relationship skills and knowledge of current dental procedures. Units of study include: Universal Foundation Skills, Basic Dental Sciences, Pre-clinical Dental Skills, Clinical Dental Skills,

Radiology, Dental Specialties and Dental Practice Management.

DIGITAL & VISUAL COMMUNICATION

11, 12 2 years

This program is comprised of Commercial Art and Digital Communications. Students will learn the essence of advertising design and media production to include graphics/illustration via Illustrator/Photoshop; animation and visual literacy; print design; lighting principles and practices; video productions to include pre-production, editing; digital photography; web design.

EXERCISE SCIENCE

11, 12 2 Years

This program is currently in development with WeMoCo staff. It will teach students to design, implement, modify, track and update training programs based on individual needs. They will earn First Aid, CPR & AED certification. This two-year program will also have exposure to OT & PT, Dietetics and Nutrition and weave Holistic Wellness trends throughout the course. The curriculum is a basic foundation to post-secondary studies in physical education, exercise physiology, athletic training, sports management, physical therapy, occupational therapy, dietetics and nutrition. **Students must have a complete physical on file prior to starting class.**

HEAVY EQUIPMENT OPERATION & MAINTENANCE

11, 12 2 Years

Students learn the operations & maintenance of earth moving equipment. These machines rely on two main principles: hydraulics (using the power of fluids to move earth) and diesel combustion engines (to transport the vehicle and its contents). Students apply learned skills through the continued development of Pineway Ponds Park in the Town of Ogden.

HVAC/R & PLUMBING

11, 12 2 Years

This program is designed to prepare students for direct entry to the workforce or post-secondary college programs/apprenticeships in Plumbing, Pipefitting, HVACV-R (Heating, Ventilation, Air Conditioning and Refrigeration). In year one, students learn fundamentals of residential plumbing and hearing installation to fit, assemble and prepare piping and become familiar with reading blueprints and

schematics. By year two, students gain experience installing residential and commercial heating, air conditioning, refrigeration and ventilation systems.

MACHINING

11, 12 2 Years

Students gain a global understanding of precision machining, the process of removing metal to create extremely accurate parts. They learn all aspects of the advanced manufacturing industry, including how to operate CNC (Computer Numerical Controlled) lathes, mills and power saws. The creation of blueprints and designs using industry-driven software and technology is covered, as is performing quality control and inspections. Students will also be exposed to basic welding.

MEDICAL LABORATORY ASSISTING & PHLEBOTOMY

11, 12 2 Years

This program is designed to provide training in the areas of phlebotomy (drawing blood), medical terminology first aid/CPR and general laboratory procedures. In year one, students learn basic skills for use in medical or veterinary laboratories. In year two, students complete phlebotomy training to prepare for certification and gain additional knowledge and skills focused in the areas of biotechnology and microbiology. Skills gained apply to scientific research and product development relevant to a variety of industries – pharmaceuticals, medical, veterinary, cosmetics, environmental, food and agricultural.

NURSE ASSISTING & ASSOCIATED HEALTH CAREERS

11, 12 2 Years

Units of study are focused on preparing students for the New York State Nurse Aide certification exam. Students learn the fundamentals of patient care and skills necessary for entry level employment in health care facilities such as nursing homes, hospitals and home health care. Students spend the first 20 weeks of the first year in a simulated hospital setting, participating in lab and theory. Students participate in role play activities as patients and caregivers for their fellow classmates. Students spend part of the third marking period directly working with patients in a clinical setting. Second year students return to the class for two weeks and then go out on clinic starting week three of school. They will rotate between clinic and class/lab until half way through the third

marking period. Students can sit for the CNA licensing exam, once their clinic and theory hours are met.

RESIDENTIAL & COMMERCIAL ELECTRICITY

11, 12 2 Years

Students receive instruction in electrical theory, residential wiring, and commercial wiring. Instruction in these three areas is applied through work on wiring new houses, upgrading existing residential wiring, blueprint reading, industrial branch circuits, 3-phase motor controls, fire and security systems, process controls and programmable logic controllers. Students are involved in construction of a modular home along with Carpentry and Plumbing & Heating students.

OUTDOOR POWERSPORTS TECHNOLOGY

11, 12 2 Years

Students are introduced to the basic repair and maintenance of air-cooled engines used in recreational vehicles including: motorcycles, ATV's, snowmobiles, push/riding lawn mowers and marine engines. Students work on vehicles from a community customer base and learn relevant customer service skills to supplement classroom theory. Units of study include: safety, careers, engine assembly/disassembly, ignition systems, fuel systems, cooling systems, drive systems, brakes and marine mechanics.

WELDING

11, 12 2 Years

Students gain a global understanding of welding, the art and science of joining metal together. Common industry standard processes of Shielded Metal Arc Welding (SMAW-Stick), Gas Tungsten Arc Welding (GTAW-TIG), and Gas Metal Arc Welding (GMAW-MIG), as well as plasma arc and oxy-acetylene cutting are covered. Students will be exposed to the programming (CNC) aspect of machining.

OTHER PROGRAMS **(By Recommendation Only)**

SERVICE AND TRADES

Building Trades (AM or PM)

Food Service (AM or PM)

Personal Services (AM or PM)

INTRODUCTION TO CONSTRUCTION TRADES

11, 12 1 Year

This introductory course will provide juniors & seniors the opportunity to explore and build background knowledge in four areas of the construction trade fields: Carpentry, Plumbing/HVAC, Electricity & Heavy Equipment. Each quarter students will participate in knowledge and performance activities/assessments, guest presentations, field trips, and work based learning experiences related to one of the areas.

INTRODUCTION TO BUILDING TRADES

Students learn the basic skills necessary for working in the building trades. Students are exposed to skills in carpentry, electricity and plumbing. Across these areas, students apply safety, tool care and customer relation skills.

INTRODUCTION TO FOOD SERVICE

Students learn the basic skills necessary for working in a food service environment. Skills include food preparation, receiving orders, customer relations, operation of food preparation equipment and sanitation.

PERSONAL SERVICES

Through activities in the classroom and supervised worksite experiences students are exposed to the basic elements of service occupations. Within the curriculum students will learn basic safety, communication skills, technical math, and fundamental computer skills as they relate to the service industries.

GRADUATION PLAN WORKSHEET

Name: _____ Diploma Type: _____

9th Grade

English 9		
Global I		
Science		
Math		
World Language		
P.E.		

8th Grade

Algebra 1

Spanish 1 or French 1

Earth Science

Total Credits

11th Grade

English 11		
U.S. History		
Science		
Math		
P.E.		

Total Credits

Regents Exams

English _____

Global _____

U.S. History _____

Science _____

Math (Alg 1) _____

F.L.Prof. _____

10th Grade

English 10		
Global II		
Science		
Math		
World Language		
P.E.		

Total Credits

12th Grade

English 12		
Government/Economics		
P.E.		

Total Credits

Advanced Regents Exams

English _____

Global _____

U.S. History _____

Math (Alg 1) _____

Math (Geom) _____

Math (Alg 2/Trig) _____

Living Env. _____

Physical Science _____

(Earth, Chem, Physics)

Language Acquisition _____

HILTON HIGH SCHOOL

400 East Avenue
Hilton, NY 14468

Jeffrey M. Green, Ed. D.

Principal

Mark Driesel

Assistant Principal Gr. 10

Erin Schneider

Assistant Principal Gr. 11

Carol Saladzius

Assistant Principal Gr. 12

Michael LeGault

Assistant Principal Gr. 9

HILTON CENTRAL SCHOOL DISTRICT

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Hilton, NY 14468
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HILTON BOARD OF EDUCATION

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**NOTICE OF COMPLIANCE WITH
TITLE IX REGULATIONS**

The Hilton Central School District, Hilton, New York, does not discriminate on the basis of sex in the educational programs or activities which it operates, and it is required by Title IX of the Educational Amendments of 1972 not to discriminate in such a manner. This policy of non-discrimination includes the following areas: recruitment, appointment and promotion of employees, employment pay and benefits, counseling services for students, access by students to educational programs, course offerings, and student activities.

The district official responsible for the coordination of activity relating to compliance with Title IX is:

Casey Kosiorek, Superintendent of Hilton Central Schools
225 West Avenue
Hilton, New York 14468
(585) 392-1000

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

