

ROSLYN MIDDLE SCHOOL



Grades 7 & 8 Curriculum Guide 2020 – 2021

Promoting lifelong learning through social, emotional and
intellectual development.

Every Student Matters, Every Moment Counts

www.roslynschools.org

ROSLYN MIDDLE SCHOOL MISSION STATEMENT

Roslyn Middle School will create a positive environment that promotes lifelong learning through social, emotional and intellectual development. A culture of respect, understanding and integrity will be nurtured through the collaboration of educators, support staff, students, parents and our community.

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No person in the United States shall, on the ground of race, color or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance, or be so treated on the basis of sex under most educational programs, or activities receiving federal assistance. The Rehabilitation Act prohibits any discrimination based on a person's handicapping condition.

For questions or issues concerning Title IX, contact Michael Goldspiel, the District Title IX Coordinator at 801-5020. For questions or issues concerning The Rehabilitation Act, contact Barbara Schwartz, Director of Pupil Services at 801-5060.

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Minimum New York State Middle School Course and Assessment Requirements

All middle school students in New York State are required to receive instruction in the subject areas listed below. Roslyn Middle School meets or exceeds the minimum State Learning Standards in all units of study.

Units of Study Offered During Grades 6-8

| | |
|-----------------------|---------------------------------------|
| English Language Arts | 3 Units of Study |
| Mathematics | 3 Units of Study |
| Science | 3 Units of Study |
| Social Studies | 3 Units of Study |
| Health Education | $\frac{1}{2}$ Unit of Study |
| FACS | $\frac{3}{4}$ Unit of Study |
| World Languages | 1 Unit of Study |
| Music | $\frac{1}{2}$ Unit of Study |
| Physical Education | $\frac{1}{2}$ Unit of Study each Year |
| Technology Education | 1 Unit of Study |
| Visual Arts | $\frac{1}{2}$ Unit of Study |

Students who have been determined to need academic intervention services may have the units of study reduced, but not eliminated. Academic intervention services shall be coordinated with instruction in the general curriculum.

Required New York State Assessments

All students shall take the following assessments:

Grade 8

English Language Arts Assessment
Mathematics Assessments (Math 8 or Algebra 1 Common Core Regents)
Science Assessments (Science 8 or the Earth Science Regents)

Grade 7

English Language Arts Assessment
Mathematics Assessment

Grade 6

English Language Arts Assessment
Mathematics Assessment

New York State Graduation Requirements

GRADUATION REQUIREMENTS – Effective July 1, 2019

| Local Diploma Required Courses Special Education Students Only | |
|---|-----|
| English | 4 |
| Social Studies | 4 |
| Mathematics | 3 |
| Science (Must include Living Environment credit) | 3 |
| Foreign Language * | 1 |
| Art/Music | 1 |
| Health | 0.5 |
| Physical Education | 2 |
| Electives | 3.5 |
| ****Total | 22 |

| Regents Diploma Required Courses | |
|--|-----|
| English | 4 |
| Social Studies | 4 |
| Mathematics | 3 |
| Science (Must include Living Environment credit) | 3 |
| Foreign Language* | 1 |
| Art/Music | 1 |
| Health | 0.5 |
| Physical Education | 2 |
| Electives | 3.5 |
| ****Total | 22 |

| Regents Diploma with Advanced Designation | |
|--|-----|
| English | 4 |
| Social Studies | 4 |
| Mathematics | 3 |
| Science (Must include Living Environment credit) | 3 |
| Foreign Language** | 3 |
| Art/Music | 1 |
| Health | 0.5 |
| Physical Education | 2 |
| Electives | 1.5 |
| ****Total | 22 |

| Required Regents Exams Special Education Only (Passing Score 55-64)*** |
|--|
| English Language Arts Exam |
| One Mathematics Exam: Algebra or Geometry or Algebra 2 |
| Social Studies: Global History or U.S. History |
| One Science Exam: Earth Science or Living Environment or Chemistry or Physics |
| +One Pathway Assessment |

| Required Regents Exams (Passing Score of 65 and Above) |
|--|
| English Language Arts Exam |
| One Mathematics Exam: Algebra or Geometry or Algebra 2 |
| Social Studies: Global History or U.S. History |
| One Science Exam: Earth Science or Living Environment or Chemistry or Physics |
| +One Pathway Assessment |

| Required Regents Exams for Advanced Designation (Passing Score of 65 and Above) |
|--|
| English Language Arts Exam |
| Three Mathematics Exams: Algebra, Geometry and Algebra 2 |
| Two Social Studies Exams: Global History and U.S. History |
| Two Science Exams: 1) Living Environment 2) Earth Science or Chemistry or Physics |
| Foreign Language Regional Assessment FLACS Checkpoint B Exam |

- * Students with an IEP may be exempt from the Foreign Language requirement.
- ** An alternate pathway is available by pursuing a 5-credit sequence in Art, Business or Technology
- *** Special Education students have Regents Score compensatory options in order to earn a local Diploma. Please consult your school counselor for available options.
- **** Students must complete a minimum of 40 hours of Community Service.
- +For an approved list of Pathway Assessments, please visit <http://www.nysed.gov/curriculum-instruction/multiple-pathways>

Honors Distinction on High School Diploma

- Students can receive either a Regents Diploma with honors or Regents Diploma with Advanced Designation with honors if the overall average of all required Regents Exams is 90% or higher.
- In addition, students can receive Honors Distinction in Mathematics and/or Science by meeting the following criteria:
 - 3 Mathematics Regents examinations with 85% or above on each exam and/or
 - 3 Science Regents examinations with 85% or above on each exam

Grading System

All courses are graded with a numeric system from 0 to 100, unless otherwise noted in the course description. The minimum passing grade is 65.

Interim academic reports are posted on the parent portal each quarter after five weeks. Report cards are posted on the parent portal for parents and guardians every ten weeks.

Calculating Final Course Averages

Final averages for full year courses will be calculated as follows:

$$\frac{Q1 + Q2 + Q3 + Q4}{4}$$

Final averages for alternate-day courses will be calculated with the same format as full year courses.

Note: Full year courses with a midterm examination will calculate the midterm as 20% of the 2nd quarter average and final examinations or Regents examinations will calculate for 20% of the 4th quarter average.

Pass/Fail Courses

A limited number of elective and special education courses are graded on a High Pass (HP), Pass (P), Low Pass (LP), and Fail (F) basis. Courses that are graded on a Pass/Fail system are noted in this guide.

Grade 7 Curriculum Offerings

Required Courses

English 7

Offered: Full Year

Type of Course: Required

English 7 emphasizes continued development in the domains of reading, writing, speaking, and listening. The program of instruction stresses growth in the use of study skills, personal vocabulary, and the knowledge of grammar and spelling rules. A process approach to writing encourages students to brainstorm, draft, revise, and finalize their writing. The curriculum includes critical reading of novels, short stories, plays, poetry, myths, and biographies. Students study these genres in class and through outside reading assignments as well. A team approach to instruction permits students to experience interdisciplinary and authentic assessment projects. Teachers challenge their students to confront ethical and moral issues in literature, and to consider reasonable ways of resolving such dilemmas. All English 7 students will take the State Assessment in English Language Arts. Students who need additional support in English language arts will also be assigned to Literacy Lab 7.

Pre-Algebra

Offered: Full Year

Type of Course: Required

Students in Pre-Algebra will be exposed to an enriched pre-algebra and geometry curriculum which will help to prepare them for the Regents examination in Algebra 1 in grade 8. Topics in this accelerated course will include number systems, ratios and proportions, percent, systems of measurement, algebra, geometry and coordinate geometry, and probability and statistics. Students in Pre-Algebra will take the New York State Grade 7 Mathematics Assessment.

Students who receive a 98 or higher in this course will be considered for Algebra 1 Research Honors in grade 8.

Possible Middle School Sequences in Mathematics

Pre-Algebra → Math 8

or

Pre-Algebra → Algebra 1 Accelerated

or

Pre-Algebra → Algebra 1 Research Honors

Science 7

Offered: Full Year

Type of Course: Required

Physical science is the focus of the 7th grade science curriculum. The course emphasizes scientific theory and the Scientific Method. Students will have an opportunity to build cognitive and manipulative science skills through classroom instruction and laboratory experiences. Topics will include: the atom and atomic theory, molecules, simple equations, heat, work and machines, forces, and energy. Applications of energy, including alternative energy sources, will be investigated. Science 7 is part of the multi-year science sequence that prepares students for the Science 8 Assessment.

Science 7 → Science 8

or

Science 7 → Earth Science Honors

Social Studies 7

Offered: Full Year

Type of Course: Required

The 7th grade social studies course is an introduction to the history of the United States beginning with the age of exploration and the discovery of the New World. Students study the chronology by which the United States moves from its colonial infancy to the Civil War period. Where possible, the arts and literature are used to enrich the course of study. All of the important social studies skills are introduced including graph interpretation, essay writing, note-taking, map analysis, and the understanding of political cartoons. Multiculturalism and values education are interwoven into the curriculum.

World Languages Courses

It is our goal to ensure that each student is placed in his or her first choice for World Languages. All sequences are dependent on interest, enrollment, and staffing. Therefore, we require students to have a second option should their first not be available. *The continuation of a language sequence will be contingent upon enrollment and staffing.* We will make every effort to provide students access to the Checkpoint A at the conclusion of Grade 8, however as mentioned above, we will not guarantee that all language selections will be available at the High School level.

Intermediate French

Offered: Full Year

Type of Course: Required

Intermediate French helps students to develop a firm foundation in understanding and speaking French. Emphasis will be placed on the development of listening, speaking, reading and writing skills. Crossover derivations and contrasts will be used to help students master English language concepts. Students will study the contributions made by French speaking cultures to our country and to the world. (Students must pass Intermediate French to enter Advanced French in 8th grade.)

*French sequence is subject to district enrollment policies.

Intermediate Mandarin Chinese

Offered: Full Year

Type of Course: Required

In this course, students will continue to gain confidence in using Mandarin Chinese for daily-life activities. Students will expand on the foundations from Introduction to Mandarin Chinese by continuing to develop the skills of listening, speaking, reading and writing in Modern Chinese. New topics will be introduced in this course with increasing sophistication in terms of usage and style. (Students must pass Intermediate Mandarin to enter Advanced Mandarin Chinese in 8th grade.)

*Mandarin Chinese sequence is subject to district enrollment policies.

Intermediate Spanish

Offered: Full Year

Type of Course: Required

Intermediate Spanish helps students to develop a firm foundation in understanding and speaking Spanish. Emphasis will be placed on the development of listening, speaking, reading and writing skills. Crossover derivations and contrasts will be used to help students master English language concepts. Students will study the contributions made by Spanish speaking cultures to our country and to the world. (Students must pass Intermediate Spanish to enter Advanced Spanish in the 8th grade.)

Exploratory Courses

Engineering Technology 7

Offered: Alternate Day

Type of Course: Required

Engineering Technology 7 provides students with technological knowledge and skills to design, construct, use, and evaluate products and systems. An inquiry based learning format will be used to help students investigate and develop products that solve authentic technological problems. Class activities will focus on drawing and design, rocketry, bridge construction, and magnetic levitation.

A new unit of study is Design and Modeling, a Foundation Unit in the ***Gateway to Technology*** program offered through ***Project Lead the Way*** (PLTW). In this unit, students begin to recognize the value of an engineering notebook to document and capture their ideas. They are introduced to and use the design process to solve problems and understand the influence that creative and innovative design has on our lives. Students use industry standard 3D modeling software to create a virtual image of their designs and produce a portfolio to showcase their creative solutions.

This course supports the PLTW Engineering Program at the High School.

FACS 7 (Family and Consumer Sciences)

Offered: Alternate Day

Type of Course: Required

This twenty-week course has been created to reflect the New York State Home and Careers Learning Standards. Students in this course will be given an opportunity to learn more about themselves and their relationships, the principles of nutrition, preparing healthy foods, safety procedures for food preparation, sewing techniques, and exploring and researching careers.

Health Education 7

Offered: Alternate Day

Type of Course: Required

Health 7, a required course in New York State, is offered alternate day in grade seven. The course is designed to help students become aware of the lifestyle factors that influence their health status. The course begins with a strong foundation in decision-making skills, which is then applied to such topics as peer relationships, family life, physical fitness, avoiding tobacco, alcohol and other drugs, and fostering a healthy lifestyle. Students will learn to develop positive health attitudes through discussion, research, and group activities.

Physical Education 7

Offered: Alternate Day

Type of Course: Required

The Middle School Physical Education program is designed to provide all students with opportunities for healthy mental, physical, and social growth and development through a variety of physical activities. The physical education curriculum also emphasizes the development of health related physical wellness. A variety of individual and team sports, games, and activities are offered.

Electives

Art 7

Offered: Alternate Day

Type of Course: Elective

Art 7 is an alternate day elective course that builds on the elements learned in Art 6. It is designed to give students a more extensive art experience. The curriculum delves into a wide variety of concepts and movements, while continuing the exploration of artistic techniques and materials.

Coding 1

Offered: Alternate Day

Type of Course: Elective

Coding 1 is designed to introduce students to the world of programming using block-based code only. The course will help students develop a basic understanding of computers while learning a key skill: problem solving. This course will teach the Scratch program in depth to code different songs and melodies, create drawings using block-based programming and mathematics, create animations, and design and code computer games.

Facing our Future 7

Offered: Alternate Day

Type of Course: Elective

In this course, current events will be explored through Debate, Ethics Bowl, and Socratic Seminar. This course is designed to engage students in dialogue with each other around select current events that are rich in ideas and values. The debate, ethics bowl and seminar structure is designed to nurture disciplined thinking and help students gain a deeper understanding of these issues. Topics might include: Professional Athletes and the National Anthem; Pardoning Edward Snowden; Safe Spaces in College; Native Americans and Sports Team Logos; Steroids and Athletics, Designer Babies, etc.

Music Electives

Band 7

Offered: Alternate Day

Type of Course: Elective

Band 7 further develops skills learned in sixth grade such as sight reading, rhythms, and music theory. Students will work with more advanced scales throughout the year. Youngsters in this program also attend a pull-out group lesson class on a rotating schedule. Students are required to attend two evening performances each year.

Chorus 7

Offered: Alternate Day

Type of Course: Elective

This course is a continuation of the Chorus 6 program with an emphasis on proper breathing, resonance, diction, note reading, and performance techniques. The music chosen is more technical and challenging in nature with full four-part chorus – soprano, alto, tenor, and bass. The seventh and eighth grade chorus ensemble perform together at the Winter and Spring concerts where performance is a course requirement.

Lunch Chorus 7

Offered: Alternate Day – During Lunch Period.

Type of Course: Elective

Co-requisite: Enrollment in an instrumental ensemble.

This course is offered to band and orchestra students who would also like to participate in the RMS chorus. (See Chorus 7 for a full course description.)

Orchestra 7

Offered: Alternate Day

Type of Course: Elective

Orchestra 7 is a course designed to enhance sight reading skills, music theory, different key signatures, and various positioning skills. Students will be required to perform in two annual evening concerts and small group lessons.

Academic Support Courses

Literacy Lab 7

Offered: Alternate Day

Type of Course: Required by New York State Assessment scores.

Grading: Pass/Fail

The literacy lab program uses a wide variety of methods and materials to motivate students to write, read, develop vocabulary, and think critically. Activities will focus on the Common Core Standards of English Language Arts and will encourage the development of knowledge and the use of past experiences to derive meaning from print and other sources of information.

Pre-Algebra Lab

Offered: Alternate Day

Type of Course: Required by New York State Assessment scores or by teacher recommendation.

Grading: Pass/Fail

A student is scheduled for a mathematics lab class if his or her New York State assessment score reveals a deficiency in mathematics skills or his or her current course progress is insufficient. Special attention will be given to the tasks associated with the mathematics assessment. Pre-Algebra Lab is taken in addition to a student's regular mathematics class and meets on alternate days.

Grade 7 Worksheet

Required Courses

| | |
|--------------------------|---------------|
| 1. English 7 | Full Year |
| 2. Pre-Algebra 7 | Full Year |
| 3. Social Studies 7 | Full Year |
| 4. Science 7 | Full Year |
| 5. FACS 7 | Alternate Day |
| Engineering Technology 7 | Alternate Day |
| 6. Health Education 7 | Alternate Day |
| Physical Education 7 | Alternate Day |
| 7. Elective | Alternate Day |
| Elective | Alternate Day |

Students must select TWO of the following:

| | |
|---------------------|---------------|
| Art 7 | Alternate Day |
| Coding 1 | Alternate Day |
| Facing our Future 7 | Alternate Day |
| | |
| Band 7 | Alternate Day |
| Chorus 7 | Alternate Day |
| Orchestra 7 | Alternate Day |

| | |
|-------------------------------|-----------|
| 8. World Languages | Full Year |
| Intermediate French | |
| Intermediate Mandarin Chinese | |
| Intermediate Spanish | |

9. Lunch

*Recommendation Only

Alternate Assignments

| | |
|--------------------------|--|
| Music | |
| Lunch Chorus 7 | Alternate Day (during lunch) |
| Academic Support Classes | |
| *Literacy Lab 7 | Alternate Day (replaces an elective choice) |
| *Pre-Algebra Lab | Alternate Day (replaces an elective choice) |
| Special Education | |
| *Academic Strategies 7 | Daily |
| *Co-teaching Workshop 7 | Daily (replaces two elective choices) |

*Recommendation Only

Sample Grade 7 Schedule

| | |
|-----------|--------------------------|
| Period 1 | English 7 |
| Period 2 | Pre-Algebra |
| Period 3 | Science 7 |
| Period 4 | Intermediate Spanish |
| Period 5A | Coding 1 |
| 5B | Physical Education 7 |
| Period 6A | Health Education 7 |
| 6B | Art 7 |
| Period 7 | Lunch |
| Period 8 | Social Studies 7 |
| Period 9A | Engineering Technology 7 |
| 9B | FACS 7 |



Grade 8 Curriculum Offerings

Required Courses

English 8

Offered: Full Year

Type of Course: Required

English 8 broadens the skills students acquired in previous years of English instruction. Throughout the program of instruction, teachers integrate and emphasize reading, writing, speaking, and listening skills. Writing assignments become more complex in the eighth-grade program, but a process approach to writing is retained. Students continue to confront ethical and moral issues in literature, while requirements for substantial in-class and supplementary reading are sustained. Interdisciplinary and authentic assessment projects develop critical thinking skills. All eighth-grade students will take the New York State English Language Arts Assessment. Students who need additional support in English language arts will also be assigned to Literacy Lab 8.

Math 8

Offered: Full Year

Type of Course: Required High School Course

Prerequisite: Pre-Algebra

Although Algebra for all is offered in grade 8 to all students, this course is an option for students who choose to select out of Algebra 1 in grade 8. Students in Math 8 will be exposed to an enriched NYS Grade 8 Curriculum, which will help prepare them for the Regents examination in Algebra 1 in grade 9. The year will focus on formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations. Students will have support in understanding the concept of a function and using functions to describe quantitative relationships, analyzing space and figures using distance, angle, similarity, and congruence, also applying the Pythagorean Theorem. Students in Math 8 will take the New York State Grade 8 Mathematics Assessment.

Algebra 1 Accelerated

Offered: Full Year

Type of Course: Required

Prerequisite: Pre-Algebra

Students will study the New York State Algebra 1 Common Core curriculum and take Algebra 1 Common Core Regents examination in June. The units that will be addressed are Numbers and Quantity, Algebra, Functions, Statistics, and Mathematical problem solving. Students must pass the course and the Regents examination in order to earn one high school Regents credit. The Regents test grade and the final course grade will become part of the student's high school transcript. Students in Algebra 1 will potentially take the New York State Grade 8 Assessment in Mathematics.

Algebra 1 Research Honors

Offered: Full Year

Type of Course: Required High School Course

Prerequisite: Committee recommendation, 98 or higher in Pre-Algebra, and a 95 or higher in Math 6 .

Students recommended for this rigorous research honors option will be selected by a committee of mathematics faculty members based on standardized test scores, the PARA Exam, 6th and 7th report card grades, 7th Grade Midterm, and performance on selected math contests such as the Math Olympiad and the American Mathematics Competition. (Updated on 4/9/2013)

Students in this research level course will study an enhanced version of the New York State Regents Algebra 1 Common Core curriculum and take the Regents in June. Students must pass the course and the Algebra 1 Common Core Regents examination in order to earn one high school credit. The Regents grade and final course average will become part of the student's high school transcript.

In addition to the high academic standards to which students in this honors research course will be held, they will also be required to write mathematics research papers on topics approved by their teachers. Exemplary papers will be entered into the Long Island Math Fair, held at Hofstra University.

Students enrolled in Algebra 1 Research Honors will potentially have to take the New York State Grade 8 Assessment in Mathematics.

Science 8

Offered: Full Year

Type of Course: Required

Science 8 reviews, reinforces, and extends the science skills developed in grades 5, 6, & 7. The primary emphasis will be on earth science topics. Topics will include: physical geology, climate, and astronomy. Science 8 is taught in a fully equipped laboratory facility. All Science 8 students must take the New York State Intermediate Level Science Assessment in June.

Earth Science Honors

Offered: Full Year

Meets in double and single periods on alternate days.

Type of Course: Required High School Course

Prerequisite: Students will be recommended based upon a selection rubric and teacher recommendation.

Earth Science Honors is an accelerated course offered to those students who demonstrate *outstanding ability and achievement in Science 7*. Students enrolled in this course must be prepared for enriched studies in celestial motion, plate tectonics, insolation, the rock cycle, the water cycle, meteorology, and the interpretation of geologic history. Student success will depend upon a high degree of ability, motivation, and effort. Students will be required to complete several projects during the school year.

The course culminates with the Earth Science Regents Examination in June and students must pass the course and the Regents examination in order to earn one high school credit. The Regents grade and final course grade will become part of the student's high school transcript and will be calculated in the student's high school grade point average.

Social Studies 8

Offered: Full Year

Type of Course: Required

The 8th grade social studies course explores the major events that shaped America in the 19th and 20th centuries. Students will study the U.S. as an industrial power at the end of the Civil War and as a major force in the world's balance of power at the beginning of the 20th century. Two world wars and the Holocaust will also be analyzed as underpinnings of the role of the U.S. in the second half of the 20th century. Current events will be an ongoing component of the curriculum. One of the major goals of this course is to have students understand world culture.

World Languages Courses

It is our goal to ensure that each student is placed in his or her first choice for World Languages. All sequences are dependent on interest, enrollment, and staffing. Therefore, we require students to have a second option should their first not be available. *The continuation of a language sequence will be contingent upon enrollment and staffing.* We will make every effort to provide students access to the Checkpoint A at the conclusion of Grade 8, however as mentioned above, we will not guarantee that all language selections will be available at the High School level.

Advanced French

Offered: Full Year

Type of Course: Required

Prerequisite: Successful completion of Intermediate French
(final average of 65 or higher).

Advanced French continues the development of listening, speaking, reading, and writing skills, while emphasizing more complex grammatical structural patterns. Students will become more confident in day-to-day language communication. Language and culture concepts will also be enriched.

Students will take a final examination in June that will include the following four components: speaking, listening, reading, and writing. Students who pass the final examination **and** the course **will receive one unit of high school credit in French**. Students who **do not pass** the final examination in grade eight will need to take one year of World Languages in high school in order to satisfy the minimum World Languages requirement for a Regents Diploma.

The final average for this course will become part of the student's high school transcript and is added into his/her high school GPA (grade point average).

Please note that the language offerings at the High School will be dependent upon enrollment. Some languages may not be offered every year.

Advanced Spanish

Offered: Full Year

Type of Course: Required

Prerequisite: Successful completion of Intermediate Spanish
(final average of 65 or higher).

Advanced Spanish continues the development of listening, speaking, reading, and writing skills, while emphasizing more complex grammatical structural patterns. Students will become more self-confident in day-to-day language communication. Language and culture concepts will also be enriched.

Students will take a final examination in June that will include the following four components: speaking, listening, reading, and writing. Students who pass the final examination **and** the course **will receive one unit of high school credit in Spanish**. Students who **do not pass** the final examination in grade eight will need to take one year of World Languages in high school in order to satisfy the minimum World Languages requirement for a Regents Diploma.

This final average for the course will become part of the student's high school transcript and is added into his/her high school GPA (grade point average).

Please note that the language offerings at the High School will be dependent upon enrollment. Some languages may not be offered every year.

Exploratory Courses



Coding 1

Offered: Alternate Day

Type of Course: Elective

Coding 1 is designed to introduce students to the world of programming using block-based code only. The course will help students develop a basic understanding of computers while learning a key skill: problem solving. This course will teach the Scratch program in depth to code different songs and melodies, create drawings using block-based programming and mathematics, create animations, and design and code computer games.

Coding 2

Offered: Alternate Day

Prerequisite: Coding 7 or Coding 1

Type of Course: Elective

Coding 2 is designed with the pre-requisite that students have been exposed to the curriculum in the Coding 1 course (which explores the world of coding on Scratch). This course will teach students the fundamentals of various technical syntax-based computer languages. Students will learn the first principles of HTML and CSS, Python, and JavaScript, as they transition from Scratch's block-based programming language.

Engineering Technology 8

Offered: Alternate Day

Type of Course: Elective

This course builds upon the fundamental ideas of technology and engineering. Students will plan solutions to real-world technological problems both in groups and individually. The curriculum includes design and drawing skills, developing construction plans, the safe use of hand tools and machines, and product development and testing. Students will be responsible for project management in areas such as wind energy, magnetic levitation, and construction technologies.

A new unit of study is Automation and Robotics, a Foundation Unit in the ***Gateway to Technology*** program offered through ***Project Lead the Way*** (PLTW). Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms. This course supports the PLTW Engineering Program at the High School.

Physical Education 8

Offered: Alternate Day

Type of Course: Required

The Middle School Physical Education program is designed to provide all students with opportunities for healthy mental, physical, and social growth and development through a variety of physical activities. The physical education curriculum also emphasizes the development of health-related physical wellness. A variety of individual and team sports, games, and activities are offered.

Electives

BizLIFE 8 (Leadership, Innovation, Finance, Entrepreneurship)

Offered: Alternate Day

Type of Course: Elective

This course will develop and engage learners in the requisite 21st century skills needed to continue on to future business courses at the High School. The high-interest, relevant, curriculum will lead students along a path to explore and understand introductory finance, financial literacy, economics, and leadership responsibilities (e.g. understanding the necessity of collaboration, the importance of delegation, etc.). Students will be exposed to a variety of business-related fields and topics through guest speakers and field trips.

Film Production 8

Offered: Alternate Day

Type of Course: Elective

The Film Production elective will be offered in alternating years serving as a perfect complement to the Film Studies elective. The Film Production elective will give students a chance to put their knowledge of film and images to practical use as they create their own short films in several different genres. Moreover, the class will be the perfect lead-in to the Video Production elective offered at the High School. Our students are a generation of born filmmakers, and this course will be designed to give that impulse a sense of structure, design and technique. Film Production will culminate with a student short film festival, which will highlight students' best work and to which the community will be invited.

Introduction to Signing 8

Offered: Alternate Day

Type of Course: Elective

This course introduces the basics of American Sign Language (ASL) and is designed for students who have little or no previous knowledge of ASL. Basic communication techniques will be taught. ASL questions, commands, and other simple sentence structures are introduced to develop basic conversational skills in ASL. Information about the Deaf Community and Deaf Culture will be introduced.

Medical Detectives 8

Offered: Alternate Day

Type of Course: Elective

Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

Sport Health 8

Offered: Alternate Day

Type of Course: Elective

This course will allow students to learn about sports safety and athlete development. Topics to include nutrition, dangers of alcohol/tobacco/performance enhancing drugs, athletes as role models, sport psychology, injury prevention and care, principles of first aid, and current events.

Studio Art

Offered: Full Year *(Meets the High School Diploma Requirement for 1 credit in Art or Music.)*

Prerequisite: Portfolio submission

Type of Course: Elective

Studio Art is an introductory high school course, which meets the New York State Diploma requirements for one credit of visual arts, music, dance, or theater. It is also a prerequisite course for students who wish to study advanced art courses in grades 9, 10, 11, & 12. Emphasis is placed on the elements and principles of design and art history. Students will have an opportunity to work with a variety of media. The final average will become part of the student's high school record and will be calculated in the high school grade point average. Students who successfully complete this course will receive one high school credit.

Music Electives

Band 8

Offered: Alternate Day

Type of Course: Elective

Music skills that students acquired in Band 7 will be further developed in Band 8. Students will study complex rhythms, more advanced musical scales, and music theory. Youngsters will attend a pull-out lesson class on a rotating basis. Band 8 students are required to participate in two evening concerts each year.

Chorus 8

Offered: Alternate Day

Type of Course: Elective

This course is a continuation of the Chorus 7 program with increased emphasis on advanced note reading and harmonizing skills. The seventh and eighth grade chorus ensembles perform together at both the Winter and Spring evening concerts where performance is a course requirement.

Orchestra 8

Offered: Alternate Day

Type of Course: Elective

Orchestra 8 students will continue to build on past skills in preparation for entering the High School orchestral program. Students will be required to perform seven major skills, show competence in shifting into upper positions, and have knowledge of basic music theory. Performance at two annual evening concerts and small group pull-out lessons are required.

Academic Support Courses

Literacy Lab 8

Offered: Alternate Day

Type of Course: Required by New York State Assessment scores or by teacher recommendation.

The literacy lab program uses a wide variety of methods and materials to motivate students to write, read, develop vocabulary, and think critically. Activities focus on the Common Core Standards of English Language Arts and encourage the development of knowledge and the use of past experiences to derive meaning from print and other sources of information.

Algebra 1 Lab

Offered: Alternate Day

Type of Course: Required by New York State Assessment scores or by teacher recommendation.

A student is scheduled for a mathematics lab class if his or her N.Y.S. assessment score reveals a deficiency in mathematics skills or his or her current course progress is insufficient. Special attention will be given to the tasks associated with the mathematics assessment. Algebra 1 Lab is taken in addition to a student's regular mathematics class and meets on alternate days.

Grade 8 Worksheet

Required Courses

- | | | |
|----|--|---------------|
| 1. | English 8 | Full Year |
| 2. | Algebra 1 Accelerated | Full Year |
| | or | |
| | *Algebra 1 Research Honors | Full Year |
| | (Recommendations will be made in March 2020) | |
| | or | |
| | *Math 8 | Full Year |
| | (Recommendations will be made in March 2020) | |
| 3. | Science 8 | Full Year |
| | or | |
| | Earth Science Honors | Full Year |
| 4. | Social Studies 8 | Full Year |
| 5. | Physical Education 8 | Alternate Day |
| | Technology Electives | Alternate Day |
| | Coding 1 | |
| | Coding 2 | |
| | Engineering Technology 8 | |
| 6. | Electives (see column to the right) | |
| 7. | World Languages | Full Year |
| | Advanced French | |
| | Advanced Spanish | |
| 8. | Electives (see column to the right) | |
| 9. | Lunch | |

*Recommendation Only

Electives

Students must select four alternate day electives **OR** one daily and two alternate day.

- | | |
|-----------------------------------|---------------|
| Biz LIFE 8 | Alternate Day |
| Coding 1 | Alternate Day |
| Coding 2 | Alternate Day |
| Earth Science Honors Lab | Alternate Day |
| Required for Earth Science Honors | |
| Engineering Technology 8 | Alternate Day |
| Film Production 8 | Alternate Day |
| Medical Detectives 8 | Alternate Day |
| Introduction to Signing 8 | Alternate Day |
| Sport Health 8 | Alternate Day |
| Studio Art | Daily |
| | |
| Band 8 | Alternate Day |
| Chorus 8 | Alternate Day |
| Orchestra 8 | Alternate Day |

Academic Support Classes

- | | |
|-------------------------------|---------------|
| *Algebra 1 Lab | Alternate Day |
| (replaces an elective choice) | |
| *Literacy Lab 8 | Alternate Day |
| (replaces an elective choice) | |

Special Education

- | | |
|---------------------------------|-------|
| *Academic Strategies 8 | Daily |
| *Co-teaching Workshop 8 | Daily |
| (replaces two elective choices) | |

*Recommendation Only

Sample Grade 8 Schedules

| | | | | |
|-----------|--------------------------|--|-----------|---------------------------|
| Period 1 | Algebra 1 Accelerated | | Period 1 | Algebra 1 Research Honors |
| Period 2 | Science 8 | | Period 2 | Earth Science Honors |
| Period 3 | Social Studies 8 | | Period 3A | Earth Science Honors Lab |
| Period 4A | Engineering Technology 8 | | 3B | Physical Education 8 |
| 4B | Biz LIFE 8 | | Period 4 | English 8 |
| Period 5 | English 8 | | Period 5 | Advanced Spanish |
| Period 6A | Physical Education 8 | | Period 6 | Social Studies 8 |
| 6B | Chorus 8 | | Period 7 | Lunch |
| Period 7 | Lunch | | Period 8A | Coding 1 |
| Period 8 | Advanced Spanish | | 8B | Medical Detectives 8 |
| Period 9A | Film Production 8 | | Period 9A | Orchestra 8 |
| 9B | Coding 2 | | 9B | Introduction to Signing 8 |

Period 1 Algebra 1 Accelerated

Period 2 Advanced French

Period 3A Orchestra 8
3B Physical Education 8

Period 4 English 8

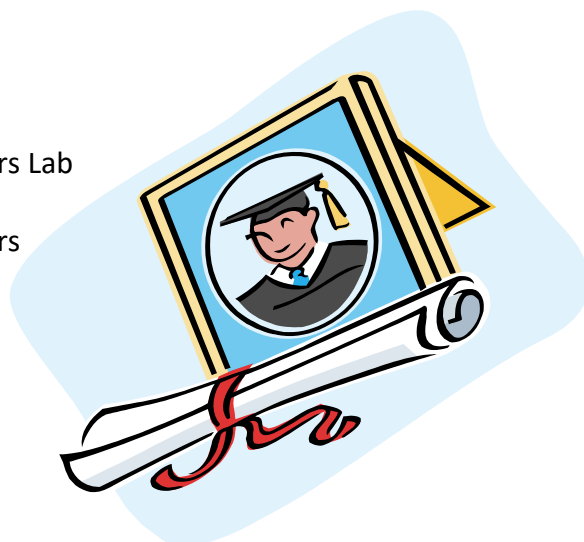
Period 5 Studio Art

Period 6 Social Studies 8

Period 7 Lunch

Period 8A Coding 2
8B Earth Science Honors Lab

Period 9 Earth Science Honors



High School Sequence Charts

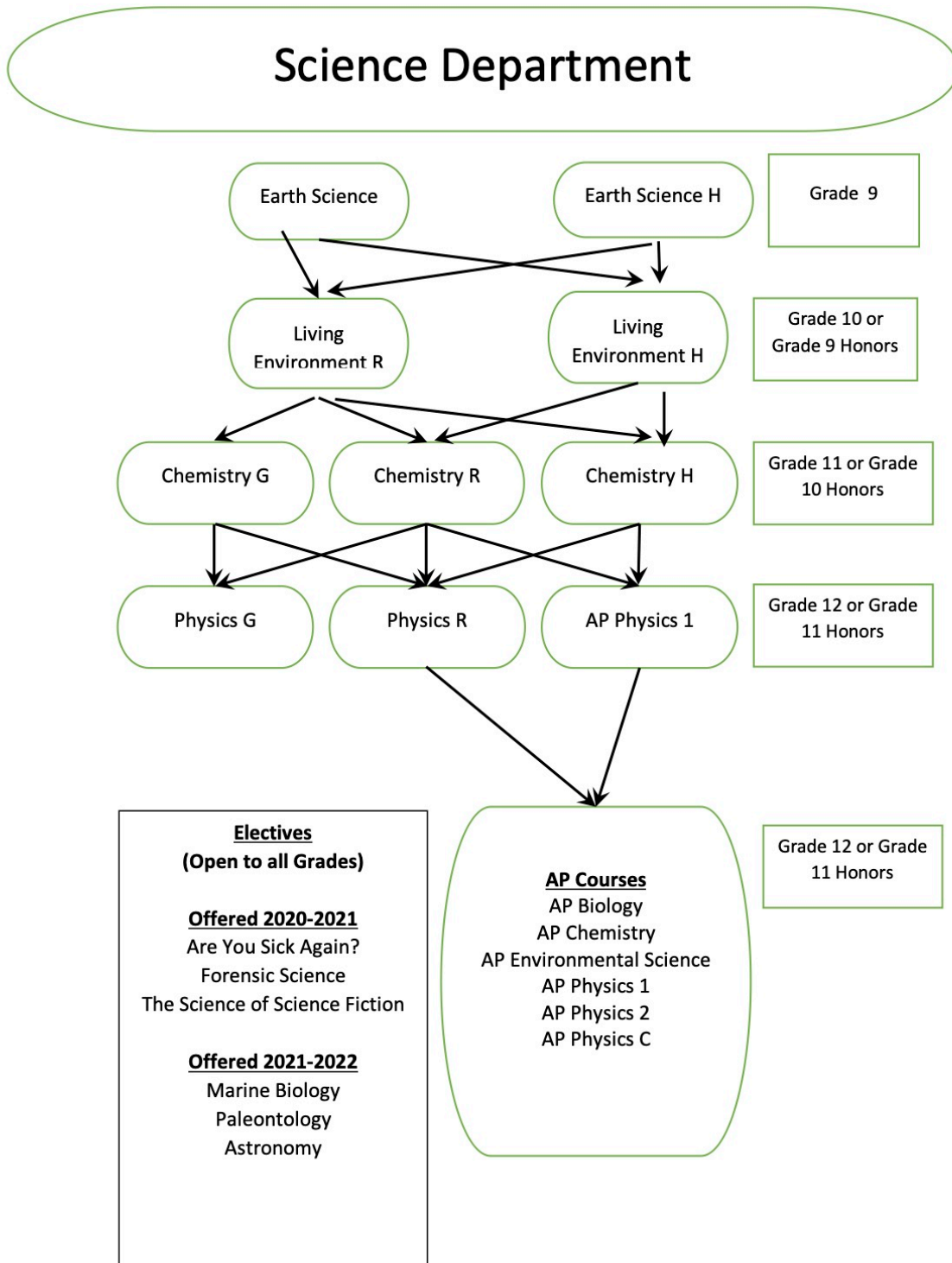
Mathematics Sequences

| | | |
|------------------------|--------------------------------|----------------|
| <u>RESEARCH HONORS</u> | <u>HONORS/ ACCELERATED</u> | <u>REGENTS</u> |
|------------------------|--------------------------------|----------------|

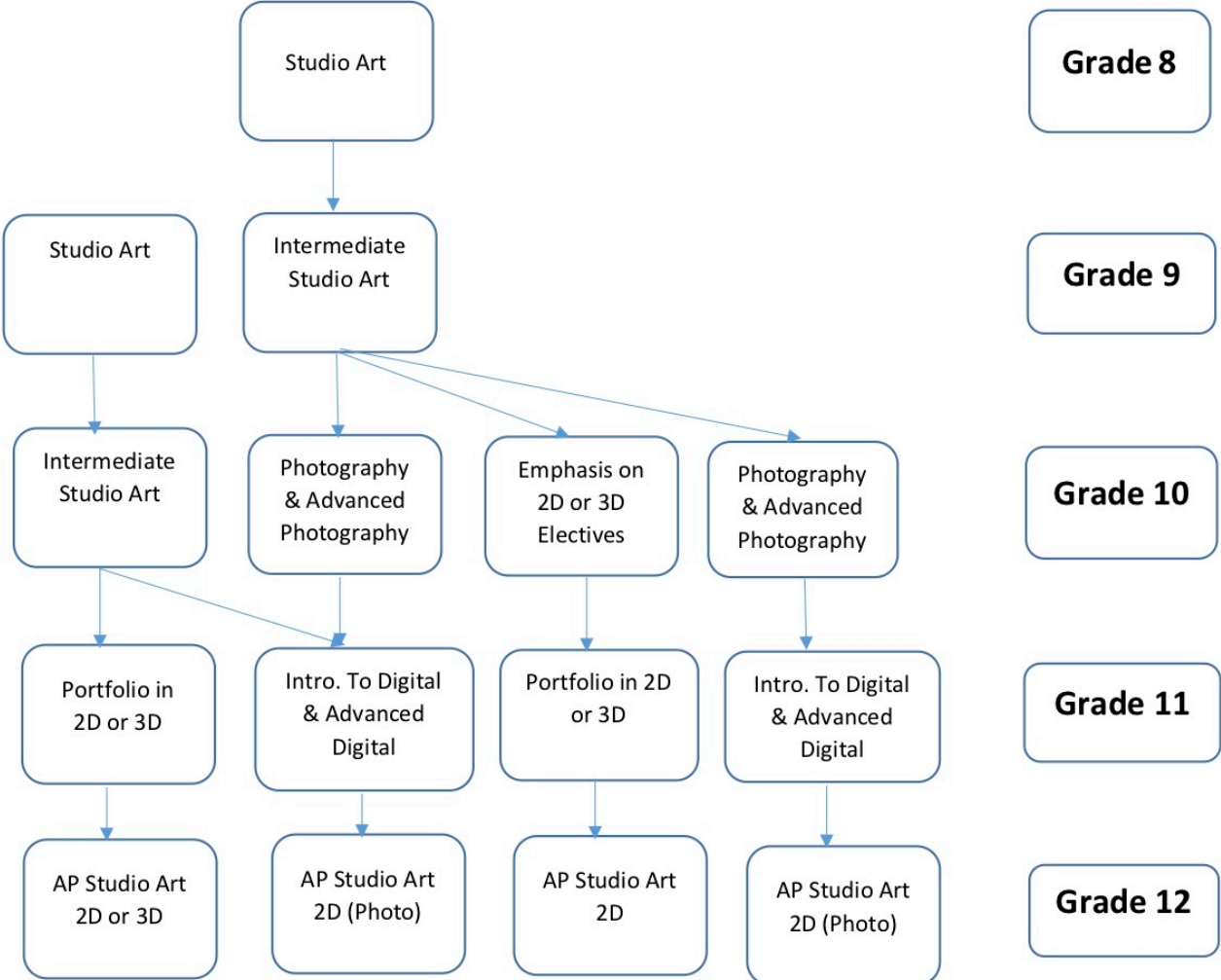
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|------------------------|--|---------------------|----------------|---------------|--------------|----------------|----------------|---------|
| 7th | Algebra 1 RSH | Pre-Algebra 7 | | Pre-Algebra 7 | | | | |
| 8th | Geometry RSH | Algebra 1 RSH | Algebra 1 H | Algebra 1 H | Math 8 | | | |
| 9th | Algebra 2 RSH | Geometry RSH | Geometry H | Geometry | Algebra 1 | | | |
| 10th | Pre –Calculus RSH | Algebra 2 RSH | Algebra 2 H | Algebra 2 | Geometry | | | |
| 11th | AP Calculus BC | Pre-Calculus RSH | Pre-Calculus H | Pre-Calculus | Algebra 2 | Algebra 2 CC 1 | | |
| 12th | Multi Variable Calculus / Differential Equations | AP Calculus BC | AP Calculus AB | Calculus | Pre-Calculus | College Math | Algebra 2 CC 2 | Math 12 |

- Electives: Linear Algebra, AP Statistics, AP Calculus BC, AP Calculus AB, Calculus, Computer Programming in Java, AP Computer Science, AP Computer Science Principles, App Inventor, Math of Finance, and SAT / ACT Prep
- Math labs are available to students enrolled in Algebra 1 CC, Geometry CC, or Algebra 2 CC.
- A two-year sequence in Algebra 1 is also available.

Science Sequences



Art Sequences

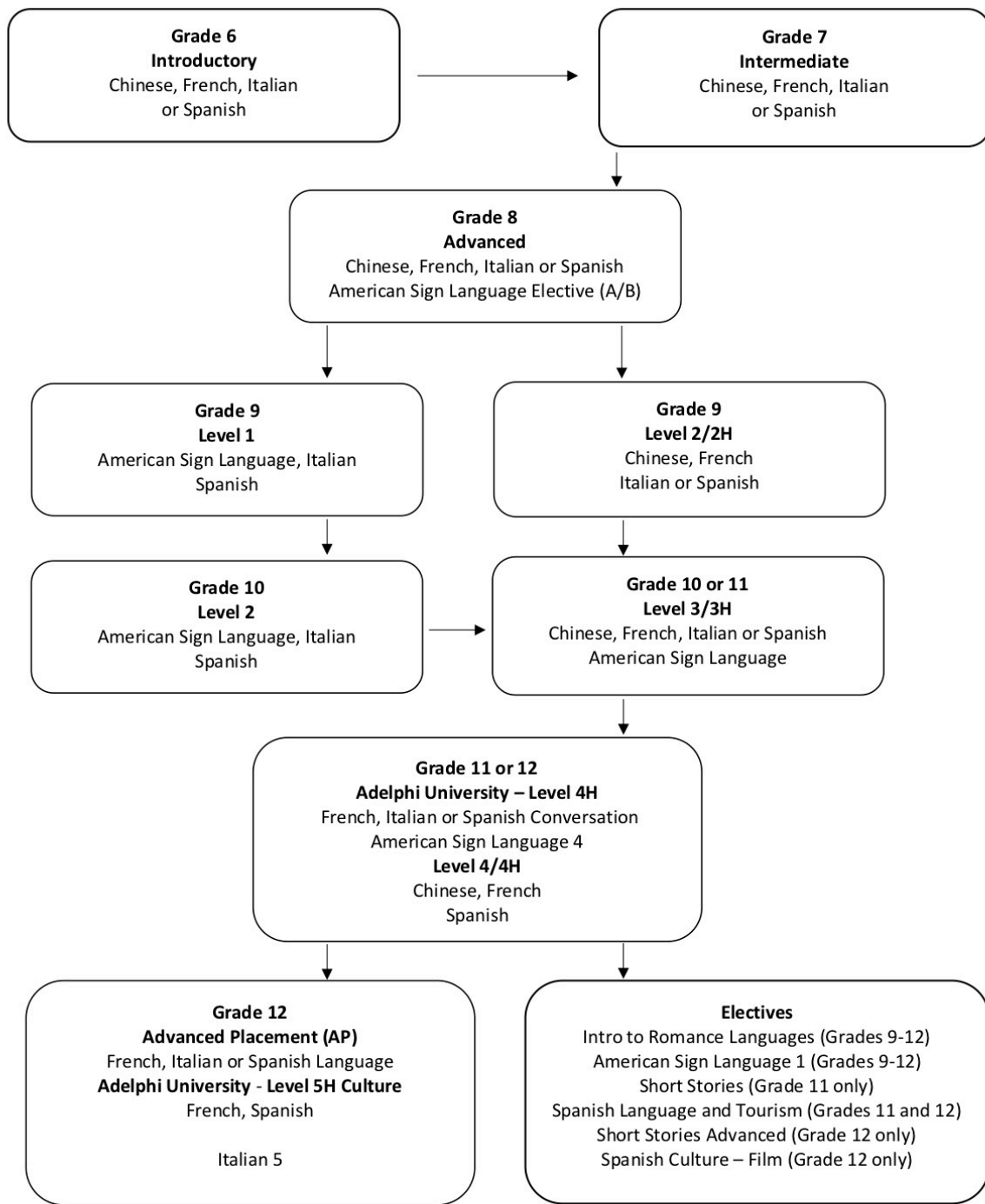


Electives

| | |
|--------------------------------------|--|
| Basic Photography* | Advanced Photography |
| Introduction to Digital Photography* | Advanced Digital Photography |
| Sculpture and Ceramics* | Advanced Fashion Design & Illustration |
| Fashion Design & Illustration* | Advanced Computer Graphics |
| Computer Graphics* | |
| Mixed Media* | |

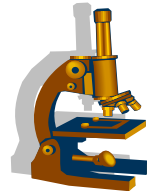
**Available to Freshmen*

World Languages Sequences



The continuation of a language sequence will be contingent upon interest, enrollment and staffing. We will make every effort to provide students access to the Checkpoint A at the conclusion of Grade 8, however as mentioned above, we will not guarantee that all language selections will be available at the High School level.

Special Programs



English Language Learners

English as New Language (ENL) is offered to students whose native language is not English. The program focuses on the development of reading, writing, listening, and speaking skills. The goal of this program is to help students become proficient in the English language while familiarizing them with American culture.

Placement is done through a screening process that includes a formal and an informal assessment of the student's proficiency in English. Students will move into the regular education program when they have obtained proficiency in the English language.

Sample Course Offerings:

- ENL Integrated English
- ENL Language Arts
- ENL Integrated Social Studies
- ENL Support

Students who receive ENL services take an annual language achievement test, part of the New York State Testing Program.

Library Services

In today's world of constantly evolving media and information technology, the ability to effectively and efficiently access, evaluate and utilize data and information is the key to success. The newly renovated and redesigned Roslyn Middle School Library provides a dynamic learning space, incorporating traditional as well as cutting-edge resources to help students and faculty delve into the various department curricula while piquing the myriad interests of our middle school learners. Our bright and inviting space makes materials available for all grades and ability levels, and is the perfect setting after-school and during lunch to do homework, research, or explore the stacks.

Special Education Programs

Our related services and special education programs are designed to provide students who are classified under the Committee on Special Education with the level of support they each require to develop appropriate study skills and strategies necessary to become successful, independent learners. Program goals include supporting students with their academic curriculum, developing self-advocacy skills as well as adult daily living skills.

All decisions are made during CSE meetings or as an amendment to an IEP.

Resource Room (Academic Strategies)

Grading: Pass/Fail

Our academic strategies class is designed to support students who are enrolled in regular content area courses, but require the support of a Resource Room daily. This class is taught by a special education teacher and has a maximum ratio of five students to one teacher.

Objectives:

- to teach study skills and strategies.
- to help improve organizational and time management skills.
- to teach self-advocacy skills.

Integrated Co-Teaching (ICT)

Our integrated co-teaching program is designed for students who require additional support within their regular academic classes as well as outside of the classroom. Co-teaching classes are taught by both a content area specialist and a special education teacher. The curriculum, reading materials, and assignments in an ICT class are the same as any other section of the course. Class size is also the same. Both teachers are available to support all students during class. A student enrolled in this model is also scheduled to attend a daily workshop class to work on study and organizational skills and pre-teach and re-teach material with one of their special education teachers.

Special Class (15:1)

Students are recommended for self-contained academic classes at their CSE meetings. Curriculum, instruction, and assignments are modified/differentiated to address each student's learning needs. Students who attend these classes are on an academic track. The classes have a maximum of fifteen students and are structured to provide key concepts and ideas.

Skills for Life and Raise Programs

Our Skills for Life and Raise programs are self-contained, language based, academic programs developed for students who require the essential elements of a modified curriculum. The programs help students achieve mastery of functional academic, social, and life skills. Students are mainstreamed for all elective classes when appropriate.

Extra-Curricular Program



Our varied after-school program for 6th, 7th and 8th grade students consists of intramural and interscholastic teams and clubs. All activities are supervised by staff members.

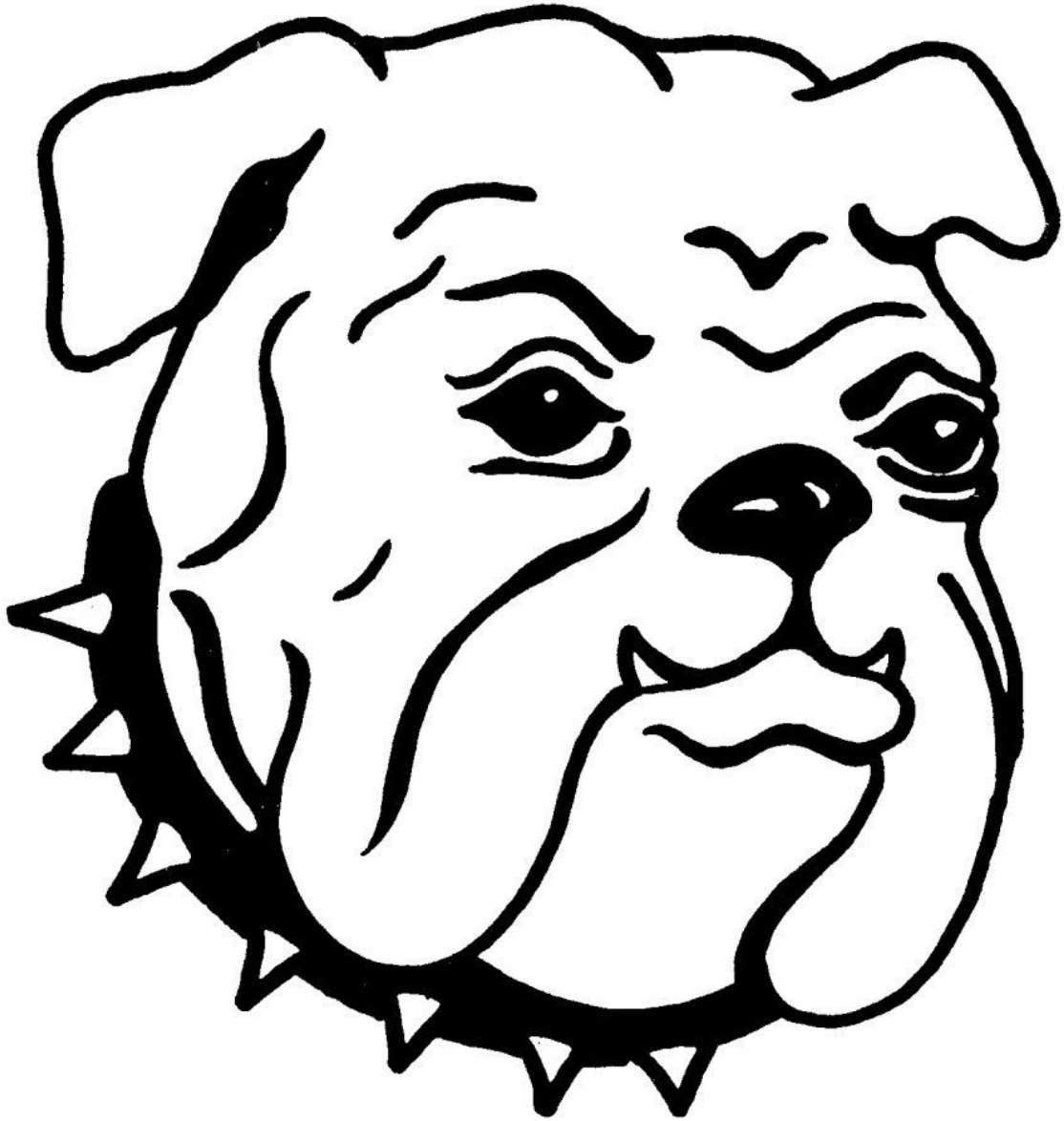
Participation in extracurricular activities is an integral part of a student's educational experience. However, involvement in our varied extracurricular activities should not negate academic responsibilities. All students must adhere to the District's Academic Eligibility Policy. The policy states that students may not fail more than one subject. Administrators, teachers, guidance counselors, coaches and advisors monitor all students' academic progress.

Interscholastic Athletics

The athletic program provides the opportunity for interested 7th and 8th grade students to compete with other middle schools in Nassau County. New York State guidelines do not permit 6th graders to participate in interscholastic athletics.

INTERSCHOLASTIC ATHLETIC SEASONS

| | |
|-----------|--|
| Fall | Girls' Badminton, Boys' Cross Country, Girls' Cross Country, Boys' Soccer, Boys' Football, Girls' Soccer, Girls' Tennis |
| Winter I | Girls' Volleyball, Boys' Basketball, Girls' & Boys' Winter Track |
| Winter II | Girls' Basketball, Boys' Wrestling, Boys' Volleyball, Girls' & Boys' Bowling |
| Spring | Boys' Baseball, Boys' Lacrosse, Girls' Lacrosse, Girls' Softball, Boys' Tennis, Girls' Track & Field, Boys' Track & Field, Girls' Gymnastics |



Moving Up...