

JERICHO HIGH SCHOOL

8TH into 9TH Grade Course Offerings

2020-2021

Table of Contents

| | |
|--------------------------------------|-----------|
| Diploma Requirements | 3 |
| Business Education | 5 |
| English Language Arts | 7 |
| Family & Consumer Science | 9 |
| Fine Arts | 10 |
| Mathematics | 12 |
| Performing Arts | 14 |
| Physical Education | 16 |
| Science | 20 |
| Social Studies | 22 |
| Technology | 23 |
| World Language | 24 |

New York State Diploma Requirements Applicable to All Students Enrolled in Grades 9-12

CREDIT REQUIREMENTS

(Apply to all diploma types: local, Regents, Regents with advanced designation)

| | MINIMUM NUMBER OF CREDITS |
|--|---------------------------|
| English | 4 |
| Social Studies (see note #6) <i>Distributed as follows:</i> <i>U.S. History (1)</i> <i>Global History and Geography (2)</i> <i>Participation in Government (½)</i> <i>Economics (½)</i> | 4 |
| Science <i>Distributed as follows:</i> <i>Life Science (1)</i> <i>Physical Science (1)</i> <i>Life Science or Physical Science (1)</i> | 3 |
| Mathematics | 3 |
| Languages Other than English (LOTE) | 1(**) |
| Visual Art, Music, Dance, and/or Theater | 1 |
| Physical Education <i>(participation each semester)</i> | 2 |
| Health | 0.5 |
| Electives | 3.5 |
| Total | 22 |

(**) Students with a disability may be excused from the requirement for 1 unit of credit in LOTE if so indicated on their IEP, but they must still earn 22 units of credit to graduate.

1.) Pathways

A student must either:

- complete all the [requirements for the CDOS Commencement Credential](http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/cdos-field-memo-june-2016.pdf) (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/cdos-field-memo-june-2016.pdf>); or
- pass an additional math Regents examination in a different course or Department approved alternative; or
- pass an additional science Regents examination in a different course or Department approved alternative; or
- pass an additional social studies Regents examination in a different course or Department approved alternative; or
- pass an additional English assessment in a different course selected from the Department Approved Alternative list; or
- pass a Department approved CTE pathway assessment, following successful completion of an approved CTE program; or
- pass a Department approved pathway assessment in the Arts; or
- pass a Department approved pathway assessment in a Language Other than English (LOTE)

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

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

2.) Appeals

Appeals are subject to local district approval.

See [Information on an Appeal to Graduate with a Lower Score on a Regents Examination](http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/3-18appealformincludingell-swdmarch2018.pdf)

(<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/3-18appealformincludingell-swdmarch2018.pdf>).

3.) Special Endorsements

Honors: A student earns a computed average of at least 90 on the Regents examinations applicable to either a Regents diploma or a Regents diploma with advanced designation. No more than 2 Department approved alternatives can be substituted for Regents examinations. The locally developed Checkpoint B LOTE examination is not included in the calculation.

Mastery in Math and/or Science: A student meets all the requirements for a Regents diploma with advanced designation AND earns a score of 85 or better on 3 math Regents examinations and/or 3 science Regents examinations.

Technical Endorsement: A student meets the requirements for either a local diploma, a Regents diploma or a Regents diploma with advanced designation AND successfully completes a Department approved CTE program including the 3-part technical assessment.

4.) Languages Other than English (LOTE) Exempt Students

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

5.) Superintendent Determination of a Local Diploma

Students with a disability who are unable to attain a local diploma through the various safety net provisions may be eligible for a Superintendent Determination of a local diploma under certain conditions. See [Superintendent Determination Option for Graduation with a Local Diploma](http://www.p12.nysed.gov/specialed/publications/superintendent-determination-option-august-2018.html) (<http://www.p12.nysed.gov/specialed/publications/superintendent-determination-option-august-2018.html>).

6.) Social Studies Requirement for Students entering grade 9 prior to September 2016

All students first entering grade 9 in 1985 and thereafter but prior to September 2016, shall earn four units of credit in social studies. Such requirement shall include: one unit of credit in American history and one half unit of credit in *Participation in Government* and one half unit of credit in *Economics*.

EXAMINATION REQUIREMENTS

| REGENTS EXAM or passing score on a Department approved alternative | Regents Diploma for All Students | | Regents Diploma via Appeal for All Students | | Local Diploma via Appeal for All Students | | Local Diploma for Students with a Disability | | Local Diploma via Appeal for English Language Learners | |
|--|----------------------------------|--------------------|---|---|---|---|--|----------------------------------|--|---|
| | # of Exams | Passing Score | # of Exams | Passing Score | # of Exams | Passing Score | # of Exams | Passing Score | # of Exams | Passing Score |
| English Language Arts (ELA) | 1 | 65 | 1 | 1 Regents exam with a score of 60-64 for which an appeal has been granted by the district and all remaining Regents exams with a score of 65 or above | 1 | 2 Regents exams with a score of 60-64 for which appeals have been granted by the district and all remaining Regents exams with a score of 65 or above | 1 | 55 ^{*^} | 1 | Either the ELA Regents exam with a score of 55-59 for which an appeal has been granted by the district, and all remaining Regents exams with a score of 65 or above, OR 1 Regents exam with a score of 60-64 and the ELA Regents with a score of 55-59 for which appeals have been granted for both by the district, and the remaining Regents exams with a score of 65 or above [†] |
| Math | 1 | 65 | 1 | | 1 | | 1 | 55 ^{*^} | | |
| Science | 1 | 65 | 1 | | 1 | | 1 | 55 ^{*^} | | |
| Social Studies | 1 | 65 | 1 | | 1 | | 1 | 55 ^{*^} | | |
| Pathway <i>(See note 1 on reverse side)</i> | 1 or CDOS | 65 if Regents Exam | 1 or CDOS | | 1 or CDOS | | 1 or CDOS | 55 ^{*^} if Regents Exam | | |
| Compensatory Safety Net | <i>Non-Applicable</i> | | <i>Non-Applicable</i> | | <i>Non-Applicable</i> | | Scores of 45-54 on any required Regents exam (except ELA and Mathematics) can be compensated by a score of 65 or above on another required Regents exam including ELA and Mathematics. | | <i>Non-Applicable</i> | |

REGENTS DIPLOMA with ADVANCED DESIGNATION

Depending on the pathway a student chooses, the Regents diploma with advanced designation assessment requirements may be met in multiple ways. Students seeking the Regents diploma with Advanced Designation may choose from the following assessment options:

| | |
|--|--|
| Traditional Combination | ELA, Global History and Geography, US History and Government, 3 mathematics, 2 science (1 life science, 1 physical science) = 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B LOTE Exam OR a 5-unit sequence in the arts or CTE. |
| Pathway Combination (other than STEM) | ELA, 1 social studies, 3 math, 2 science (1 life science, 1 physical science), 1 Pathway (other than science or math) or complete the requirements for the CDOS Commencement Credential = 7 (+CDOS) or 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B LOTE Exam OR a 5-unit sequence in the arts or CTE. |
| STEM (Mathematics) Pathway Combination | ELA, 1 social studies, 4 math [†] , 2 science (1 life science, 1 physical science) = 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B Exam or a 5-unit sequence in the arts or CTE. |
| STEM (Science) Pathway Combination | ELA, 1 social studies, 3 math, 3 science (at least 1 life science, at least 1 physical science) = 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B LOTE Exam OR a 5-unit sequence in the arts or CTE. |

* A student with a disability may appeal scores between 52 and 54 on up to two Regents examinations in any discipline and graduate with the local diploma. See [Diploma Requirements Chart: Local diploma for Students with Disabilities](http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diploma-and-credentials-summary-requirements.pdf#page=4) (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diploma-and-credentials-summary-requirements.pdf#page=4>).

[^]In the event a student with a disability is unable to attain a passing score on any Regents examination, the student may be eligible for a [Superintendent Determination of a local diploma](http://www.p12.nysed.gov/specialed/gradrequirements/home.html). See [Information Related to Graduation Requirements for Students with Disabilities](http://www.p12.nysed.gov/specialed/gradrequirements/home.html) (<http://www.p12.nysed.gov/specialed/gradrequirements/home.html>).

[†]English Language Learners seeking an appeal for a score of 55-59 on the ELA Regents Exam are only eligible if they entered the United States in grade 9 or after and were classified as an English Language Learner when they took the test the second time. See [Diploma Requirements Chart: Local Diploma: English Language Learners Only](http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diploma-and-credentials-summary-requirements.pdf#page=6) (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diploma-and-credentials-summary-requirements.pdf#page=6>).

[†]The 4th mathematics examination can be selected from the list of [Department Approved Alternative Examinations](http://www.p12.nysed.gov/assessment/hsgen/archive/list.pdf) (<http://www.p12.nysed.gov/assessment/hsgen/archive/list.pdf>).

Business Education

6121: Entrepreneurship

This course is designed to provide students interested in a business venture the opportunity with class instruction of how to establish a business. Once this business is established groups of students will be charged with the responsibility of designing and producing a marketable product. They will utilize the school community to promote sales and show a profit for their local group product. Tax ramifications of local, state and federal governments will also be highlighted. This group project may utilize talents of members of other departments of the school community to enhance their marketable product.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

6131: Marketing/Advertising

Marketing presents an overview of global marketing strategy starting with target market identification and ending with consumption. Using a variety of classroom activities, students participate in step-by-step methods of creating a marketing mix, pricing, designing appropriate advertising, creating new products and services. Case study analysis, computer programs, and videos enhance the content of this valuable course. A must for prospective college business majors.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

6141: Personal Finance & Wealth Management

Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course gives students an overview of how to manage their individual financial circumstances. Topics covered will include basic financial recordkeeping, personal, auto, mortgage and home equity loans, investing fundamentals, property and casualty insurance, life insurance, health insurance, and tax planning. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by the experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

6181: Sports Management

The American market place can be an economic jungle. You need to know the rules to survive and become successful. Sports, Entertainment, and Business Management is designed to help you develop the skills and the confidence to manage a business successfully. The everyday operations of athletic teams and stadium management, player contracts, agent representation, and athletic events require management skills. The production of movies, plays, and commercials involves strategies designed for each media. Making financial decisions and managing risks involve knowing how to use insurance, financial institutions, and the stock market to keep a business competitive. These management skills will enable your business to thrive even in the jungle!

Prerequisite (s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

English Language Arts

1111: English I

English I is the first year of a four-year sequence in English required of all students for high school graduation. Based on the theme Self and Others and on a variety of thinking skills, English I presents a wide range of activities designed to extend mastery in literature and reading, writing, grammar, word study, discussion, and study/research skills. Literary works studied include To Kill a Mockingbird, Old Man and the Sea, The Glass Menagerie, Romeo and Juliet, and a wide selection of short stories, essays and poetry.

Prerequisite(s): None

Grade(s): 9

Credit: 1

Meets: 5 periods weekly

1531: Introduction to Public Speaking

This half-year elective course is designed to equip freshmen and sophomore students with the speech and communication tools that will be useful for their entire high school career and beyond. Students will improve their ability to speak effectively to their peers and larger audiences, find solutions for stage-fright or speech anxiety, explore their "voice," learn how to use technology to enrich their presentations, perform monologues and skits, enhance their interview skills, analyze and deliver speeches, and understand the interplay between verbal mechanics (vocal variety, volume, speed, enunciation, and pronunciation) and body language (poise, posture, body language, eye contact, facial expressions).

Prerequisite(s): None

Grade(s): 9, 10

Credit: 0.5

Meets: 5 periods weekly

1541: Myths & Legends from Homer to Harry Potter

This course will examine the connection between ancient myths, legends and folklore such as Norse, Greek and Roman mythology, Arthurian legends, American folklore, and modern legend like the Harry Potter series and the Lord of the Rings books.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

1611: New Media Communications/Journalism

New Media Communications/Journalism will teach students the skills necessary for communication in the digital age. This course will use the production of the new online newspaper as the vehicle to teach students skills of traditional literacy as well as those of: information literacy, media literacy, videography, digital audio recording and editing, web design, and digital publication. Students will learn the skills of reporting, writing, and editing including: interviewing skills, research methods, copy writing and editing, and news broadcasting. In addition to these real world skills, students will consider the ethics and business of producing news with particular emphasis on the issues presented when doing so on the Internet. The students in the

course will be responsible for planning and producing the new JerEcho —a most important record of life at Jericho High School.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

Family & Consumer Science

6511: Gourmet Basics

Students will explore basic cooking and baking skills, as well as the relationship between food preparation and nutrition. In the foods laboratory, students work in small groups to develop planning, preparing, and evaluation skills. Product packaging, labeling, and advertising, catering projects, and garnishing will also be included.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

6521: International Foods

Students will learn about food and culture from around the world. Food, nutrition, culture and meal taking customs will be discussed. Students will work in the kitchen labs on a regular basis, preparing dishes and evaluating the outcome...by tasting the dishes! Students will research and present information about healthy eating and nutrition around the world.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

Fine Arts

7111: Studio Art

This is a comprehensive foundation course that is suitable for all students with varying abilities who are interested in hands-on creative experiences. Students will have the opportunity to explore not only a variety of 2-dimensional materials but will also experiment with a variety of 3-dimensional materials. Examples are kiln fired clay, wire, wood, paper mache and plaster. With a focus on Elements of Art and the Principles of Design in accordance with the New York State Visual Art Standards, this full year course will satisfy a broad spectrum of student interest. This course fulfills the art/music requirement for graduation.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

7231: Photography I

A beginning course of photography which is highlighted by instruction in the use of a 35 mm. camera and the development and printing of photographs you have taken. The class will also include a variety of photo printing techniques and field trips to interesting photo opportunity sites on Long Island or in New York City. Each student will participate in activities which are centered around the computer and Photoshop software.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly (half year)

7241: Photography II

This course will provide the student with further exploration of new and advanced techniques in enlarging (double exposure photographs), color printing, and coloring black & white photos. They will experiment with toning, watercolors, pen & ink, along with special mounting techniques. The student will also be introduced to the digital camera and its unique capabilities with the computer and the software package Photoshop. This course will enable the student to broaden his/her art portfolio.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly (half year)

7411: Media Arts

Arts is a foundation level course that incorporates the New York State Standards for art education. This course will give each student an opportunity to explore the elements and principles of design through the use of electronic media. Students will utilize graphic programs, scanners, digital cameras and experiment with a wide variety of art materials. Within the Media Arts curriculum, students will develop aesthetic sensitivity, practical experiences, technical terminology and a multicultural and historical perspective on the Media Arts. Units in art history, computer graphics, film history, animation and photography will be explored throughout the year. Students successfully completing this course for one unit of credit satisfy the Art graduation requirement.

Prerequisite(s): None
Grade(s): 9, 10, 11, 12
Credit: 1
Meets: 5 periods weekly

7451: Graphic Design

This course is designed to familiarize students with industry standard graphic design software including Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Adobe Lightroom, and more. Students will have the opportunity to create digital works of art and design ranging from digital illustration to basic logos, advertisements, and posters. Students will develop design skills by creating real-world inspired projects, participating in multiple in-class practice assignments as well as guided-learning lessons, and engaging in thoughtful and purposeful critiques. Students will also work to make meaningful artistic choices and be able to verbally explain their decisions by “pitching” their work. This class does not satisfy the Art graduation requirement.

Prerequisite(s): None
Grade(s): 9, 10, 11, 12
Credit: 1
Meets: 5 periods weekly

Mathematics

3111: Algebra I

This is the first course in the New York State Mathematics sequence. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. Problem situations may result in all types of linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Students will solve problems that require right triangle trigonometry. Elementary probability theory will be used to determine the probability of independent, dependent and mutually exclusive events. The graphing calculator will be used as a tool to enhance instruction. The New York State Algebra I Regents exam will be administered in June.

Prerequisite(s): Math 8

Grade(s): 9

Credit: 1

Meets: 5 periods weekly

3211: Geometry

This is the second course in the New York State Mathematics sequence. Students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships. A major emphasis of this course is to allow students to investigate geometric situations. It is intended that students will use the traditional tools of compass and straightedge as well as dynamic geometry software that models these tools. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences. The New York State Geometry Regents exam will be administered in June.

Prerequisite: Algebra I

Grade(s): 9, 10

Credit: 1

Meets: 5 periods weekly

3311: Algebra II

This is the third course in the New York State Mathematics sequence. Students will build on their work with linear, quadratic, and exponential functions, and extend their repertoire of functions to include polynomial, rational and radical functions. Students will hone their abilities to model situations and solve equations, including quadratic equations, exponential equations and logarithmic equations. The Algebra 2 Regents exam will be administered in June.

Prerequisite(s): Geometry

Grade(s): 9, 10, 11

Credit: 1

Meets: 5 periods weekly

3611: Exploratory Programming

This course is an introductory course to computer programming. The basic concepts of how a computer works will be taught. Students will create websites by writing HTML using notepad ++. Java applets will be embedded into HTML documents and executed using a web browser. Students will create interactive programs and games using Python, while learning about functions, loops, classes and a number of different aspects of coding. Finch robots will be used as a way to help students bring their codes and programs to life.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

Performing Arts

7511: Music Theory I

The study of the elements of music melody, harmony, rhythm, chords, vocabulary, and notation all lead to an understanding of how to compose music and how music is constructed. This computer assisted course is designed for those with intermediate to advanced musical training. This course may be used to satisfy the five year sequence requirements for music leading to Regents Diploma.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

7611: Orchestra 9-10

As members of the orchestra students who play string instruments study and perform mature orchestra literature. They participate in concerts, assemblies, and musicals. *Course fulfills Art/Music requirement for graduation.

Prerequisite(s): Sufficient previous training

Grade(s): 9, 10

Credit: 1

Meets: 5 periods weekly

7711: Concert Band

Members of the concert band perform music of medium difficulty. They perform at concerts, football games, and pep rallies. *Course fulfills Art/Music requirement for graduation.

Prerequisite(s): Some instrumental training

Grade(s): 9, 10

Credit: 1

Meets: 5 periods weekly

7811: Chorus

The chorus provides a vocal experience for students. They sing music of varying styles, languages, and difficulty. *Course fulfills Art/Music requirement for graduation.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

7731: Jazz Ensemble

In this weekly, full-year course, students become acquainted with the elements of Jazz and its production. They study improvisation and perform suitable literature. The jazz band performs at various school functions.

Prerequisite(s): Audition and membership in a large music ensemble.

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly, outside of the regular school day

9411: Dance I

This course explores the basic techniques of various styles of dance. Throughout the year we will be studying dance using creative expression and technical achievement. We will be exploring jazz, modern/contemporary, hip hop, and composition through various exercises and floor work. The movement portion of the class consists of a complication of warm ups, center floor exercises including balancing skills, body alignment, and stretches, as well as across the floor exercises. Students learn the beginning skills of choreography through guided group projects. Students will work with partners and start providing dance feedback using dance language. ***Course fulfills Art/Music requirement for graduation. Students seeking to take Dance I as their PE course must enroll in the half credit, alternate day, version of the course listed in the Physical Education section of the course catalog (9411A).**

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1.0

Meets: 5 periods weekly

Physical Education

9111A: Team Sports and Fitness

Physical Education is based upon the acquisition of knowledge and skills as a foundation for engaging in physical activity. However, the mere acquisition of knowledge and skills is not enough. The mission of this physical education course would be to enable all students to actively participate in sports that include teamwork. While, all students work to sustain regular, lifelong physical activity as a foundation for a healthy, productive, and fulfilling life. Our vision is to provide all students with a sequential program based on physical activities undertaken in an active, caring, supportive, meaningful and non-threatening atmosphere in which every student is challenged and successful while learning how to work as a team for the common goal.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

This course may be taken for varsity release

Activities may include:

| Team Sports | Fitness Concepts | Cooperative Games |
|--------------------|-------------------------|--------------------------|
| Basketball | Aerobics | Project Adventure |
| Diamond Sports | Cardio Training | |
| Flag Football | CrossFit | |
| Pillow Polo | Weight Training | |
| Ultimate Frisbee | Yoga | |
| Soccer | | |
| Team Handball | | |
| Volleyball | | |

9121A: Individual Sports and Fitness

Physical Education is based upon the acquisition of knowledge and skills as a foundation for engaging in physical activity. However, the mere acquisition of knowledge and skills is not enough. The mission of physical education is to enable all students to sustain regular, lifelong physical activity as a foundation for a healthy, productive, and fulfilling life. Our vision is to provide all students with a sequential program based on physical activities undertaken in an active, caring, supportive, meaningful and non-threatening atmosphere in which every student is challenged and successful. **This course may be taken for Varsity release**

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

Activities that may be offered:

| Racquet/Net Sports | Fitness Concepts | Individual Sports |
|--------------------|------------------|-------------------|
| Badminton | Aerobics | Disc Golf |
| Table Tennis | Cardio Training | Golf |
| Tennis | Cross Fit | Outdoor Games |
| Pickelball | Yoga | |
| Volleyball | Weight Training | |

9231A: Self Defense/Judo

The students will learn the basics of self defense with an emphasis on Judo. Traditional as well as the Olympic competition styles of Judo will be emphasized. The students will learn the history of Judo as well as other martial arts and how they relate to self-defense. The students will be able to attain the first rank (yellow belt) in Judo by learning all essential techniques. If a student chooses to continue with the program, they will earn another rank each of the following years based on completion of Kata test at the end of each year.. A second year student will obtain the rank of Orange Belt. A third year student will obtain the rank Green Belt. A fourth year student will obtain the rank of Blue Belt. There will be a fitness component included that directly relates to Judo. Upon completion of the yellow belt a student may take the course the following school year to achieve the next belt level. Students receive P.E. credit. **Course is not eligible for Varsity Release.**

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

9241A: Strength and Conditioning

A Physical Education course geared towards covering strength and cardio muscular endurance training. The class will also have lessons geared to physical fitness and health as a lifetime sport. The students will incorporate specific types of training such as CrossFit, Yoga, Free Weight and Machine assisted workouts. Different types of Cardio endurance workouts such as running, swimming and biking (if possible). Students will gain knowledge of muscle function, physiology, and human movement, while understanding how physical activity enhances health-related physical fitness. They will look at the relationship between nutrition and performance. Students will assess their health-related fitness, learn specific activities to develop or maintain fitness, and design a personal exercise program. **Course is not eligible for Varsity Release.**

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

9251A: Tai Chi/Kung Fu

Tai Chi Kung Fu is a powerful martial arts system focusing on the cultivation of full-body power, balance, mental concentration, martial arts techniques and relaxation. The Tai Chi Kung Fu curriculum includes instruction in physical exercises, martial arts techniques, partner drills, breathing exercises, mental imagery, meditation, stretching, strength training, physical and emotional balance work, nutrition and wellness. What ties all of these areas together is the Eastern philosophical underpinning upon which all of these methods are based. Students will leave this course with a greater understanding and appreciation of martial arts, health, wellness, meditation, Eastern philosophy and mental focus. ***(Available for college credit through LIU Post Scholars Program). Course is not eligible for Varsity Release.**

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

9261A: Yoga

Yoga is all about harmonizing the body with the mind and breath through the means of various breathing exercises, yoga poses and mindfulness practices. Some of the benefits of practicing yoga on a regular basis include the following: increase flexibility, fostering emotional awareness, stress reduction, increased focus and concentration, supports healthy sleep hygiene and overall physical wellness. Additional benefits include introducing students to self-reflection, the practice of kindness and self-compassion, and continuing growth in their self-awareness. The students will learn to observe their needs and their environment, and respect their bodies for the long-term.

The techniques that will be developed throughout the year are as follows:

Breathe: The breath is one of the most powerful tools for self-regulation. Breath activities help students learn to reduce anxiety, stabilize energy, and create a sense of safety and peace in the body.

Move: The poses help students maintain a state of alert engagement, and allows for them to feel strong and energetic.

Focus: Lead through a mindfulness practice, children will learn step-by-step, how to apply their focus and foster a sense of self-awareness.

Relax: This allows the student to learn the tools necessary for relaxation and restoration.

Course is not eligible for Varsity Release.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

9411A: Dance I

This course explores the basic techniques of various styles of dance. Throughout the year we will be studying dance using creative expression and technical achievement. We will be exploring jazz, modern/contemporary, hip hop, and composition through various exercises and floor work. The movement portion of the class consists of a compilation of warm ups, center floor exercises including balancing skills, body alignment, and stretches, as well as across the floor exercises. Students learn the beginning skills of choreography through guided group projects. Students will work with partners and start providing dance feedback using dance language. ***Dance I (9411A) can be taken as a student's PE course, but does not count toward meeting the Art/Music requirement for graduation. Students seeking to satisfy the Art/Music requirement by taking Dance I must enroll in the full credit version of the course listed in the Performing Arts section of the course catalog (9411).**

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 2.5 periods weekly

Science

4111: Physical Setting/Earth Science

This course marks the beginning of the Regents Science sequence and will prepare students for the physical setting-earth science assessment. In addition to the regular daily class period, students meet for an additional laboratory period every other day. Regents Earth Science is an inter-disciplinary course that builds on the background in science acquired in the earlier grades. Matter, energy, space and time are put into perspective through an inquiry-centered study of the student's environment on Earth. This framework attempts to relate all areas of science. Biology, chemistry, mathematics and physics are basic to understanding the processes that affect our planet and the universe. Astronomy, geology, meteorology and oceanography are strongly interwoven throughout the course. Laboratory activities form the core of this curriculum. Successful completion of laboratory assignments is required for admission to the Regents Examination. All students take the Physical Setting/Earth Science Regents exam at the conclusion of course.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 7.5 periods weekly

4211: Regents Living Environment

This course prepares students for the New York State Living Environment assessment. Students develop positive scientific attitudes, utilize inquiry skills, and develop an understanding of the basic concepts of modern biological science. Molecular genetics, ecological relationships and environmental issues are emphasized to prepare students to better understand the latest trends in the life and medical sciences. Laboratory work is a major part of the course. Successful completion of laboratory assignments is required for admission to the Regents examination. All students take the Living Environment Regents exam at the end of the course.

Prerequisite(s): Earth Science

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 7.5 periods weekly

4311: Physical Setting/Chemistry

In this course students learn how to observe and describe experiences, to organize facts, to generalize relationships, and to predict future experiences. They gain a modern view of the fundamental concepts of chemistry. This includes a thorough understanding of the following topics: matter and energy, atomic structure, bonding, the periodic table, the mathematics of chemistry, kinetics and equilibrium, acids and bases, redox and electrochemistry, organic chemistry, applications of chemical principles, and nuclear chemistry. Laboratory work is a major part of the course. Successful completion of laboratory assignments is required for admission to the Regents Examination. All students take the Physical Setting: Chemistry Regents Examination at the end of the course.

Prerequisite(s): Algebra I and Living Environment

Grades: 9, 10, 11, 12

Credit: 1

Meets: 7.5 periods weekly

2811: Introduction to Research 9

Introduction to Research seeks to accomplish two objectives. One objective is to provide 9th graders with a sense of what it means to participate in the high school research program that begins in the 10th grade in either science or social science. The second objective is to teach 9th graders the basic skills in research and presentation, both written and oral, which are fundamental to academic success in high school, college and beyond. Those skills include: 1. How to evaluate the validity of websites. 2. How to utilize the High School Library's electronic databases. 3. How to build a bibliography. 4. How to write a science or social science research paper. 5. How to make an effective oral presentation. 6. How to use a spreadsheet program to create charts and graphs.

Prerequisite(s): None

Grade(s): 9

Credit: .5

Meets: 5 periods weekly

Social Studies

2111: Global History I

Grade 9 begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact and continues to a period of Global Interactions from approximately 1400 to 1750. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems.

Co-requisite: None

Grade(s): 9

Credit: 1

Meets: 5 periods weekly

2521: Tournament Debate I

Students learn philosophy, rhetoric and study and practice debating strategies and techniques. Current events and controversial issues are analyzed and debated. Novice debaters will hone skills, such as critical listening, research and public speaking. We will discuss current events and the historical components necessary to participate in Lincoln-Douglas and Public Forum Debates. Students are encouraged to debate with students from other schools at the Long Island Forensic Association's competitions. Students also have the opportunity to participate in local and state debate competitions.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: 5 periods weekly

2811: Introduction to Research 9

Introduction to Research seeks to accomplish two objectives. One objective is to provide 9th graders with a sense of what it means to participate in the high school research program that begins in the 10th grade in either science or social science. The second objective is to teach 9th graders the basic skills in research and presentation, both written and oral, which are fundamental to academic success in high school, college and beyond. Those skills include: 1. How to evaluate the validity of websites. 2. How to utilize the High School Library's electronic databases. 3. How to build a bibliography. 4. How to write a science or social science research paper. 5. How to make an effective oral presentation. 6. How to use a spreadsheet program to create charts and graphs.

Prerequisite(s): None

Grade(s): 9

Credit: 0.5

Meets: 5 periods weekly

Technology

4916: Introduction to Engineering Design (IED) (C) - Project Lead the Way 1

Introduction to Engineering Design This is an engineering foundation course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using the sophisticated solid modeling computer software program Autodesk Inventor. This course is the first part of a Project Lead the Way sequence in the high school. Project Lead the Way is a nationwide multi-year program which, when combined with traditional secondary school mathematics and science courses, introduces students to the scope, rigor and discipline of engineering prior to entering college. This course may be taken for college credit through the Rochester Institute of Technology.

Prerequisite(s): None

Grade(s): 9, 10, 11

Credit: 1

Meets: 5 periods weekly

4961: Introduction to Film and Video Production I

Lights, Camera, Action! This course will provide students with a foundational tool kit in the basics of video capture and editing. Students will develop skills in photography, cinematography, and will learn to edit video and audio with Final Cut Pro (an industry standard software). Additional topics covered include newscast, green screen, lighting, camera angles, and special effects. *Prerequisite(s): None*

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: Everyday for 1 period for 1 semester

4971: Introduction to Film and Video Production II

Do you like movies, stories, and using your imagination? Then Let's Make A Video! Videos are one of the most exciting ways to share information in the 21st century. Learn how to produce and share videos through a variety of genres including animation, documentary, experimental, narrative, interview, and newscast. You are bound only by your own imagination.

Prerequisite(s): Introduction to Film and Video Production I

Grade(s): 9, 10, 11, 12

Credit: 0.5

Meets: Everyday for 1 period for 1 semester

World Language

5111: Spanish I

Students begin to develop proficiency in listening and speaking the Spanish language. They learn proper pronunciation and engage in simple conversations. Structures are learned and gradually, with the use of authentic materials, the students develop basic reading and writing skills. They begin to explore the culture and civilization of the Spanish-speaking world.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5121: Spanish II

The students continue to develop their proficiency in the four basic skills of listening, speaking, reading, and writing. They expand their vocabulary, improve their pronunciation, and learn more complex grammatical structures in order to communicate in a variety of real-life situations. The students further develop their knowledge of the culture and civilization of the Spanish-speaking world.

Prerequisite(s): Spanish I

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5211: Chinese Language and Culture I

As the Chinese language is getting more important, don't miss the opportunity to get yourself prepared for the future. This course is intended to build students' basic daily communicative skills in Mandarin Chinese including conversation, reading and writing. Pinyin, a Romanization of Chinese, will be taught as a tool for understanding the dialogs. In addition, drills on sounds and tones, vocabulary, and sentence patterns in meaningful contexts will be used in order for the students to communicate appropriately and accurately in authentic contexts. Language instruction emphasizes cooperative learning, games and performances. Students will explore the Chinese culture through films, projects and field trips.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5221: Chinese Language and Culture II

In this course, students will gain confidence in using Chinese for daily-life activities in a target language environment. Students will expand from their base in first year Chinese (or its equivalent) to continue to develop their four skills of understanding, speaking, reading and writing in Modern Chinese. New topics will be introduced in this course with increasing sophistication in terms of usage and style. Language instruction emphasizes practical interpersonal communicative activities and presentations. Discussions on authentic cultural contexts will be conducted through films and field trips.

Prerequisite(s): Chinese I

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5311: French I

Students develop proficiency in listening and speaking the French language. They learn proper pronunciation and engage in simple conversations. There is extensive emphasis on vocabulary acquisition. Grammatical structures are learned and gradually, with the use of authentic materials, students develop basic reading and writing skills. Focus is also on the culture and contributions of France.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5321: French II

The students continue to develop their proficiency in the four basic skills of listening, speaking, reading, and writing. They expand their vocabulary, improve their pronunciation, and learn more complex grammatical structures in order to communicate in a variety of real-life-situations. The students further develop their knowledge of French culture and civilization.

Prerequisite(s): French I

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5411: Italian Level I

Students begin to develop proficiency in listening and speaking the Italian language. They learn proper pronunciation and engage in simple conversations. There is extensive emphasis on vocabulary acquisition. Simple grammatical structures are learned and gradually, with the use of authentic materials, students develop basic reading and writing skills. They begin to explore Italy's culture and its contributions to our civilization.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5421: Italian Level II

The students continue to develop their proficiency in the four basic skills of listening, speaking, reading, and writing. They expand their vocabulary, improve their pronunciation, and learn more complex grammatical structures in order to communicate in a variety of real-life situations. The students further develop their knowledge of Italian culture and civilization.

Prerequisite(s): Italian I

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly

5511: Latin Level I

The students begin their study of the fundamental structures of classical Latin through extensive readings in the language. Emphasis is on the acquisition of a large active and passive vocabulary. Through intensive study of word derivation and word building, the students expand their English vocabulary and their understanding of the English language. They begin to explore the historical and cultural contributions of the Greco-Roman civilization to our Western civilization.

Prerequisite(s): None

Grade(s): 9, 10, 11, 12

Credit: 1

Meets: 5 periods weekly