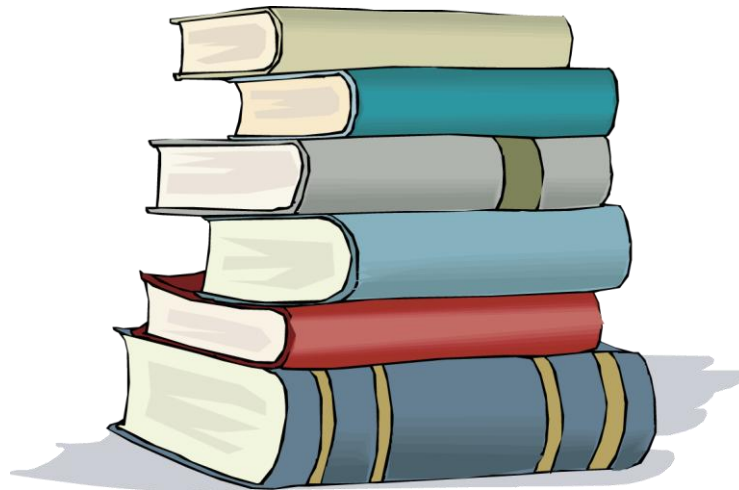


JOHNSTON SENIOR HIGH SCHOOL

PROGRAM OF STUDIES AND COURSE SELECTION BOOKLET 2017-2018



JOHNSTON SENIOR HIGH SCHOOL

**345 Cherry Hill Road
Johnston, Rhode Island 02919
Telephone (401) 233-1920**

MISSION STATEMENT

The mission of Johnston Senior High School, in partnership with the parents and the community, is to promote the academic, social, physical, and psychological well being of each student. Together we will create an institution responsive to the needs of an ever-changing society by offering rigorous and dynamic programs, which challenge all students to achieve high standards, become life-long learners and lead self-fulfilling, productive lives.

STUDENT EXPECTATIONS (SE)*

The Johnston Senior High School Student:

1. Takes responsibility for his/her learning.
2. Demonstrates the ability to be an autonomous learner.
3. Understands and demonstrates a sense of community and good citizenship.
4. Reads actively and critically for a variety of purposes.
5. Writes and speaks effectively.
6. Listens and views materials actively and critically.
7. Reasons effectively and solves problems.
8. Understands the concepts of personal physical fitness and good health.
9. Understands and applies technological concepts.
10. Performs and applies numeracy skills for a variety of purposes.

***All courses in the Program of Studies address Student Expectations (SE) by number (1-10) as indicated in parentheses after the course description.**

**JOHNSTON SENIOR HIGH SCHOOL
PROGRAM OF STUDIES
2017 - 2018**

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ACCREDITATION STATEMENT

Johnston Senior High School is accredited by the New England Association of Schools and Colleges, Inc., a non-governmental, nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions, offering postgraduate instruction. Accreditation of an institution by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality, periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources, to achieve its stated purposes through appropriate educational programs, is substantially doing so and given reasonable evidence that it will continue to do so in the foreseeable future.

Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. Individuals may also contact the Association.

New England Association of Schools and Colleges
209 Burlington Road, Bedford, MA. 01730-1433
(617) 271-0022

JOHNSTON PUBLIC SCHOOLS AFFIRMATIVE ACTION POLICY

Johnston Public Schools' policy prohibits discrimination based upon age, physical handicap, sex, marital status, sexual preference, gender identity or expression, race, religion, national origin, color, creed, or political affiliation. No employee or applicant shall be denied employment because of discriminatory practices.

It should be noted that in accordance with Title IX every effort is being made so that all students have an equal opportunity to enroll in any course established for their grade and preparation, regardless of sex.

(Equal Opportunity/Affirmative Action)

HIGH SCHOOL MAIN OFFICE TELEPHONE NUMBER

(401) 233-1920 Ext. 2600

HIGH SCHOOL ADMINISTRATION

Mr. Dennis Morrell, Principal	Ext. 2601
Mr. Michael Mancieri, Assistant Principal	Ext. 2701
Dr. Donna Pennacchia, Assistant Principal	Ext. 2720

SCHOOL RESOURCE OFFICER

Patrolman Jeffrey Cicchitelli	Ext. 2626
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GUIDANCE DEPARTMENT

Mr. Ryan Barrette	(A-C, D Grades 9-11, X-Z Grades 9-12, W Grades 9, 10, 11)	Ext. 2703
Mrs. Daniele Mallari	(D Grade 12, E-H)	Ext. 2129
Mrs. Mary Vingi	(L-Q)	Ext. 2702
Mrs. Lauren Fagundes	(R-V Grades 9-12, W Grade 12)	Ext. 2705
Miss Deborah Licciardi	Chairperson (I-K)	Ext. 2704

CENTRAL ADMINISTRATION

(401) 233-1900

Dr. Bernard DiLullo, Jr.	Superintendent of Schools
Dr. Arthur Petrosinelli	Assistant Superintendent
Mr. Fred Azar	Business Manager
Dr. Sally Mitchell	Director of Special Education
Mrs. Laura Blecharczyk	Assistant Director of Special Education
Mr. David Cournoyer	Director of Facilities/Transportation

JOHNSTON SCHOOL COMMITTEE

Mrs. Janice Mele, Chairperson	Miss Lauren Garzone
Mr. Robert LaFazia, Vice Chairperson	Ms. Gena Bianco
Mr. Joseph W. Rotella	

Johnston Senior High School DIPLOMA SYSTEM

For the Class of 2018, to earn a Johnston Senior High School Diploma, students must complete 23 credits and participate in departmental comprehensive course assessments. For the Class of 2019 and beyond, to earn a Johnston Senior High School Diploma, students must complete 24 credits and participate in departmental comprehensive course assessments.

Credits

<p><u>CLASS OF 2018</u> All students will successfully complete 23 credits in the following subjects to be eligible to graduate:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>English</td><td style="text-align: right;">4.0</td></tr> <tr><td>Mathematics</td><td style="text-align: right;">4.0*</td></tr> <tr><td>Science</td><td style="text-align: right;">3.0</td></tr> <tr><td>PE/Health</td><td style="text-align: right;">2.0</td></tr> <tr><td>American History</td><td style="text-align: right;">2.0</td></tr> <tr><td>Social Studies Elective</td><td style="text-align: right;">1.0</td></tr> <tr><td>Fine Arts</td><td style="text-align: right;">.5</td></tr> <tr><td>Technology</td><td style="text-align: right;">.5</td></tr> <tr><td><u>Electives</u></td><td style="text-align: right;"><u>6.0</u></td></tr> <tr><td>Minimum Credits</td><td style="text-align: right;">23.0</td></tr> </table> <p>*One credit of mathematics may be an applied mathematics.</p>	English	4.0	Mathematics	4.0*	Science	3.0	PE/Health	2.0	American History	2.0	Social Studies Elective	1.0	Fine Arts	.5	Technology	.5	<u>Electives</u>	<u>6.0</u>	Minimum Credits	23.0	<p><u>CLASS OF 2019</u> All students will successfully complete 24 credits in the following subjects to be eligible to graduate:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>English</td><td style="text-align: right;">4.0</td></tr> <tr><td>Mathematics</td><td style="text-align: right;">4.0*</td></tr> <tr><td>Science</td><td style="text-align: right;">3.0</td></tr> <tr><td>Physical Education</td><td style="text-align: right;">1.0</td></tr> <tr><td>Health</td><td style="text-align: right;">1.0</td></tr> <tr><td>American History</td><td style="text-align: right;">2.0</td></tr> <tr><td>Social Studies Electives</td><td style="text-align: right;">1.0</td></tr> <tr><td>Fine Arts</td><td style="text-align: right;">.5</td></tr> <tr><td>Technology</td><td style="text-align: right;">.5</td></tr> <tr><td>Personal Financial Literacy</td><td style="text-align: right;">.5</td></tr> <tr><td><u>Electives</u></td><td style="text-align: right;"><u>6.5</u></td></tr> <tr><td>Minimum Credits</td><td style="text-align: right;">24.0</td></tr> </table> <p>*One credit of mathematics may be an applied mathematics.</p>	English	4.0	Mathematics	4.0*	Science	3.0	Physical Education	1.0	Health	1.0	American History	2.0	Social Studies Electives	1.0	Fine Arts	.5	Technology	.5	Personal Financial Literacy	.5	<u>Electives</u>	<u>6.5</u>	Minimum Credits	24.0								
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Comprehensive Course Assessments

All students will take departmental comprehensive course assessments that are standardized by, and embedded in, courses.

Transfer and Appeals

Students who transfer from another school will have their transcripts reviewed. Graduation decisions are the responsibility of the principal. Parents may appeal graduate/not graduate status by submitting a written request for a hearing to the principal.

SUMMARY OF GRADUATION REQUIREMENTS

Class of 2018: Credits (23) in appropriate academic disciplines
Comprehensive Course Assessments (departmental/embedded in courses)

Class of 2019 and Beyond: Credits (24) in appropriate academic disciplines
Comprehensive Course Assessments (departmental/embedded in courses)

GRADING and ACADEMIC RANKING WEIGHTED GPA SCALE

<u>Grade</u>	<u>Grade</u>	<u>College Prep/Career</u>	<u>Honors Courses <i>plus .5</i></u>	<u>A.P./EEP Courses <i>plus 1.0</i></u>
A+	97-100	4.00	4.50	5.00
A	93-96	3.90	4.40	4.90
A-	90-92	3.67	4.17	4.67
B+	87-89	3.30	3.80	4.30
B	83-86	3.00	3.50	4.00
B-	80-82	2.67	3.17	3.67
C+	77-79	2.30	2.80	3.30
C	73-76	2.00	2.50	3.00
C-	70-72	1.67	2.17	2.67
D	65-69	1.00	1.50	2.00
F	< 65	0	0	0

Report cards are issued four times annually and interim reports are issued semi-quarterly. Numeric grades are used at Johnston Senior High School. All courses, including Physical Education and Health, are included in the numerical grade point average (GPA).

HONOR ROLL

Honor roll is computed each quarter and is not a cumulative honor. The unweighted GPA is used to calculate honor roll. The honor roll is reported to local newspapers so that students will receive recognition for their academic achievement.

<i>HIGH HONORS:</i>	<i>3.90 +</i>	<i>GPA</i>
<i>1st HONORS:</i>	<i>3.67 - 3.89</i>	<i>GPA</i>
<i>2nd HONORS:</i>	<i>3.00 - 3.66</i>	<i>GPA</i>
<i>3rd HONORS:</i>	<i>2.67 - 2.99</i>	<i>GPA</i>

VALEDICTORIAN AND SALUTATORIAN

The valedictorian and the salutatorian of each class are those students whose weighted rank is first and second in the class, after seven semesters of high school. To be selected valedictorian and salutatorian, students must have completed three semesters of academic work at Johnston Senior High School.

GRADE LEVEL CLASSIFICATION/CLASS STANDING

A student is placed in a specific grade according to the number of years he/she has attended high school. A first year student is in 9th grade, a freshman; a second year student is in 10th grade, a sophomore; a third year student is in 11th grade, a junior; and a fourth year student is in 12th grade, a senior.

COURSE CREDIT

To receive credit for a course, the student must complete the course with a passing grade of 65 or above during the school year. Summer school or tutoring will be accepted only under the conditions outlined in the policy of the Johnston School Department. A student who passes a repeat course will have both the failure and a passing grade of 65 recorded on the transcript.

CREDIT RECOVERY PROGRAM

The Credit Recovery Program provides online course opportunities to students that did not meet the required grade of 65 or above to earn course credit. Credit Recovery is offered after school and during the summer on an as needed basis.

COURSE SELECTION PROCEDURES

The course selection process is a process that involves the recommendations of teachers, consideration of the student's past performance, and future life plans. Students will be given a Program of Studies for 2017-2018 and their current teachers will recommend students for core courses. Then, students will meet with their school counselors to make course selections for the

year. Students will take their course selection sheets home for parent/guardian signatures and return them to the Guidance Office in a timely manner.

Failure to submit the course selection sheet may result in a student not being properly scheduled. Courses will run if there is sufficient student request and available staff. If a selected course must be cancelled, we will try to give students the opportunity to make alternative selections. Students are encouraged to make responsible choices when initially selecting courses. Please be certain to:

- Consult with your parents and school counselor.
- Read all materials carefully before choosing courses.
- Speak with your teachers about their recommendations.
- Turn in the signed course request form in a timely manner or a schedule will be generated for you without your input.
- Remember that there is no guarantee that all courses listed will run. Student selection will determine which courses will run and which will not.
- Courses may be combined at the discretion of the administration.

COURSE CHANGES

Careful thought must be given to each course selection. Discuss your choices with your counselor, teachers, and parents. A decision to elect a course is much like a contract. All changes in a student's schedule will be made in accordance with the following guidelines and restrictions:

1. Contact the Guidance Department as soon as you know a schedule change is necessary.
2. Course changes are subject to the availability of space in the requested course. Teacher preferences cannot be the basis of course request changes.
3. The Guidance Department will be open for a limited time period in the summer for course change issues based on end of year and/or summer school status.
4. During the first five days of a semester, schedule changes may be made for reasons including:
 - a. Correcting an error in your schedule.
 - b. Adding an additional course (Students are responsible for all work covered during their absence).
 - c. Dropping a course provided the credit requirement is met.
5. Courses will not be dropped after the first five days of the semester unless extenuating circumstances exist and a replacement course can be found.

RELEASE OF RECORDS

Federal law and school department regulations direct that individual school records cannot be released to any person or organization without the specific written consent of the parent or adult student who has reached his/her 18th birthday, unless specifically exempted by law or unless the student has clearly registered in another secondary school. Such authorization shall clearly identify the recipient, the types of information being released, the length of time for which his/her release is valid, and the general purpose for which the records will be used. In the event that such records are sent out without specific authorization (for example, by court order), the parent or adult student will

be so informed. Records to other educational institutions may be released upon request if evidence shows that the student has registered there (unless specifically prevented by the parent); however every effort will first be made to have parental authorization.

Students seeking issuance of transcripts to colleges should be aware of additional requirements in addition to that of written consent. There is a special form available in the Guidance Office that should be submitted to the Guidance secretary at least 10 school days in advance of the due date. Students should consider the mailing transit time to assure arrival before the deadline. School counselors shall be given 10 school days to process the school counselor's portion of the application packet.

Transcripts issued to undergraduate students will be issued at no cost to the student; however, students must provide postage.

SELECTIVE SERVICE REGISTRATION

All males, no later than 30 days after their 18th birthday, must register with the U.S. Selective Service. Registering online is the recommended method of doing so.

CAREER RELATED ASSESSMENTS

ASVAB

The Armed Services Vocational Aptitude Battery is a career interest inventory offered to juniors and seniors at no cost or obligation. The Guidance staff announces to all upper class students when and how they should register for this test.

COLLEGE ENTRANCE EXAMS 2017-2018

PSAT/NMSQT

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test is offered in October of each academic year. The test is normed for students in the 10th and 11th grade. Juniors who take the test are eligible to qualify for the National Merit Scholarship.

SAT

The Scholastic Aptitude Test is offered numerous times per year. Typically, students take the SAT in the spring of their junior year and then in the fall of their senior year. Registration materials are available online at <https://www.collegeboard.org>. Students are responsible for registering online.

SAT II

SAT II's are subject tests (formerly known as Achievement Tests) that test knowledge in a specific area and are offered several times a year. Some colleges may require as many as three SAT II tests. Students are responsible for registering online at <https://www.collegeboard.org>.

ACT

The ACT is offered several times a year. The ACT is an alternative to the SAT, although not all colleges accept it in place of the SAT. Typically, students take the ACT in the spring of their junior year and then again in fall of their senior year. Registration materials and further information is available at www.act.org. Students are responsible for mailing the registration materials or registering online.

COLLEGE ADMISSIONS REQUIREMENTS

English.....	4 credits
Mathematics (Alg.1, Alg.2, Geometry, College Alg., Pre-Calculus, Calculus)...	4 credits
International Languages (high school level, and minimum 2 years of 1 language)..	2-4 credits
Social Studies.....	3-4 credits
Science (Biology, Chemistry, Physics, AP Science).....	3-4 credits

Courses in art, music, humanities, computer science, etc. are suggested to complete a well-rounded program.

STUDENT SUPPORT SERVICES

ENGLISH LANGUAGE LEARNERS

The goal of the ELL program is to provide appropriate language experience so that students with limited English skills may become proficient in English. The program emphasizes the acquisition of interpersonal communication skills and encourages competitive academic skills. Instructional strategies promote effective speaking, reading, writing, listening and thinking in English. Credit is earned through ELL courses.

GUIDANCE

The Guidance Department of Johnston Senior High School, in partnership with the Rhode Island School Counselor Association, has implemented a comprehensive, school-counseling program. This comprehensive counseling program serves as an organizational framework to provide multiple opportunities for students to meet the American School Counseling Association (ASCA) national standards. Standards-based counseling has shifted the focus from a student-by-student system of service delivery to a comprehensive and developmental focus in the three domains that are fundamental to student success: academic, career and personal/social development. School counselors work with all students, school staff, families, and members of the community as an integral part of the education program. The counseling program provides an opportunity for all students to achieve success. The program is data driven, and allows for review, analysis, and interpretation of data to make an ongoing evaluation of the effectiveness of the school's comprehensive guidance program.

SPECIAL EDUCATION

Services are designed to enable students to make academic progress in the general education program curriculum whenever possible. These services are available for students who meet the federal guidelines. These services may include in-class support, social work services, speech and language services, occupational therapy services, out of classroom support, and specialized classes for students unable to make progress in the general education curriculum.

Academic Program

Following is some general information relating to Johnston Senior High School academics:

- Johnston Senior High School subscribes to the Modern Language Association (MLA) format for scholarly writing. Writing is taught in all courses throughout the curriculum.
- Some students may wish to earn college credit for advanced studies at Johnston Senior High School. This potentially may be done through the following programs that are subject to the Johnston Senior High School Concurrent/Dual Enrollment Policy. See Appendix A.

Advanced Placement Program (AP)

Johnston Senior High School (JSHS) has employed the College Board's nationally certified/approved Advanced Placement curricula for several courses that began in the 2011-2012 academic year. Students earn honor level points toward their class rank for taking AP courses. At the end of the year, they will take a nationally standardized exam and receive a grade of 1-5 of a possible 5 points. Many colleges and universities will award student college credit for having earned grades of 3-5 on their AP exams.

Early Enrollment Program (EEP)

Johnston Senior High School (JSHS), in association with Rhode Island College (RIC), offers EEP which allows high school students to take college courses and earn college credits while at JSHS. The courses are the same as those taught at Rhode Island College and the credits later may be applied to a RIC degree or they may be transferred to most other colleges. Library privileges at RIC are a part of the program. EEP courses are approved by RIC and taught by qualified Johnston Senior High School faculty.

Law, Public Safety and Security Career Academy

The Academy of Law, Public Safety and Security is a three-year program of study supplemented by career specific courses. The curriculum is designed to follow a planned sequence beginning in the sophomore year. Those students admitted will be assisted by faculty and guidance personnel to select an appropriate course of study based on the student's academic goals and career aspirations. Students who complete three required courses (Law and Society, Criminal Justice, and Forensics) may earn six college credits from Roger Williams University. To earn college credits, students must pass each course with a B+ average.

University of Rhode Island Writing Course

This course is open to senior AP/honor students and only junior AP students who will be exposed to strategies of writing for different audiences and situations. College credit is determined by the final grade.

Community College of Rhode Island Engineering Course

This Engineering Technology course is open to students in Grades 11 and 12. It introduces students to various tools and problem solving skills common to most fields of engineering and technology. Upon successful completion of the course, students may be awarded three credits from Community College of Rhode Island.

ART DEPARTMENT

The Art Department provides a variety of experiences and challenges, teaching students new skills and raising their awareness in the area of art appreciation. The arts are part of the required high school curriculum. The arts encourage visual perception and awareness of surroundings, personal involvement, and experimentation in all areas of the arts. In all art classes, students will study written and visual resources and maintain an art portfolio of their progress with written reflections and self-evaluations. Students will participate in class and school exhibits.

J122-112 Two-Dimensional Art I (Semester) .5 Credit Semester
Prerequisite: None Grades 9, 10, 11, 12

This is a foundation art course. Various two-dimensional art media including drawing, painting and printmaking are explored. Students analyze their own work as it relates to the national standards. Art History is incorporated as it pertains to specific assignments and in accordance with visual art and design grade span expectations. Portfolios, group critiques, written reflections and school exhibition participation will also be required in this course. SE 1,2,3,4,5,6,7,9

J123-112 Two-Dimensional Art II (Semester) .5 Credit Semester
Prerequisite: Two-Dimensional Art I Grades 9, 10,11, 12

Perspective drawing, painted landscapes and portraiture are just a taste of what is taught in this course. Materials used range from colored pencil and oil pastel to watercolor and acrylic paints. Students practice observation and visualization skills in order to make the imagined realized. Students build knowledge of color theory and principles of composition upon the foundation from the prerequisite course. Artistic styles and individual artists are studied in museum and/or gallery setting. Matting, mounting, and preparing works for exhibition are also covered. Students maintain a portfolio of their work. SE 1,2,3,4,5,6,7,9

J124-112 Two-Dimensional Art III (Semester) .5 Credit Semester
Prerequisite: Two-Dimensional Art II Grades 10, 11, 12

Emphasis is on the synthesis of basic drawing/painting/printmaking language and fundamental design skills. A focus is placed on the manipulation of materials and conceptual aspects of image construction. Portfolios are maintained. Students have multiple opportunities for exhibition. Development of aesthetic judgment is enhanced by the opportunity to study art objects in person through field trips and in house visits from art professionals. SE 1,2,3,4,5,6,7,9

J125-112 Two-Dimensional Art IV (Semester) .5 Credit Semester
Prerequisite: Two-Dimensional Art III Grades 10, 11, 12

Students build and edit portfolios for personal growth, job search, and/or college application purposes. Personal vision is stressed. Using two-dimensional techniques, a synthesis of the skills and concepts developed in the past three courses is realized. SE 1,2,3,4,5,6,7,9

J126-112 Three-Dimensional Art I (Semester) .5 Credit Semester
Prerequisite: None Grades 9, 10, 11, 12

This course introduces students to various three-dimensional techniques and concepts. Materials such as clay, paper mache, plaster and found objects are introduced and serve as a vehicle of expression. Lessons challenge students' imaginations as well as their technical skills. Portfolios, group critiques and art show participation are all required in this course. SE 1,2,3,4,5,6,7,9

J131-112 Three-Dimensional Art II (Semester) .5 Credit Semester
Prerequisite: Three-Dimensional Art I Grades 9, 10, 11,12

This natural progression of three-dimensional art further investigates various three-dimensional mediums and concepts. More advanced materials and techniques are utilized as vehicles of expression. Lessons continue to challenge students' imaginations and technical skills. Portfolios, group critiques and art show participation are required. Gallery and museum trips are also included in this course. SE 1,2,3,4,5,6,7,9

J128-112 Three-Dimensional Art III (Semester) .5 Credit Semester
Prerequisite: Three-Dimensional Art II Grades 10, 11, 12

Students in this course continue working three-dimensionally and building upon their prior knowledge. Lessons become more in depth as various artists, movements and styles are explored. Portfolios, group critiques and art show participation are required and gallery and museum trips are included. SE 1,2,3,4,5,6,7,9

J129-112 Three-Dimensional Art IV (Semester) .5 Credit Semester
Prerequisite: Three-Dimensional Art III Grades 10, 11, 12

In this advanced class, students expand upon techniques learned in their previous courses and they synthesize their acquired skills and knowledge. Lessons are explored individually as well as in small groups. Portfolios, group critiques and art show participation are required. Gallery and museum field trips are also included. SE 1,2,3,4,5,6,7,9

J116-112 Art History .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: None

This is a survey course. Students will think, talk, and write about art from a variety of periods and cultures. Students will engage in art making that reinforces art history lessons. This course will provide opportunity to strengthen knowledge of history through the creation of an art history timeline. This is an active course, designed to develop critical thinking strategies and address multiple learning styles while fostering art appreciation. SE 1,2,3,4,5,6,7,9

J117-112 20th Century Art History .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: None

This course surveys the history of modern art and critical theories from Post Impressionism in the 1890s. The development of Modernism, including Cubism, Abstract Expressionism, Dada/Surrealism, and Pop Art, and contemporary trends are traced through painting and sculpture. A focus on current issues that inspire artists will illuminate the relevancy of visual art in today's global society. Development in design and architecture will also be covered. **SE** 1,2,3,4,5,6,7,9

J115-112 Digital Art .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: None

This introductory course deals with using computer technology to produce an artistic image. Students will learn computer illustration techniques, image manipulation, graphic design visual literacy, and the elements and principles of design. A digital camera or smart phone is recommended but not mandatory. Art historical movements will also be studied as they relate to student projects. **SE** 1,2,3,4,5,6,7,9

BUSINESS AND TECHNOLOGY DEPARTMENT

The Business Department offers courses of interest to a wide audience. Students may take business courses for their own enrichment, to prepare to enter the world of business and technology immediately after high school, or to help prepare themselves for college.

J219-112 Career and Consumer Awareness .5 Credit Semester Grades 9, 10, 11, 12

The goal of this course is to empower students to become more aware of personal options that will help them reach their full potential for success in high school and beyond. Students are provided with the information needed to enable them to make choices pertaining to post-secondary education, training programs and work. Students also explore how they relate to the business environment as consumers by being introduced to the numerous challenges they will encounter as they assume the responsibility of becoming productive citizens. Curriculum highlights include on-line resources and simulations for career pathways, personality profiles and personal business practices. SE 1,2,3,4,5,6,7,9,10

J202-112 Financial Planning .5 Credit Semester Grades 11, 12

This course introduces students to the financial planning process and the components of a comprehensive financial plan. Students learn to prepare a financial plan that includes saving, investing, borrowing, risk management, and retirement. A portfolio is required and students will utilize on-line resources to include INVEST and stock market simulation strategies. SE 1,2,3,4,5,6,7,9,10

J231-112 International Business .5 Credit Semester Grades 11, 12

Students analyze how international business impacts commerce at all levels (local, state, national, and international) in regards to communication, ethics, organizational structure, trade relations, and finance. A strong understanding of the interrelationships of the social, cultural, political, legal, and economic factors that impact the international business environment are studied along with discussions of how personal management skills, human resource functions, technology tools, and a business' competitive position are needed to function effectively in a business environment. In addition, the concept of foreign trade, monetary differences, foreign exchange rates, and international financing are explored. SE 1,2,3,4,5,6,7,9,10

J204-112 Personal Financial Literacy .5 Credit Semester Grades 11, 12

In this course students will be introduced to various personal finance components to increase their knowledge in the areas of money, credit, resource and risk management to aide them in achieving financial security. Through application activities, the student will learn how to compute payroll deductions, prepare income tax statements and create budgets to allow for housing and automobile expenses, as well as how to maintain a checking account and determine how to choose appropriate savings, credit and insurance plans. **This course is required for all juniors beginning with the Class of 2019. The Class of 2018 may take this course as an elective.** SE1,2,3,4,5,6,7,9, 10

J221-112 Accounting I Honors 1 Credit Year Grades 10, 11, 12
Prerequisite: Teacher Recommendation

This course provides students with a working knowledge of the accounting cycle for a sole proprietorship, service business. Skills include the recording of business transactions, posting, preparation of trial balance and worksheets, closing entries, preparing financial statements, and banking activities. Additionally, students will complete a business simulation. Completion of extra projects and assignments are also mandatory. Accounting I, a mathematics related course, may be counted as a fourth credit in mathematics. SE 1,2,3,4,5,6,7,9,10

J206-112 Accounting I 1 Credit Year Grades 10, 11, 12

This course provides students with a working knowledge of the accounting cycle for a sole proprietorship, service business. Skills include the recording of business transactions, posting, preparation of trial balance and worksheets, closing entries, preparing financial statements, and banking activities. Additionally, students will complete a business simulation. Accounting I, a mathematics related course, may be counted as a fourth credit in mathematics. SE 1,2,3,4,5,6,7,9,10

J223-112 Accounting II: Principles of Financial Accounting Honors
1 Credit Year Grades 11, 12
Prerequisites: Accounting I Honors or Accounting I and Teacher Recommendation

Students in this course are provided the opportunity to apply skills learned in Accounting I to a variety of accounting situations. Students apply more in-depth accounting skills including financial statement analysis, accounting for departmental business, corporation accounting, inventory accounting and control, cost accounting, accounting adjustments including uncollectible accounts, depreciation, prepaid and accrued expenses, and unearned and accrued revenues. Completion of extra projects and assignments are also mandatory. Accounting II, a mathematics related course, may be counted as a fourth credit in mathematics. SE 1,2,3,4,5,6,7,9,10

J214-112 Accounting II: Principles of Financial Accounting
1 Credit Year Grades 11, 12
Prerequisite: Accounting I Honors or Accounting I

Students in this course are provided the opportunity to apply skills learned in Accounting I to a variety of accounting situations. Students apply more in-depth accounting skills including financial statement analysis, accounting for departmental business, corporation accounting, inventory accounting and control, cost accounting, accounting adjustments including uncollectible accounts, depreciation, prepaid and accrued expenses, and unearned and accrued revenues. Accounting II, a mathematics related course, may be counted as a fourth credit in mathematics. SE 1,2,3,4,5,6,7,9,10

J210-112 Marketing .5 Credit Year Grades 10, 11, 12

Students will be introduced to the principles and practices of marketing. Students will become familiar with the methods that businesses utilize to market their products and services. A concentration will be placed on the understanding of the marketing mix (4 P's), target markets, and marketing strategies. Real life advertising campaigns will be used as the topic of discussion along with complementary text and video to enhance understanding. Course will culminate with the creation of a product with associated marketing ideas. SE 1,2,3,4,5,6,7,9,10

J227-112 Automated Manufacturing-Robotics .5 Credit Semester Grades 10, 11, 12

This course introduces students to the dynamic field of automated manufacturing also known as robotics. Students study technological processes and systems related to present day and future production methods. Students incorporate business, mathematics, science, and technology skills to solve problems which involve developing and testing a method or product to comply with specific parameters/criteria to reach a desired outcome. As the second industrial revolution is entered, this course emphasizes the possible career choices available within a robotics field including; engineering, marketing, manufacturing, computer technology/programming, and entrepreneurship to name a few. SE 1,2,3,4,5,6,7,8,9,10

J229-112 Industrial Design and Problem Solving - CADD
.5 Credit Semester Grades 10, 11, 12

This course introduces students to many fields of industrial designs, technical drawing, and graphic communications. Using available resources, including computers and computer aided drafting and design (CADD) software, students prepare graphic representations of products/solutions to be used in the business world. Studies include technical drawing, isometric and orthographic projections, 3-D modeling, graphic design, and desktop publishing. Students gain firsthand knowledge of industrial practices that may lead to future career endeavors or post-secondary studies in the fields of marketing, engineering, product development, graphic design, publishing, and manufacturing. This course fulfills the graduation requirement for computer applications. SE 1,2,3,4,5,6,7,8,9,10

J230-112 Architectural Design .5 Credit Semester Grades 10, 11, 12

This course introduces students to the field of architecture by studying various types and styles of commercial and residential real estate. Emphasis is placed on the students' understanding of the design elements incorporated into each architectural example. Students will culminate their learning experience by creating a complete set of plans, using computer aided design (CAD) software, which includes front, rear, left side and right side elevations, plot plan, floor plans for each level, and a perspective drawing. Additional topics will include construction concepts and materials, geographic factors, energy efficiency, and cost analysis. This course fulfills the graduation requirement for computer applications. SE 1,2,3,4,5,6,7,8,9,10

J220-112 Entrepreneurship .5 Credit Semester Grades 10, 11, 12

In this course, students are introduced to the elements of operation and the risks associated with starting a new business as they explore the advantages and disadvantages of the different types of business ownership. Students are also exposed to the management, marketing, human resource and financial and organizational skills necessary to become a successful entrepreneur. A detailed Business Plan that demonstrates an understanding of those skills is required at the end of the course. SE 1,2,3,4,5,6,7,9,10

J228-112 Engineering Technology 1 Credit Year Grades 11, 12

Prerequisites: passed Algebra 1, Geometry, and 2 years of Language Arts. Students will be required to take the CCRI Accuplacer exam prior to enrollment for CCRI credit. Upon successful completion of the course students may be awarded 3 CCRI college credits.

This course introduces students to various tools and problem solving skills common to most fields of engineering and technology. The course will emphasize developing both individual critical thinking, and collaborative problem solving skills, essential in today's world of technology. Students will learn the basics of the engineering design process, product design, testing, and evaluation. As teams, students will apply this process to complete a semester-long project that will involve practical problem solving, computer simulation and physical product fabrication. To assist in the project analysis, documentation and presentation, students will develop skills with spreadsheets, word processing and presentation software. ***It is recommended that students successfully complete Industrial Design and Problem Solving – CADD prior to enrolling in this course.*** SE 1,2,3,4,5,6,7,8,9,10

ENGLISH LANGUAGE ARTS DEPARTMENT

*Published jointly by National Council of Teachers of English (NCTE) and the International Reading Association (IRA) in 1996 and reaffirmed in 2012, **The Standards for the English Language Arts** is designed to complement other national, state, and local standards and contributes to ongoing discussion about English language arts classroom activities and curricula.*

The Standards

1. Students read a wide range of print and non-print texts to build an understanding of texts, of themselves, and of the cultures of the United States and the world; to acquire new information; to respond to the needs and demands of society and the workplace; and for personal fulfillment. Among these texts are fiction and nonfiction, classic and contemporary works.
2. Students read a wide range of literature from many periods in many genres to build an understanding of the many dimensions (e.g., philosophical, ethical, aesthetic) of human experience.
3. Students apply a wide range of strategies to comprehend, interpret, evaluate, and appreciate texts. They draw on their prior experience, their interactions with other readers and writers, their knowledge of word meaning and of other texts, their word identification strategies, and their understanding of textual features (e.g., sound-letter correspondence, sentence structure, context, graphics).
4. Students adjust their use of spoken, written, and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.
5. Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.
6. Students apply knowledge of language structure, language conventions (e.g., spelling and punctuation), media techniques, figurative language, and genre to create, critique, and discuss print and non-print texts.
7. Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate, and synthesize data from a variety of sources (e.g., print and non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience.
8. Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge.
9. Students develop an understanding of and respect for diversity in language use, patterns, and dialects across cultures, ethnic groups, geographic regions, and social roles.
10. Students whose first language is not English make use of their first language to develop competency in the English language arts and to develop understanding of content across the curriculum.
11. Students participate as knowledgeable, reflective, creative, and critical members of a variety of literacy communities.
12. Students use spoken, written, and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and the exchange of information).

Be advised that:

- Ninth (genre based) and tenth (genre based) grade students are enrolled in year-long courses.
- English III and IV are year-long courses for recommended students.
- Semester courses are for recommended students in the eleventh and twelfth grades.
- Eleventh and twelfth grade students must enroll in at least two semester courses per year.
- Semester courses count as .5 English credit for eleventh and twelfth graders.
- All semester courses are open to both eleventh and twelfth grade students.
- A failed semester course does not need to be repeated. A different semester course may be taken.
- Semester courses may be taken in any order as the focus is not sequential.

J501-112 English I Honors 1 Credit Year Grade 9

This is a standards-based course for students exhibiting a mastery of the major genres of literature, grammatical concepts, speaking, listening, and viewing skills. A comprehensive study of literary genres including fiction, drama, poetry and non-fiction, forms the core of the literature program. Literary selections are drawn from a variety of time periods. Emphasis is placed on incorporating grammar and vocabulary skills into writing throughout the year. A research paper, to be completed using MLA format, is required. **SE** 1,2,3,4,5,6,7,9

J502-112 English I CP 1 Credit Year Grade 9

This is a standards-based course with a focus on communication skills and literary genres. Instruction stresses reading, writing, speaking, listening, and viewing skills. A comprehensive study of literary genres including fiction, drama, poetry and non-fiction, forms the core of the literature program. Literary selections are drawn from various time periods. Emphasis is placed on incorporating grammar and vocabulary skills into writing throughout the year.
SE 1,2,3,4,5,6,7,9

J502A-112 English I CP 1 Credit Year Grade 9

This is a standards-based course for freshmen with a focus on communication skills and literary genres. Instruction stresses reading, writing, speaking, listening, and view skills. A balanced literature approach emphasizes the development of reading strategies. **SE** 1,2,3,4,5,6,7,9

J503-112 English II Honors 1 Credit Year Grade 10

This is a ***Pre-Advanced Placement*** course for students exhibiting a mastery of the major genres of literature, grammatical concepts, listening, viewing skills and speaking. This course is based on College Board recommendations. Emphasis is placed on incorporating grammar and vocabulary skills into writing throughout the year. A research paper to be completed using MLA format is required in this course. **SE** 1,2,3,4,5,6,7,9

J504-112 English II CP 1 Credit Year Grade 10

This is a standards-based course with a focus on communication skills and literary genres. Instruction stresses reading, writing, speaking, listening, and viewing skills. A comprehensive study of literary genres including fiction, drama, poetry and non-fiction, forms the core of the literature program. Literary selections are drawn from various time periods. Emphasis is placed on incorporating grammar and vocabulary skills into writing throughout the year. SE 1,2,3,4,5,6,7,9

J504A-112 English II CP 1 Credit Year Grade 10

This is a standards-based course for sophomores. Instruction stresses reading, writing, speaking, listening, and view skills. A balanced literature approach emphasizes the development of reading strategies. SE 1,2,3,4,5,6,7,9

J506A-112 English III CP 1 Credit Year Grade 11

This is a standards-based course for juniors. Instruction stresses reading, writing, speaking, listening, and view skills. A comprehensive study of British literature forms the core of this literature program and enhances the development of reading strategies. SE 1,2,3,4,5,6,7,9

J508A-112 English IV CP 1 Credit Year Grade 12

This is a standards-based double level course for seniors. Instruction stresses reading, writing, speaking, listening, and view skills. A comprehensive study of American Literature forms the core of this literature program and enhances the development of reading strategies. SE 1,2,3,4,5,6,7,9

J555-112 Literacy 1 Credit Year Grades 9, 10, 11, 12

This is a standards-based course designed for ninth, tenth, eleventh, and twelfth graders who are performing significantly below grade level in reading. Personal Literacy Plans (PLP) including assessment, targeted instruction, and progress monitoring will be developed for each student. SE 1,2,3,4,5,6,7,9

J552-112 Literacy Lab .5 Credit Semester Grades 9, 10, 11, 12

This is a common-core based course designed to support students in their reading skills across all content areas. Students must be identified through assessment by either administration or the RtI team in order to qualify for this course. Literacy Lab students will be provided individualized instruction reflected in their Personal Literacy Plans (PLPs). Individualized goals will be set, students will be provided targeted instruction and then students will be monitored through regular assessment. SE 1,2,3,4,5,6,7,9

J599-112 Writing Skills Lab .5 Credit Semester Grades 9, 10, 11, 12

This is a common-core based course designed to develop student's writing skills by focusing on the writing process and the essential components (6 Traits) of successful writing in all content areas. Students will be identified through assessment by either administration or the RtI team. SE 1,2,3,4,5,6,7,9

J514-112 English Language Learner (ELL) 1 Credit Year Grades 9, 10, 11, 12

The goal of the ELL program is to provide appropriate language experience so that students with limited English skills may become proficient in English. The program emphasizes the acquisition of interpersonal communication skills and encourages competitive academic skills. Instructional strategies promote effective speaking, reading, writing, listening and thinking in English. Credit is earned through all ESL courses. SE 1,2,3,4,5,6,7,9

J516-112 English Language Learner (ELL) Resource
1 Credit Year Grades 9, 10, 11, 12

The goal of the ELL program is to provide language support for students with limited English skills so that they may achieve success in all of their classes including their English Language Learner (ELL) class. SE 1,2,3,4,5,6,7,9

J515-112 English Language Learner (ELL) Resource (Semester)
.5 Credit Semester Grades 9, 10, 11, 12

The goal of the ELL program is to provide language support for students with limited English skills so that they may achieve success in all of their classes including their English Language Learner (ELL) class. SE 1,2,3,4,5,6,7,9

*The following semester courses are open only to **recommended** juniors and seniors:*

J524-112 Composition I .5 Credit Semester Grade 11, 12

This is a standards-based course designed to teach specific, sophisticated types of writing, including argumentation, classification, and cause and effect. SE 1,2,3,4,5,6,7,9

J525-112 Composition II .5 Credit Semester Grade 11, 12
Prerequisite: Composition I

This course is intended for the student who has mastered the necessary genres of writing found in Composition I as more in-depth writing and research are required. Must have passed Composition I or demonstrated the acquisition of the skills and techniques needed for this higher level writing. SE 1,2,3,4,5,6,7,9

J513-112 Public Speaking .5 Credit Semester Grades 11, 12

This is a standards-based course that includes the preparation and presentation of informative and persuasive speeches with emphasis on organization of materials, methods for securing audience attention and interest, and techniques of delivery. SE 1,2,3,4,5,7,9

J571-112 Honors American Literature .5 Credit Semester Grades 11, 12

One American author will be studied in depth. Multiple texts, as well as published analyses of his/her work, will be read. Students will assume considerable responsibility for the amount of reading and writing required in this course. SE 1,2,3,4,5,7,9

J572-112 Honors British Literature .5 Credit Semester Grades 11, 12

One British author will be studied in depth. Multiple texts, as well as published analyses of his/her work, will be read. Students will assume considerable responsibility for the amount of reading and writing required in this course. SE 1,2,3,4,5,7,9

J573-112 Honors Shakespeare .5 Credit Semester Grades 11, 12

Multiple plays and sonnets will be studied, analyzed and connected to contemporary texts and issues. Students will assume considerable responsibility for the amount of reading and writing required in this course. SE 1,2,3,4,5,7,9

J574-112 Honors The Fourth Genre .5 Credit Semester Grades 11, 12

This course is a study of contemporary non-fiction and follows a reading/writing workshop format. Multiple texts will be read and analyzed. Students will assume considerable responsibility for the amount of reading and writing required in this course. SE 1,2,3,4,5,7,9

J576-112 Women in Literature .5 Credit Semester Grades 11, 12

This course examines multiple works about and by women. The many roles of women are analyzed through the literature presented. SE 1,2,3,4,5,7,9

J589-112 Early British Literature .5 Credit Semester Grades 11, 12

This is a standards-based course designed to trace the development of British literature from 449 A.D. to 1798 A.D. SE 1,2,3,4,5,7,9

J590-112 Late British Literature .5 Credit Semester Grades 11, 12

This is a standards-based course designed to trace the development of British literature from 1798 A.D. to Present. SE 1,2,3,4,5,7,9

J582-112 Early American Literature .5 Credit Semester Grades 11, 12

This is a standards-based course designed to trace the development of American literature from 1490 A.D. to 1870 A.D. SE 1,2,3,4,5,7,9

J583-112 Late American Literature .5 Credit Semester Grades 11, 12

This is a standards-based course designed to trace the development of American literature from 1870 A.D. to Present. SE 1,2,3,4,5,7,9

J587-112 The Autobiographical Survey .5 Credit Semester Grades 11, 12

This course follows a reading-writing workshop format. In addition to reading personal essays, memoirs, and excerpts from various autobiographical sources, students focus on writing thematically in response to texts. SE 1,2,3,4,5,6,7,9

J588-112 Poetry .5 Credit Semester Grades 11, 12

This is a standards-based course designed for an in-depth study of poetry with an emphasis on reading, writing and reciting of the various poetic forms. Students have the opportunity to participate in the nationwide *Poetry Out Loud* competition. SE 1,2,3,4,5,6,7,9

J541-112 AP English Language and Composition 1 Credit Year Grade 11

Prerequisites: English I and English II. *Strongly recommended previous honor-level courses.*

This course engages highly motivated students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. By writing and reading, students become aware of the interactions among a writer's purposes, audience expectations, and subjects. They learn about the manner in which genre conventions and the resources of language contribute to effectiveness in writing. Students assume considerable responsibility for the amount of reading and writing required and a summer project is required. This is a one year course open only to juniors. Students may take the AP exam at the end of the course and, depending upon their success with the exam, may be eligible to receive college credit for this course from their chosen college upon admittance to the college. See www.collegeboard.org for more information. There is no initial fee to take the course; nevertheless, the College Board charges a fee for the AP exam which is administered in early May. SE 1,2,3,4,5,6,7,9

J540-112 AP English Literature and Composition 1 Credit Year Grade 12

Prerequisites: English I, English II, and two semesters of English elective courses or AP ELA courses. *Strongly recommended previous AP and honor-level courses.*

This course engages highly motivated students in the careful reading and critical analysis of imaginative literature. Through close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such elements as the use of figurative language, imagery, symbolism and tone. Students will assume considerable responsibility for the amount of reading and writing and a summer reading project is required. This is a one-year course open only to seniors. Students may take the AP exam at the end of the course and, depending upon their success with the exam, may be eligible to receive college credit for this course from their chosen college upon admittance to the college. See www.collegeboard.org for more information. There is no initial fee to take the course; nevertheless, the College Board charges a fee for the AP exam which is administered in early May. SE 1,2,3,4,5,6,7,9

The following course is open to senior AP/honor students and only junior AP students.

J523-112 University of Rhode Island Writing Course

.5 Credit Semester Grade 11 (AP students only), 12

Students are exposed to strategies of writing for different audiences and situations. Writing projects include narratives, profiles, letters, reviews, research based reports, and textual analysis essays.

Students assume considerable responsibility for the amount of reading and writing in this course.

SE 1,2,3,4,5,6,7,9

MATHEMATICS DEPARTMENT

Calculators are required for all mathematics courses. Johnston Senior High School has adopted the Texas Instruments TI 83Plus graphing calculator for all Honor courses and the TI 30XA scientific calculator for all other courses.

Students in all mathematics courses will be part of an intellectually stimulating environment in which they will acquire knowledge to be applied in new situations and communicated in a variety of formats.

The Mathematics Department Expects All Students To:

- 1. Accept the rigor of the course*
- 2. Realize that Honors and Advanced Placement (AP) level courses require a significant investment of time*
- 3. Perform independent work which includes, but is not limited to: literacy readings, research projects, experimental projects, presentation and extractions of relevant information from tests*
- 4. Utilize critical thinking skills*
- 5. Utilize higher order thinking skills to analyze and solve problems*
- 6. Use skills and concepts acquired in previous courses.*

J606A-112 Algebra I, Part I 1 Credit Year Grade 9

Part I is the first year of a two-year sequence of coursework. Together the two years will be equivalent in course content to a traditional one-year Algebra I course. Students will explore: order of operations, evaluating expressions, simplifying expressions, solve linear equations and inequalities, solve absolute value equations, slope, functions, graphing, and writing linear equations. SE 1,2,3,4,5,6,7,9,10

J606B-112 Algebra I, Part II 1 Credit Year Grade 10

Part II is the second year of a two-year Algebra I course. It is a continuation of Algebra I, Part I and of those concepts previously studied. Students will explore: systems of equations, systems of inequalities, exponents, polynomials, factoring, radical expressions, and graphing quadratics. At the end of this course, students will have completed all of the state Algebra I standards. SE 1,2,3,4,5,6,7,9,10

J606-112 Algebra I CP 1 Credit Year Grade 9

This course will include the following topics: variable expressions, operations on real numbers, proportional reasoning, statistics and probability, linear equations, and inequalities, functions, absolute value, systems of linear equations and inequalities, polynomials and factoring, quadratic and rational functions and radicals. Problem solving skills and mathematical lineage will be stressed. SE 1,2,3,4,5,6,7,9,10

J607-112 Geometry Honors 1 Credit Year Grades 9, 10
Prerequisite: Algebra I

This course is designed to provide the student with a broad understanding of plane geometry. Students will develop powers of special visualization while building knowledge of the relationship among geometric elements. Algebraic skills will be used to gain knowledge of the relationship of algebra to geometry. Probability with applications to geometry will be investigated. Analytical skills and critical thinking skills are emphasized throughout this course. SE 1,2,3,4,5,6,7,9,10

J608-112 Geometry CP 1 Credit Year Grades 9, 10
Prerequisite: Algebra I

This course will use geometric terminology along with logical thinking skills, proofs and algebraic relationships. Two and three-dimensional figures will be explored through congruency, similarity, area and volume. Probability with applications to geometry will be investigated. An emphasis will be placed upon the use of geometric knowledge in the solving of real life problems. SE 12,3,4,5,6,7,9,10

J619-112 Geometric Investigations 1 Credit Year Grade 9, 10
Prerequisite: Algebra I

This course covers topics found in geometry and algebra and stresses the relationship between the two. Topics include areas of polygons, Pythagorean Theorem, surface area and volume, right triangle trigonometry, similar and congruent figures, parallel and perpendicular lines, proofs and probability. SE 1,2,3,4,5,6,7,9,10

J609-112 Algebra II Honors 1 Credit Year Grades 10, 11
Prerequisites: Algebra I and Geometry.

This course seeks to clarify and unify mathematical ideas through the investigation of the structure of algebra and algebraic methods. This course offers students an in depth understanding of linear and polynomial functions. Students will gain insight into some of the productive ideas of systems. Topics such a factoring, laws of exponents, relations, functions, quadratics, complex numbers, sequences, counting problems with applications to probability, and exponential fractions will be investigated. SE 1,2,3,4,5,6,7,9,10

J610-112 Algebra II CP 1 Credit Year Grades 10, 11, 12
Prerequisites: Algebra I and Geometry

This course emphasizes mathematical ideas through the investigation of the investigation of the structure of algebra and algebraic methods. Topics such as factoring, laws of exponents, relations, functions, quadratics, complex numbers, sequences, counting problems with applications to probability, and exponential fractions will be investigated. SE 1,2,3,4,5,6,7,9,10

J627-112 Algebra II Investigations 1 Credit Year Grades 11, 12
Prerequisites: Algebra and Geometric Investigations

This course focuses on topics from advanced algebra with its relationships to geometric concepts. Topics include quadratic functions, factoring, laws of exponents, sequences, counting problems, and probability. SE 1,2,3,4,5,6,7,9,10

J699-112 Numeracy Lab .5 Credit Semester Grades 9, 10, 11, 12

This is a common-core based course designed to support students in their numeracy/math skills. Students must be identified through assessment by either administration or the RtI team in order to qualify for this course. Numeracy Lab students will work to develop Math goals. They will be provided with targeted instruction and monitored through regular assessment. SE 1,2,3,4,5,6,7,9,10

J603-112 Math Literacy I 1 Credit Year Grades 12

This course will allow students to understand and utilize the mathematics needed to become a successful consumer. Topics of focus include, but are not limited to, budgeting, banking, and basic living expenses. **TEACHER RECOMMENDATION ONLY.** SE 1,2,3,4,5,6,7,9,10

J626-112 Topics in Math CP 1 Credit Year Grade 12
Prerequisites: Geometry and Algebra II / Teacher Recommendation

This course is developed for those students who would like to continue their study of those mathematical concepts that may prove integral to their pursuit of higher education. The course will include a study of set theory, higher degree equations and inequalities, fundamental trigonometric functions, and probability. SE 1,2,3,4,5,6,7,9,10

J611-112 Mathematical Analysis CP 1 Credit Year Grades 11, 12
Prerequisites: Geometry and Algebra II

This course introduces students to the role of logic in deductive systems of mathematics and helps them recognize the manipulative techniques in a mathematical structure of the system. Students will learn to appreciate the breadth and depth of mathematical application and perceive its unity. SE 1,2,3,4,5,6,9,10

J651-112 Pre Calculus and Trigonometry CP 1 Credit Year Grades 11, 12
Prerequisites: Geometry and Algebra II.

This course is ideally suited for students who are interested in continuing their study of mathematics. The first semester is a study of trigonometry which is developed in such a way as to reveal its natural role in both theoretical and practical applications. The second semester introduces the concepts of limit, derivative, and slopes. SE 1,2,3,4,5,6,7,9,10

J652-112 Pre Calculus and Trigonometry Honors 1 Credit Year Grades 11, 12
Prerequisites – Geometry and Algebra II

This course is ideally suited for students who are interested in continuing their study of mathematics, especially in the area of engineering. The first semester is a study of trigonometry which is developed in such a way as to reveal its natural role in both theoretical and practical applications. The second semester introduces the concepts of limit, derivative, and slopes. A more in depth analysis of concepts will be explored and discussed. **SE 1,2,3,4,5,6,7,9,10**

J614-112 Calculus Honors 1 Credit Year Grade 12
Prerequisite: Trigonometry

This course examines the theory and development of the concepts of calculus. The course includes a study of functions, limits, differential and integral calculus with applications of these concepts. **SE 1,2,3,4,5,6,7,9,10**

J635-112 AP Calculus 1 Credit Year Grade 12
Prerequisite: Trigonometry

This course follows the nationally standardized curriculum owned by the College Board and it examines the theory and development of the concepts of calculus. The course includes a study of functions, limits, differential and integral calculus with applications of these concepts. Students may take the AP exam at the end of the course and, depending upon their success with the exam, may be eligible to receive college credit for this course from their chosen college upon admittance to the college. See www.collegeboard.org for more information. There is no initial fee to take the course; nevertheless, the College Board charges a fee for the AP exam which is administered in early May. **SE 1,2,3,4,5,6,7,9,10**

J618-112 Statistics 1 Credit Year Grades 11, 12
Prerequisite: Algebra II

This course will present statistics as a useful tool in learning about the world around us. Students will become aware of real world applications while studying descriptive and inferential concepts. Descriptive statistics includes the collection, organization, summarization, and presentation of data. Inferential statistics is based on probability theory and includes combinations, permutations, hypothesis testing, and making predictions. **SE 1,2,3,4,5,6,7,9,10**

J698-112 Introduction to Computer Science .5 Credit Semester Grades 9, 10

This course introduces students to the study of computing and computer programming. Students learn to write formulas using spreadsheets in the Google Sheets application, data processing and analysis, coding, and how to write programs in Python. This is a required course for all freshmen. **SE 1,2,3,4,5,6,7,9,10**

MUSIC DEPARTMENT

These courses fulfill the graduation requirements for Fine Arts.

J707-112 Honors Band 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Recommendation by the Band Director

National Standards-based instruction includes singing, playing, note reading, improvisation, composing, and studying how music relates to culture, history, and other disciplines. Students will develop technical skills, enabling them to perform with expression, a varied repertoire of quality band literature. Students will perform in several concerts per year. Students selecting this course will participate in after-school and evening events. Honors Band students will complete a series of independent projects in order to earn an honors credit. Successful completion of this course and passing the comprehensive exam earns "Certificate of Basic Music Literacy." SE 1,2,3,5,6,7,9,10

J703-112 Band 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: One year playing experience

Band is open to students with at least one year of playing experience. National Standards-based instruction includes singing, playing, note reading, improvisation, composing, and studying how music relates to culture, history, and other disciplines. Students will develop technical skills, enabling them to perform with expression, a varied repertoire of quality band literature. Students will perform in several concerts per year. Students selecting this course will participate in after-school and evening events. Successful completion of this course and passing the comprehensive exam earns "Certificate of Basic Music Literacy." SE 1,2,3,5,6,7,9,10

J705-112 Chorus 1 Credit Year Grades 9, 10, 11, 12

Chorus is open to all students. National standards-based instruction includes singing alone and with others, note reading, and studying how music relates to culture, history, and other disciplines. Students will develop technical skills, enabling them to perform a varied repertoire of quality choral literature with expression. There will be self and teacher evaluated singing assessments throughout the year. Students will perform in several concerts per year. Students selecting this course will participate in after-school and evening events. Successful completion of this course and passing the comprehensive exam earns "Certificate of Basic Music Literacy." SE 1,2,3,5,6,7,9,10

J718-112 Honors Select Choir 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Recommendation by Choir Director

Select Choir is open to male and female vocalists by audition only. National standards-based instruction includes singing alone and with others, note reading, and studying how music relates to culture, history, and other disciplines. Students will develop technical skills, enabling them to perform a varied repertoire of complex choral literature with expression. Select Choir students are required to perform with the Chorus as well as the Select Choir. There will be self and teacher evaluated singing assessments throughout the year. Students will perform in several concerts per year. Students selecting this course will participate in after-school and evening events. Honors

Select Choir students will complete a series of independent projects in order to earn an honors credit. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” SE 1,2,3,4,5,6,7,9,10

J717-112 Select Choir 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Successful Audition Required

Select Choir is open to male and female vocalists by audition only. National standards-based instruction includes singing alone and with others, note reading, and studying how music relates to culture, history, and other disciplines. Students will develop technical skills, enabling them to perform a varied repertoire of complex choral literature with expression. Select Choir students are required to perform with the Chorus as well as the Select Choir. There will be self and teacher evaluated singing assessments throughout the year. Students will perform in several concerts per year. Students selecting this course will participate in after-school and evening events. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” SE 1,2,3,4,5,6,7,9,10

J709-112 Music Theory I .5 Credit Semester Grades 9, 10, 11, 12

Music Theory I is open to all students. No experience is necessary. Musical notation and instrumental relationships in western music are identified. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” SE 1,2,3,5,6,7,9,10

J712-112 Music Theory II .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: Music Theory

Students will utilize proficiency in reading musical notation to transcribe and arrange existing music as well as create original compositions. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” SE 1,2,3,5,6,7,9,10

J715-112 Drumming .5 Credit Semester Grades 9, 10, 11, 12

Drumming is open to all students. No experience is necessary. Students will play a variety of percussion instruments including drums, African drums, and drum set. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” SE 1,2,3,5,6,7,9,10

J716-112 Guitar I .5 Credit Semester Grades 9, 10, 11, 12

Guitar is open to all students. No experience is necessary. Students in this course will develop technical skills enabling them to perform with expression, a varied repertoire of quality guitar literature. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” SE 1,2,3,5,6,7,9,10

J713-112 Guitar II .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: Guitar I or Audition

Students in this course will explore advanced chords, barre chords, and note reading. The ability to read music is NOT a prerequisite. Successful completion of this course and passing the comprehensive exam earns “Certificate of Basic Music Literacy.” **SE 1,2,3,5,6,7,9,10**

J725-112 Guitar Ensemble .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: Guitar I or Guitar II

Students in this course will play a range of parts to create an ensemble. Moving beyond unison chords, students will learn to play single line melodies and two or more notes simultaneously, as well as broken or block chords. Students will also sharpen their listening and collaboration skills. The group will perform in several concerts per year. Students will play alone and in small groups. **SE 1,2,3,5,6,7,9,10**

J719-112 Music Production & Technology I .5 Credit Semester Grades 10, 11, 12
Prerequisite: Successful completion of one or more core music courses.

Music Production & Technology I encompasses digital audio recording, sequencing, looping, editing, and production. The course explores multi-track recording, editing, and mixing techniques. There is also an exploration of legal and ethical issues regarding digital music and the recording industry. The activities in this class provide students with a foundation of materials, resources, and techniques in music technology while examining real-life applications and career paths. Instruction is a combination of lecture, hands-on creating, group and individual projects, and supplemental reading assignments. This course fulfills the graduation requirement for computer applications. **SE 1,2,3,5,6,7,9,10**

J720-112 Music Production & Technology II .5 Credit Semester Grades 10, 11, 12
Prerequisite: Music Production I with no less than an 85 final grade.

Music Production & Technology II encompasses digital audio recording, sequencing, looping, editing, and production. The course explores multi-track recording, editing, and mixing techniques. We explore incorporating music in multi-media presentations. There is also an exploration of legal and ethical issues regarding digital music and the recording industry. The activities in this class provide students with a foundation of materials, resources, and techniques in music technology while examining real-life applications and career paths. Instruction is a combination of lecture, hands-on creating, group and individual projects, and supplemental reading assignments. This course fulfills the graduation requirement for computer applications. **SE 1,2,3,5,6,7,9,10**

J721-112 Music and Video Arts .5 Credit Semester Grades 11, 12
Prerequisites: Music Production I and II and Teacher Recommendation

Music and Video Arts is a course that introduces students to basic video/film/audio production. The goal of the course is for the student to develop the ability to capture great video images and audio, and to be able to edit those two elements together to tell a story. The course is designed to provide students with artistic, creative, and historical background in the fields of video and film production. In addition, this course provides instruction and training in pre-production, production, and post production phases of project development. SE 1,2,3,5,6,7,9,10

J722-112 Piano I .5 Credit Semester Grades 9, 10, 11, 12

Piano I is open to all students. No experience is necessary. By performing alone and in small groups, students will develop technical skills enabling them to perform with expression, a basic repertoire of piano literature. Successful completion of this course and passing the comprehensive exam earns "Certificate of Basic Music Literacy." SE 1,2,3,5,6,7,9,10

J727-112 Piano II .5 Credit Semester Grades 9, 10, 11, 12
Prerequisite: Piano I or Audition

Students will further their piano studies by playing new music and composing their own pieces. Students will play alone and in small groups. The final for this course will be a piano recital where students will perform a solo piece. SE 1,2,3,5,6,7,9,10

J723-112 World Music .5 Credit Semester Grades 9, 10, 11, 12

World Music is open to all students. The ability to read music is NOT a prerequisite. Students in this course will explore the links between western music and music from around the globe by examining the cultures and repertoire of lands from the Far East, Africa, South America, and Europe. SE 1,2,3,5,6,7,9,10

J724-112 Discovering American Music .5 Credit Semester Grades 9, 10, 11, 12

Discovering American Music is open to all students. The ability to read music is NOT a prerequisite. Students in this course examine the early influences and world events that helped to shape today's western popular music. SE 1,2,3,5,6,7,9,10

J726-112 Music Exploration .5 Credit Semester Grades 9, 10, 11, 12

Music Exploration is open to all students. The ability to read music is NOT a prerequisite. By experimenting with school-provided instruments, students in this course will develop technical skills enabling them to perform a basic repertoire of literature. Successful completion of this course and passing comprehensive exam earns "Certificate of Basic Music Literacy." SE 1,2,3,5,6,7,9,10

PHYSICAL EDUCATION AND HEALTH DEPARTMENT

Ninth, tenth, eleventh, and twelfth graders must take Physical Education and Health appropriate for the corresponding grade level or highest level of Physical Education they have passed.

J801-112 Physical Education I .25 credit Year Grade 9

Cooperative Games and Sport Skills

Ninth grade students will participate in formal physical fitness assessments in order to set goals and formulate a plan for lifetime personal fitness. Students will be introduced to weight training as a means to improve their body strength and increase their cardio fitness. Students in physical education will also participate in activities designed to enhance their sport related skills so that they can implement those skills in modified team sport activities. Students will participate in activities and games designed to build self-esteem and enhance social skills. SE 1,2,3,4,5,6,7,8,9,10

J801H-112 Health I .25 credit Year Grade 9

The ninth (9th) grade health program is designed to emphasize responsible decision-making and problem solving skills in order to maintain personal health and lifetime wellness. Topics addressed will include: Components of Physical Fitness & Nutrition, Mental Health & Suicide Prevention, Sex & Family Life Issues, and Communication & Interpersonal Relationships/Dating Violence. SE 1,2,3,4,5,6,7,8,9,10

J802-112 Physical Education II .25 credit Year Grade 10

Fitness, Racquet Sports & Net Sports

Tenth grade students will participate in continued physical fitness assessments in order to reflect on their previously set fitness goals and to modify their plan for lifetime personal fitness. Students will be introduced to various aerobic activities such as fitness walking and step aerobics in order to increase cardio-respiratory fitness. Students will be introduced to various racquet sports, such as badminton, modified pickleball, and modified lacrosse with an emphasis on active participation. Students will also participate in team sports such as floor hockey and volleyball. SE 1,2,3,4,5,6,7,8,9,10

J802H-112 Health II .25 credit Year Grade 10

The tenth (10th) grade health program is designed to emphasize responsible decision-making and problem solving skills in order to maintain personal health and lifetime wellness. Topics addressed will include: Body Image & Eating Disorders, Prevention of Sexually Transmitted Infections, Contraceptive Methods, Substance Abuse, and Interpersonal Relationships/Dating Violence. SE 1,2,3,4,5,6,7,8,9,10

J803-112 Physical Education III .25 credit Year Grade 11

Personal Fitness, Team Sports

Eleventh grade students will participate in continuing physical fitness assessments in order to analyze and evaluate their Personal Fitness Plan (PFP). Students will learn the concepts of weight training to improve their muscular strength and endurance. Students will be introduced to alternative exercise options such as yoga, Pilates, and plyometrics. Students will also participate in traditional and not so traditional team sports such as soccer, ultimate Frisbee, flag football, floor hockey, and volleyball with the emphasis on active participation and game strategy.

SE 1,2,3,4,5,6,7,8,9,10

J803H-112 Health III .25 credit Year Grade 11

The eleventh (11th) grade health program is designed to emphasize responsible decision-making and problem solving skills in order to maintain personal health and lifetime wellness. Topics addressed will include: First Aid/CPR, Teen Pregnancy/Flour Baby Project, Mental Health & Stress Management, Safety & Accident Prevention and Interpersonal Relationships/Dating Violence. SE 1,2,3,4,5,6,7,8,9,10

J804-112 Physical Education IV .25 credit Year Grade 12

Personal Fitness, Advanced Athletic Skills and Strategies

Twelfth grade students will participate in formal physical fitness assessments in order to complete and implement their life long Personal Fitness Plans (PFP). Students will utilize a variety of technology to assess, plan, maintain, and enhance physical activity levels (pedometers, software programs, body fat calipers). Twelfth grade students will participate in advanced skill activities such as golf, volleyball, pickleball, and badminton. Active participation, advanced skills, and playing strategies will be emphasized.

SE 1,2,3,4,5,6,7,8,9,10

J804H-112 Health IV .25 credit Year Grade 12

The twelfth (12th) grade health program is designed to emphasize responsible decision-making and problem solving skills in order to maintain personal health and lifetime wellness. Topics addressed will include: Responsible Sexual Behavior, Investigating Health Care Health Careers and Public Health Issues, Practical Life Skills & Managing Independence, and Interpersonal Relationships/Dating Violence. SE 1,2,3,4,5,6,7,8,9,10

J800-112 MINDFULNESS HEALTH COURSE: Heal Your Mind, Body & Soul
.5 credit Semester Grade 12

Mindfulness: Mindfulness means maintaining a moment-by-moment awareness of our thoughts, feelings, bodily sensations, and surrounding environment. Mindfulness also involves acceptance, meaning that we pay attention to our thoughts and feelings without judging them---without believing, for instance, that there’s a “right” or “wrong” way to think or feel in a given moment. When we practice mindfulness, our thoughts tune into what we’re sensing in the present moment rather than rehashing the past or imagining the future.

Students will learn:

- *How the Brain Functions
- *What Parts of the Brain are Affected by Emotions (Ex: Anger, Worry, Fear, Happiness, Compassion, Empathy, etc.)
- *Change our Brains Positively
- *Stress, Anxiety, Depression, Suicidal Thoughts, Drug Addiction
- *Mental Conditions & Disorders: Bi-Polar, PTSD
- *Mindfulness Programs/Theories/Therapy
- *Coping Skills/Exercises: Breathing Techniques, Yoga, Meditation “Raisin Exercise”, Walking Meditation, Loving-Kindness Meditation
- *Guest Speakers
- *Field Trip: HealthTrax, Raffa Yoga, and/or Zen Center

Benefits of Mindfulness:

- *Boosts Immune System to Fight Illness and Disease
- *Increases Positive Emotions while Reducing Negative Emotions
- *Fights Stress as well as Depression/Prevents Re-Lapse
- *Increases Gray Matter in Brain Linked to Memory, Learning, Regulating Emotions, Empathy, Boosts Self-Compassion
- *Helps students Focus, Attention Skills, Tune Out Distractions
- *Enhances Relationships (Parent to Child, Friend to Friend)
- *Fights Obesity
- *Improve General Quality of Life

SE 1,2,3,4,5,6,7,8,9,10

SCIENCE DEPARTMENT

The Science Department offers a wide variety of core courses and electives. Each course requires all students to work regularly on investigative activities to experience or practice concepts and skills introduced during the lecture. Collecting and analyzing data, using a scientific calculator and doing outside readings related to science are typical tasks students may be required to perform. Students must take three credits of science laboratory classes. Two half-credit science classes DO NOT substitute for a year-long laboratory science class.

J996A-112 Investigations in Physical Science Fundamental Skills

Prerequisite: Teacher Recommendation 1 Credit Year Grade 9

This course is designed to further develop fundamental skills necessary for success in future science courses. Students will study basic physics and chemistry concepts as well as earth and space science concepts. The class will focus on skills such as; experimentation and data collection, graphing, measurement, and problem solving. This is a hands-on approach to the study of the physical world. A major project is required during the year and will be teacher guided. SE 1,2,4,5,6,7,9,10

J996-112 Investigations in Physical Science 1 Credit Year Grade 9

Prerequisite: Teacher Recommendation

This course provides a study of physics and chemistry concepts as well as earth and space science. This is a more problem based approach to the study of the physical world. The class is focused on collecting data and looking for patterns that reveal phenomena in the physical world. Math skills obtained in basic algebra/geometry are used in the course. A major project is required during the year. SE 1,2,4,5, 6,7, 9,10

J909-112 Physical Science CP 1 Credit Year Grade 9

This course provides a study of physics concepts as well as earth and space science. This is a lab-based course. Class time is spent collecting data and looking for patterns that reveal things about the physical world. The graphing and math skills mastered in math courses are used as tools in this course in which scientific calculators are required. Participation in the science fair is **required**. SE 1,2,4,5,6,7 9,10

J902-112 Biology Honors 1 Credit Year Grade 9, 10

In this course special attention is given to the levels of organization of life. The complexity of life is brought out in the study of molecules through cells, tissues, organs, individuals, populations, species, and communities. Biochemistry is introduced to serve as a basis for understanding life processes both within the cell and in the multi-cellular organism. Other concepts introduced include cellular respiration, photosynthesis, cell division, patterns of inheritance, protein synthesis and ecology. Additional projects and laboratory exercises are expected in this course. Participation in the science fair is **required**. SE 1,2,3,4,5,6,7,9,10

J901-112 Biology CP 1 Credit Year Grade 10

In this course special attention is given to the levels of organization of life. The complexity of life is brought out in the study of molecules through cells, tissues, organs, individuals, populations, species, and communities. Molecular biology is introduced to serve as a basis for understanding life processes, both within the cell and in the multi-cellular organism, including cellular anatomy, patterns of genetics, protein synthesis, cell division and ecology. Consideration is also given to the environment of an organism as well as its structure. Participation in the science fair is **required**.
SE 1,2,3,4,5,6,7,8,9,10

J919-112 Investigations in Biological Science 1 Credit Year Grade 10
Prerequisite: Teacher Recommendation

This course allows students to explore the fundamental characteristics of living matter starting at the molecular level. Students are introduced to the diversity of living organisms and they investigate the structure of various life forms and functions, genetics and ecology. Individual and group projects, laboratory exercises, and a major project are required during the year.
SE 1,2,3,4,5,6,7,8,9,10

J922-112 AP Biology 1 Credit Year Grades 11, 12
Prerequisites: Chemistry CP or Chemistry Honors and Algebra II

This advanced placement course includes laboratory work and research based projects. The course is designed to allow high school students to pursue college level studies in biology. Emphasis will be placed on biological concepts including molecules and cells, heredity and evolution, and organisms and populations. A science fair project is **required**. A summer assignment involving review of prior biology knowledge will be required. Students may take the AP exam at the end of the course and, depending upon their success with the exam, may be eligible to receive college credit for this course from their chosen college upon admittance to the college. See www.collegeboard.org for more information. There is no initial fee to take the course; nevertheless, the College Board charges a fee for the AP exam which is administered in early May.
SE 1,2,3,4,5,6,7,8,9,10

J906-112 AP Physics 1: Algebra-Based 1 Credit Year Grades 11, 12
Prerequisite: AP Calculus or recommendation of Pre Calculus teacher.

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. A science fair project is **required**. A summer assignment involving review of prior physics knowledge will be required. There is no initial fee to take the course; nevertheless, the College Board charges a fee for the AP exam which is administered in early May.
SE 1,2,3,4,5,6,7,9,10

J905-112 AP Chemistry 1 Credit Year Grades 11, 12
Prerequisites: Chemistry CP or Chemistry Honors and Algebra II

The primary goal of the course is for students to understand the basic principles of modern chemistry while also demonstrating the ability to use that understanding in the solution of mathematically based laboratory, textbook, and real-life problems. This course is an advanced placement course designed to prepare the student for the AP Chemistry exam. The course is a rigorous math-based course, with a strong laboratory component. It is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of class, and who have successfully completed a prior course in chemistry during high school. A science fair project is **required**. A summer assignment involving review of prior chemistry knowledge will be required. There is no initial fee to take the course; nevertheless, the College Board charges a fee for the AP exam which is administered in early May. **SE** 1,2,3,4,5,6,7,9,10

J904-112 Chemistry Honors 1 Credit Year Grades 10, 11
Prerequisites: Physical Science or Physical Science Honors, Biology or Biology Honors and Algebra I and Geometry as well as concurrent enrollment in Algebra II

Chemistry covers the fundamental principles and laws of matter and energy. Many concepts are developed via a mathematical approach. Emphasis is placed on the use of problem solving skills, both in groups and as individuals. Laboratory work is required to develop technical and communication skills and a scientific calculator is required. Formal lab reports are required. Projects and assignments are more in-depth than in Chemistry. Participation in the science fair is **required**. **SE** 1,2,3,4,5,6,7,9,10

J903-112 Chemistry CP 1 Credit Year Grades 10, 11, 12
Prerequisites: Physical Science or Physical Science Honors, Biology or Biology Honors and Algebra I and Geometry

Chemistry is the study of matter and the interaction of matter and energy. Many concepts are developed through a mathematical approach. Laboratory work is required to develop technical and computational skills. Formal lab reports and a scientific calculator are required during the year. Participation in the science fair is **required**. **SE** 1,2,3,4,5,6,7,9,10

J994-112 Investigations in Chemistry 1 Credit Year Grades 11, 12
Prerequisites: Physical Science or Physical Science Honors and teacher recommendation

Practical chemistry is the study of matter and the interactions of matter and energy. Concepts are developed through a mathematical approach and demonstrations and laboratory activities involving everyday applications of chemistry. Formal lab reports and a major project are required during the year. **SE** 1,2,3,4,5,6,7,9,10

J908-112 Physics Honors 1 Credit Year Grades 11, 12
Prerequisites: Physical Science, Biology, and completion of, or concurrent enrollment in, Algebra II, Math Analysis or Trigonometry

This course offers students a comprehensive insight into the field of physics; the most fundamental of all the sciences. Students learn the concepts of physics through laboratory work, projects, demonstration and discussion. Topics to be studied include the concept of force, velocity, acceleration, heat, light, sound, and electromagnetism, as well as selected topics in modern physics, including special relativity and quantum mechanics. The understanding of these science concepts occurs through a mathematical approach with the use of vector algebra and a high level of academic rigor. Scientific data will be explored as well as real-world technological applications of physical phenomena. Participation in the science fair is **required**. SE 1,2,3,4,5,6,7,9,10

J992-112 Anatomy & Physiology Honors 1 Credit Year Grades 11, 12
Prerequisite: Biology

This course is offered primarily to those students with an interest in the structure and function of systems of the human body. Topics include studies of most human systems, and how they function. Dissection is a part of the lab experience in this course in which several projects will be completed. Participation in the science fair is **required**. SE 1,2,3,4,5,6,7,8,9,10

J910-112 Anatomy & Physiology CP 1 Credit Year Grades 11, 12
Prerequisite: Biology

This course is offered primarily to those students with an interest in the structure and function of systems of the human body. Topics include studies of most human systems, and how they function. Dissection is a part of the lab experience in this course in which several projects will be completed. Participation in the science fair is **required**. SE 1,2,3,4,5,6,7,8,9,10

Science Electives

J912-112 Astronomy .5 Credit Semester Grades 11, 12

The astronomy course is offered as a one semester introductory course. The sun, moon and solar system are studied. Stars constellations, galaxies, and other bodies are studied to show how they are related in our universe. Stellar evolution and cosmology are considered on a conceptual rather than a mathematical basis. What do we know about the vastness of space? Who are some of the persons responsible for our knowledge? How were they able to accumulate information about our universe? These are some of the questions to be answered in this course.
SE 1,2,3,4,5,6,7,9,10

J913-112 Environmental Science .5 credit Semester Grades 11, 12

This course will involve outside activities in which students will discover ecology by observation. Outings will be followed by a laboratory activity or a discussion period where results will be compiled. An individual project is **required**. Current events relevant to ecology are discussed. The goal of this course is an understanding of the various ecosystems and appreciation of the earth as one large biosphere. Separate units consider the various types of pollution and their effects on the biosphere. SE 1,2,3,4,5,6,7,8,9,10

J914-112 Genetics .5 Credit Semester Grades 11, 12

This half-credit elective is designed for students with an interest in biology. It involves an in-depth study of the continuity of life at the bio-molecular level. Major topics include the following structure and function of DNA and RNA, chromosomes, mitosis, gene expression and patterns of inheritance. Activities include laboratory work, projects, and a final research paper. SE 1,2,3,4,5,6,7,8,9,10

J915-112 Microbiology .5 Credit Semester Grades 11, 12
Prerequisite: Biology CP or Honors Biology

Microbiology offers the opportunity to observe and study the intricate nature of microorganisms and the staining and laboratory procedures involving the isolation of bacteria. The study of bacteria both as agents of disease and as agents helpful to humanity is complemented by a study of immunology. This course is beneficial for those students interested in a career in medicine or science or for those students who have a general interest in science. SE 1,2,3,4,5,6,7,8,9,10

J916-112 Oceanography .5 Credit Semester Grades 11, 12

This interdisciplinary course investigates such topics as the history of ocean exploration, geology and topography of the ocean basins, plate tectonics, physical and chemical properties of sea water, atmospheric conditions, currents, waves, tides and marine life. Activities include laboratory work and projects including a final research paper. SE 1,2,3,4,5,6,7,9,10

J917-112 Zoology .5 Credit Semester Grades 11, 12

Zoology is an elective science course that focuses on the evolutionary development of animals. The goal of this course is to give students a comprehensive overview of the animal kingdom and the unique features of the organisms that comprise this integral part of the biosphere as well as the appreciation of the relationships that exist among them. Dissection is utilized as an important teaching tool to achieve these goals. A final research paper is required. SE 1,2,3,4,5,6,7,9,10

J924-112 Forensic Science Honors 1 Credit Year Grades 11, 12
Prerequisites: Biology and Chemistry

This laboratory-based course involves students in the collection and organization of scientific data for the purpose of drawing conclusions which are then utilized in the determination of an unknown source or cause. The course focus is driven by an understanding and application of scientific content that includes, but is not limited to, biology, chemistry, and physics. Independent readings, case studies, and quarterly projects, and science fair are **required** and the course culminates with the processing of a mock crime scene. **SE** 1,2,3,4,5,6,7,9,10

J918-112 Forensic Science CP 1 Credit Year Grades 11, 12
Prerequisites: Biology and Chemistry/Practical Chemistry (may be taken concurrently)

This laboratory-based course involves students in the collection and organization of scientific data for the purpose of drawing conclusions which are then utilized in the determination of a cause. The course focus is driven by an understanding and application of scientific content that includes, but is not limited to, biology, chemistry, and physics. The course culminates with the processing of a mock crime scene. **SE** 1,2,3,4,5,6,7,9,10

SOCIAL STUDIES DEPARTMENT

J063-112 World History Honors 1 Credit Year Grade 9

This rigorous course for motivated students will examine the cultural, political, economic, environmental, and religious developments to 1600 CE, emphasizing the development of various economic, social, cultural, geographical, and political events that have shaped the modern world. Students will be expected to complete independent and group assignments using a variety of primary and secondary sources developing historical thinking skills of analysis, comparison, and causation while learning historical content. **SE 1,2,3,4,5,6,7**

J062-112 World History CP 1 Credit Year Grades 9, 10

This course will examine the cultural, political, economic, environmental, and religious developments to 1600 CE, emphasizing the development of various economic, social, cultural, geographical and political events and people that have shaped the modern world. Students will be expected to complete independent and group assignments using primary and secondary sources, develop historical thinking skills, and an appreciation of the importance of world history today. **SE 1,2,3,4,5,6,7**

J014-112 American History II Honors 1 Credit Year Grade 10
Prerequisite: American History I

This course is intended to challenge highly motivated history students to acquire a deeper understanding of the causes and impact of America as a world power. It includes an examination of Westward Expansion, the conflict with Native Americans, industrialization, the emergence of modern America, imperialism, World War I, the Great Depression, World War II, and the arrival of America as a world power. This course emphasizes history standards which include: how industrialization transformed American life, why America entered World War I, the causes of the Great Depression and how it affected American society, the causes and events of World War II and its reshaping of America's role in world affairs. **SE 1,2,3,4,5,6,7**

J013-112 American History II CP 1 Credit Year Grades 10, 11
Prerequisite: American History I

This course is a continuation of the study of the history of America and its people. It includes an examination of Westward Expansion, the conflict with Native Americans, industrialization, the emergence of modern America, imperialism, World War I, the Great Depression, World War II, and the arrival of America as a world power. This course emphasizes history standards which include: how industrialization transformed American life, why America entered World War I, the causes of the Great Depression and how it affected American society, the causes and events of World War II and its reshaping of America's role in world affairs. **SE 1,2,3,4,5,6,7**

Social Studies Electives

J066-112 AP United States History 1 Credit Year Grades 11, 12
Prerequisites: American History I and II and Departmental Approval

AP United States History focuses on developing motivated students' abilities to think conceptually about United States history from approximately 1491 to the present and apply historical thinking skills. The course is structured around seven themes (American and national identity; politics and power; work, exchange, and technology; culture and society; migration and settlement; geography and the environment; and America in the world) that promote historical thinking skills. A focus on the development of historical thinking skills provides opportunities for students to learn to think like historians, most notably to analyze evidence about the past and to examine persuasive historical arguments. AP United States History enables academically prepared students to pursue college level studies and prepare students to take the AP U.S. History exam administered in May. Students who earn a qualifying score may be eligible to receive college credit and/or placement in advanced college courses. **SE 1,2,3,4,5,6,7**

J067-112 AP Psychology 1 Credit Year Grades 11, 12
Prerequisites: American History I and II and Departmental Approval

AP Psychology introduces academically prepared students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and knowledge associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. AP Psychology enables motivated students to pursue college level studies and are expected to take the AP Psychology exam administered in May. Students who earn a qualifying score may be eligible to receive college credit and/or placement in advanced college courses. **SE 1,2,3,4,5,6,7**

J036-112 Western Civilization Honors 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

Western Civilization provides students with an understanding of the history that shaped Western society as it surveys the development of western people from prehistoric times to the present day. The course serves as preparation for humanities courses as well as for Western Civilization courses required of freshman at many colleges. Although history is emphasized, art, science, philosophy and other social sciences are incorporated into the course. This course is recommended for those students with a marked interest in social studies and a strong desire for intellectual challenge. **SE 1,2,3,4,5,6,7**

J016-112 Western Civilization CP 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

Western Civilization provides students with an understanding of the history that shaped Western society as it surveys the development of Western people from prehistoric times to the present. The course serves as preparation for humanities courses as well as for Western Civilization courses required of freshman at many colleges. Although history is emphasized, art, science, philosophy and other social sciences are incorporated into the course. SE 1,2,3,4,5,6,7

J018-112 Psychology CP 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

This course involves a study of human behavior, personality and the functioning of the mind. Students will gain an understanding of the influences of social, cultural and biological factors while investigating the topics of the evolution of psychology, personality theories, conflict, frustration, stress, aggression, mental illness, intelligence, dreams and sleep, psychodynamics and behaviorism. This course is designed to provide students with knowledge and insight into the many factors that impact on behavior and the human condition. SE 1,2,3,4,5,6,7

J028-112 Anthropology Honors 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

Physical anthropology is the study of the biological and genetic characteristics of humanity and cultural anthropology is the study of the shared, learned and patterned behavior that is a unique and defining characteristic of human beings. This course will examine human evolution and consider topics in physical anthropology such as human variation, race, and racism. Cultural anthropology will be a major focus of this course in which students will explore the development and variety of human cultures, from the simplest hunter-gatherers to the most complex states, through the use of case studies and ethnographies from many regions of the world. This course will offer students an expanded awareness and appreciation of cultural diversity and it will help develop their critical thinking and literary skills through classroom discussion and essays, position papers, and other research assignments. SE 1,2,3,4,5,6,7

J020-112 Sociology Honors 1 Credit Year Grades 10, 11, 12
Prerequisite: American History I

This course provides students with an in-depth examination of basic sociologic concepts, assumptions and explanations. It examines a wide variety of sociological topics with particular emphasis on core sociological themes such as: culture, social structure, interaction, socialization, deviant behavior, race/ethnicity, family, religion, groups and death. At the conclusion of this course, students understand sociological topics and apply sociologic perspective to daily life and contemporary issues; understand and describe the cultural and major social institutions of modern society; and, finally, understand the United States as a modern and changing society. This course combines lecture, class discussion, writing assignments and reading from selected source materials. SE 1,2,3,4,5,6,7

J023-112 Sociology CP 1 Credit Year Grades 10, 11, 12
Prerequisite: American History I

Sociology is the study of people and how their society is organized. It is the study of the causes and consequences of human relationships. Topics to be studied include crime, juvenile delinquency, poverty, drug and alcohol abuse, the family, marriage, divorce, roles, mental illness, genetics, minority groups, ethnicity, deviant behavior, culture status, child abuse, runaways, social mobility, domestic abuse, socialization, comparative world religions and world cultures, area control, capital punishment, community service, and re-socialization. A research project will be required as well as a community-based project. A portfolio is required.

SE 1,2,3,4,5,6,7

J043-112 Law and Society Honors 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

This course prepares students for possible career pathways in law, public safety, security, government, and public administration. This course shows the relationship between the government, the legal system and the society in which we live. An emphasis will be placed on conducting research and producing a scholarly paper for a major project requirement. Students will keep a portfolio of their work to be reviewed by Roger Williams University to possibly obtain three college credits that can be transferred to the college of their choice.

SE 1,2,3,4,5,6,7

J032-112 Law and Society CP 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

This course prepares students for possible career pathways in law, public safety, security, government, and public administration. This course shows the relationship between the government, the legal system, and the society in which we live. SE 1,2,3,4,5,6,7

J042-112 Criminal Justice Honors 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

This advance course introduces and prepares students for possible career pathways in law, public safety, security, government and public administration. It is an overview of the American Criminal Justice system that includes the types and classes of crime, the functions of the police, courts, corrections and the ethical standards required in the related fields. An emphasis will be placed on conducting research and producing a scholarly paper for a major project requirement. Students will keep a portfolio of their work to be reviewed by Roger Williams University to possibly obtain three college credits that can be transferred to the college of their choice. SE 1,2,3,4,5,6,7

J031-112 Criminal Justice CP 1 Credit Year Grades 11, 12
Prerequisites: American History I and II

This course introduces and prepares students for possible career pathways in law, public safety, security, government and public administration. It is an overview of the American Criminal Justice system that includes the types and classes of crime, the functions of the police, courts, corrections and the ethical standards required in the related fields. SE 1,2,3,4,5,6,7

J030-112 History of the 1960s CP .5 Credit Semester Grades 11,12
Prerequisites: American History I and II

In this course, students examine the historical, political, and cultural events, and their impact, of one of the most turbulent and significant decades in American history. Topics include: the presidencies of John F. Kennedy, Lyndon B. Johnson and Richard M. Nixon; the Viet Nam War; the civil rights movement; the women's rights movement; the counter-culture youth movement; and the exploration of space. SE 1,2,3,4,5,6,7

J039-112 Contemporary Issues CP .5 Credit Semester Grades 10, 11, 12
Prerequisite: American History I

This course will provide students the opportunity to analyze and assess current social, political, and cultural issues affecting Americans. These contemporary issues will be presented from a historical perspective and students will be encouraged to formulate their own thoughts and opinions. Selected local, national, and international affairs will be chosen for in-depth study and examination. This class is designed to promote greater civic awareness and participation among students and provide them with the knowledge and skills to be life long learners. All students will be required to keep and maintain a journal and portfolio. SE 1,2,3,4,5,6,7

J022-112 Constitutional Law CP .5 Credit Semester Grades 11, 12
Prerequisites: American History I and II

This course is designed to prepare students to recognize and understand how the law works in their communities, their lives and throughout the country. The goal of this course is to give students knowledge of constitutional law as it is played out through examination of landmark court cases. Legal issues such as the rights of minorities, and privacy issues such as random drug testing, are presented in such a fashion as to enable students to analyze critically the pros and cons of such issues. The course makes extensive use of good note taking skills, reading analysis, and critical essay writing, while providing an open forum for discussion in the classroom. Guest speakers on key topics as well as field trips to our Rhode Island courts are also included. SE 1,2,3,4,5,6,7

J050-112 African Studies Honors .5 Credit Semester Grades 11, 12
Prerequisites: American History I and II

This course is a study of the emergence of Homo sapiens in East Africa and the development of early African civilizations. It includes an examination of pre-colonial African history emphasizing African civilizations before the scramble by European nations for African labor and economic resources. It continues with the division of the continent into colonies, the rise of African nationalism and the struggle for independence. SE 1,2,3,4,5,6,7

J051-112 Asian Studies Honors .5 Credit Semester Grades 11, 12
Prerequisites: American History I and II

This course examines the cultural traditions and transformations in Asian history from its origins. The study includes specific historical events, political developments and philosophical, religious and social innovations in the history of East Asia, South Asia and Southeast Asia, highlighting development, conflict, and transformations as it interacts with other world civilizations.
SE 1,2,3,4,5,6,7

J052-112 Street Law .5 Credit Semester Grades 11, 12
Prerequisites: American History I and II

Street Law is a practical course to engage high school students in an examination of their legal rights and responsibilities. Students have the opportunity to study and discuss contemporary legal issues while developing an understanding of the principles of authority, fairness, justice, and responsibility that underlies our legal system. The goal of the course is to provide students with a sense of connectedness to society through knowledge of the law and America's legal system.
SE 1,2,3,4,5,6,7

J053-112 Rhode Island History .5 Credit Semester Grades 11, 12
Prerequisites: American History I and II

This course will explore the unique history of our state from the colonial era thru the 20th century. The goal of the class is to expose students to Rhode Island's important role in our nation's history and have a better understanding and appreciation of our state's history. Major topics/themes to be analyzed: The founding of our colony, Roger Williams and his relationship with the Native Americans, Gaspee Affair, Impact of the Industrial Revolution, Dorr Rebellion, Rhode Island during the Great Depression and WWII, Famous Rhode Islanders, etc. Students will learn about Rhode Island's numerous historical landmarks and Field Trip opportunities will be offered. As part of the class students will be required to complete a research-based final project that covers a topic in Rhode Island history using local primary sources. **SE 1,2,3,4,5,6,7**

J054-112 Economics .5 Credit Semester Grades 11, 12
Prerequisites: American History I and II

This course is designed to give both a practical and theoretical understanding of fundamental economic concepts. Topics include scarcity, markets and prices, laws of supply and demand, productivity, competition, unemployment, the business cycle, inflation, fiscal and government policies, and globalization. A variety of strategies are used to reinforce economic concepts and demonstrate the effects of business, labor, government and consumption on economic systems and individuals. **SE 1,2,3,4,5,6,7**

J024-112 Geography CP
Prerequisites: American History I and II

.5 Credit Semester Grades 11, 12

This course provides students with an understanding and appreciation of world geography. Americans have become acutely aware of our shrinking world and the profound changes which have occurred in once remote regions. Today, more than ever before, the study of geography is of utmost importance to all. It is the purpose of this course to project the geography of the world's regions as vivid learning aspects of man's life. It meets the challenges of today in which remote and once unheard of places are now common parlance. Geography emphasizes man's development of the environment and endless pursuit to control and utilize the physical surroundings. Using contemporary world events as a basis, students analyze the development of selected societies, economic systems and institutions and the influence and effect of the geographic environment upon these developments. SE 1,2,3,4,5,6,7

Academy of Law, Public Safety and Security

The Academy of Law, Public Safety and Security prepares students for post-secondary education and careers through academic learning and applicable hands-on experiences within a theme oriented curriculum. The Academy experience is contained within the existing curriculum of Johnston Senior High School and is supported by the professional and academic resources of Roger Williams University. Students may earn college credit in three courses (see below) by completing course work with a B⁺ or better.

The academy is a three or two-year program of study supplemented by career specific courses and the physical education classes that are required by all students at Johnston Senior High School. The curriculum is designed to follow a planned sequence beginning in the sophomore or junior year. Those students admitted to the academy will be assisted by faculty and guidance counselors in selecting appropriate courses of study based on their academic goals and career aspirations.

Freshman and Sophomore Years (Pre-Academy)

- Recruitment, application, and selection of students
- All students are enrolled in Physical Education (J801-112, J802-112) both years.

Junior and Senior Years

- The following courses are required:
 - Physical Education (J803-112, J804-112) both years.
 - Criminal Justice CP or Criminal Justice Honors* (J031-112 or J042-112)
(recommended Junior year)
 - Law and Society CP or Law and Society Honors* (J032-112 or J043-112)
(recommended Senior year)
 - Forensic Science CP or Forensic Science Honors* (J918-112, J924-112)
- Students are required to take one of the following two courses:
 - Sociology CP or Sociology Honors (J023-112 or J020-112)

Psychology CP or Psychology Honors (J018-112 or J035-112)

- Optional:
 - Public Speaking (J513-112) (Semester Course)
 - Internship (Non-Credit Course)

*College credit may be earned in these classes per agreement with Roger Williams University

WORLD LANGUAGES DEPARTMENT

Most colleges require that all students take a minimum of two consecutive years of a foreign language; i.e., Italian I and II, or, Spanish I and II. The World Languages Department provides multiple opportunities for students to demonstrate proficiency in the acquisition of a foreign language. The World Languages courses are year-long, one credit courses. Each course is proficiency oriented and includes departmental benchmark assessments. Students are asked to demonstrate proficiency in oral, listening, reading, and written comprehension.

J323-112 Italian I Honors 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Concurrently enrolled in English I Honors

This course is designed to introduce students to the Italian language. Through conversations, skits, cooperative learning, and other activities, students begin to use the language for personal enjoyment and enrichment. Various cultural and historical aspects of Italy are explored. The Italian I Honors course requires a more rigorous commitment to the study of the target language. **SE 1,2,3,4,5,6**

J302-112 Italian I CP 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: None

This course is designed to introduce college preparatory students to the Italian language. Through conversations, skits, cooperative learning, and other activities, students begin to use the language for personal enjoyment and enrichment. Various cultural and historical aspects of Italy are explored. **SE 1,2,3,4,5,6**

J304-112 Italian II Honors 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Italian I CP or Italian I Honors

This course is a continuation of Italian I. Through conversations, skits, cooperative learning experiences, and other activities, students continue to expand their use of the Italian language. As comprehension increases, students are encouraged to develop speaking and writing skills often with more self-expression. Various cultural and historical aspects of Italy are explored. The Italian II Honors course requires a more rigorous commitment to the study of the target language. **SE 1,2,3,4,5,6**

J308-112 Italian II CP 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Italian I CP or Italian I Honors

This course is a continuation of Italian I. Through conversations, skits, cooperative learning experiences, and other activities, students continue to expand their use of the Italian language. As comprehension increases, students are encouraged to develop speaking and writing skills often with more self-expression. Various cultural and historical aspects of Italy are explored. **SE 1,2,3,4,5,6**

J309-112 Italian III Honors 1 Credit Year Grades 10, 11, 12
Prerequisite: Italian II CP or Italian II Honors

This course is a continuation of Italian II. The course emphasizes self-expression through the production of videos, projects, compositions, oral presentations, and various other activities. Grammar study is used as a springboard to self-expression. Cultural and historical aspects of the language are also discussed through the use of newspaper articles, books, and videos in Italian. The Italian III Honors course requires a more rigorous commitment to the study of the target language. SE 1,2,3,4,5,6

J313-112 Italian III CP 1 Credit Year Grades 10, 11, 12
Prerequisite: Italian II CP or Italian II Honors

This course is a continuation of Italian II. The course emphasizes self-expression through the production of videos, projects, compositions, oral presentations, and various other activities. Grammar study is used as a springboard to self-expression. Cultural and historical aspects of the language are also discussed through the use of newspaper articles, books, and videos in Italian. SE 1,2,3,4,5,6

J317-112 Italian IV Honors, EEP (RIC) 1 Credit Year Grades 11, 12
Prerequisites: Italian III CP or Italian III Honors and Teacher Recommendation

This course is a continuation of Italian III. Conversation in Italian is conducted throughout the class period and is designed to reinforce and expand basic linguistic communicative skills. The course emphasizes self-expression in Italian through various oral and written projects. Students continue to learn about the various historical, political, and cultural events of Italy. SE 1,2,3,4,5,6

J320-112 Italian V Honors, EEP (RIC) 1 Credit Year Grade 12
Prerequisites: Italian IV Honors and Teacher Recommendation

Italian V Honors requires competency in Italian grammar and syntax. This course places a strong emphasis on oral expression, pronunciation, and fluency. SE 1,2,3,4,5,6

J324-112 Spanish I Honors 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Concurrently enrolled in English I Honors

This course is designed to introduce the Spanish language. Through conversations, skits, cooperative learning, and other activities, this course allows for use of the language for personal enjoyment and enrichment. Various cultural and historical aspects of Spanish-speaking countries are explored. The Spanish I Honors course requires a more rigorous commitment to the study of the target language. SE 1,2,3,4,5,6

J301-112 Spanish I CP 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: None

This course is designed to introduce the Spanish language. Through conversations, skits, cooperative learning, and other activities, this course allows for use of the language for personal enjoyment and enrichment. Various cultural and historical aspects of Spanish-speaking countries are explored. SE 1,2,3,4,5,6

J303-112 Spanish II Honors 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Spanish I CP or Spanish I Honors

This course is a continuation of Spanish I. Through conversations, skits, cooperative learning experiences, and other activities, students continue to expand their use of the language. The course expectation is for an increased fluency in the ability for self-expression through speaking and writing. Various cultural and historical aspects of Spanish-speaking countries are also explored. The Spanish II Honors course requires a more rigorous commitment to the study of the target language. **SE 1,2,3,4,5,6**

J306-112 Spanish II CP 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Spanish I CP or Spanish I Honors

This course is a continuation of Spanish I. Through conversations, skits, cooperative learning, and other activities, students continue to expand their use of the language. The course expectation is for an increased fluency in the ability for self-expression through speaking and writing. Various cultural and historical aspects of Spanish-speaking countries are also explored. **SE 1,2,3,4,5,6**

J311-112 Spanish III Honors 1 Credit Year Grades 10, 11, 12
Prerequisite: Spanish II CP or Spanish II Honors

This course is a continuation of Spanish II Honors. Through conversations, skits, cooperative learning, and other activities, students continue to expand their use of the language. The course expectation is for an increased fluency in the ability for self-expression through speaking and writing. Various cultural and historical aspects of Spanish-speaking countries are also explored. The Spanish III Honors course requires a more rigorous commitment to the study of the target language. **SE 1,2,3,4,5,6**

J314-112 Spanish III CP 1 Credit Year Grades 10, 11, 12
Prerequisite: Spanish II CP or Spanish II Honors

This course is a continuation of Spanish II. Emphasis on self-expression is encouraged through the production of videos, projects, compositions, oral presentations, and various other activities. Grammar study is used as a springboard to self-expression. Cultural and historical aspects of the language are also discussed through the use of newspaper articles, books, and videos in Spanish. **SE 1,2,3,4,5,6**

J316-112 Spanish IV Honors, EEP (RIC) 1 Credit Year Grades 11, 12
Prerequisites: Spanish III CP or Spanish III Honors and Teacher Recommendation

This course is a continuation of Spanish III. Conversation in Spanish is conducted throughout the class period and is designed to reinforce and expand basic linguistic communicative skills. A strong emphasis on self-expression in Spanish is required through oral and written projects. A variety of historical, political, and cultural events of Spanish-speaking countries will be explored. **SE 1,2,3,4,5,6**

J321-112 Spanish V Honors, EEP (RIC) 1 Credit Year Grade 12
Prerequisites: Spanish IV Honors and Teacher Recommendation

This course emphasizes the development of reading, writing, and speaking skills by exploring the literature and the culture of the Spanish speaking world. The class is conducted in Spanish.
SE 1,2,3,4,5,6

J322-112 Spanish for Heritage Speakers 1 Credit Year Grades 10, 11, 12
Prerequisites: Must be Spanish native and/or heritage Spanish speaker and Teacher Recommendation

This course is designed to develop and challenge students' abilities in speaking, reading, writing, listening and culture development in Spanish. Students further develop the Spanish they have learned previously, to gain more understanding about their language and cultural heritage, and to acquire Spanish literacy skills. This course expands students' bilingual range and moves learners beyond basic language development to expressive and receptive language abilities and a broader command of the language. Students develop strategic Spanish reading skills while investigating the literary genres of expository essay, myths, fables, legends, poetry, short stories, and novels. Students produce writing in various formats and genres including well-developed paragraphs, literary response items, expository essays, and short narratives, while continuing to develop skills in the correct use of grammar, spelling, punctuation, and capitalization. The culture and contemporary life of Spanish-speaking people and their influence on the world will be explored. SE 1,2,3,4,5,6

J300-112 French I Honors 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: Concurrently enrolled in English I Honors

Students are introduced to the French language via the four skills of speaking, listening, reading, and writing. Students will also be exposed to French culture, making them more sensitive to cultural differences. The French I Honors course requires a more rigorous commitment to the study of the target language. SE 1,2,3,4,5,6

J325-112 French I CP 1 Credit Year Grades 9, 10, 11, 12
Prerequisite: None

Students are introduced to the French language via the four skills of speaking, listening, reading, and writing. Students will also be exposed to French culture, making them more sensitive to cultural differences. SE 1,2,3,4,5,6

COURSE LISTING BY DEPARTMENT

DEPARTMENT		CREDIT	YR/SEM	GRADES
ART				
J122-112	Two-dimensional Art I	.5	Semester	9, 10, 11, 12
J123-112	Two-dimensional Art II	.5	Semester	9, 10, 11, 12
J124-112	Two-dimensional Art III	.5	Semester	10, 11, 12
J125-112	Two-dimensional Art IV	.5	Semester	10, 11, 12
J126-112	Three-dimensional Art I	.5	Semester	9, 10, 11, 12
J131-112	Three-dimensional Art II	.5	Semester	9, 10, 11, 12
J128-112	Three-dimensional Art III	.5	Semester	10, 11, 12
J129-112	Three-dimensional Art IV	.5	Semester	10, 11, 12
J116-112	Art History	.5	Semester	9, 10, 11, 12
J117-112	20 th Century Art History	.5	Semester	9, 10, 11, 12
J115-112	Digital Art	.5	Semester	9, 10, 11, 12

BUSINESS AND TECHNOLOGY				
J219-112	Career and Consumer Awareness	.5	Semester	9, 10, 11, 12
J202-112	Financial Planning	.5	Semester	11, 12
J231-112	International Business	.5	Semester	11, 12
J230-112	Architectural Design	.5	Semester	10, 11, 12
J204-112	Personal Financial Literacy	.5	Semester	11, 12
J220-112	Entrepreneurship	.5	Semester	10, 11, 12
J227-112	Automated Manufacturing – Robotics	.5	Semester	10, 11, 12
J221-112	Accounting I Honors	1	Year	10, 11, 12
J206-112	Accounting I	1	Year	10, 11, 12
J223-112	Accounting II: Principles of Financial Accounting Honors	1	Year	11, 12
J214-112	Accounting II: Principles of Financial Accounting	1	Year	11, 12
J210-112	Marketing	.5	Semester	10, 11, 12
J228-112	Engineering Technology	1	Year	11, 12
J229-112	Industrial Design and Problem Solving	.5	Semester	10, 11, 12

DEPARTMENT		CREDIT	YR/SEM	GRADES
ENGLISH LANGUAGE ARTS				
J501-112	English I Honors	1	Year	9
J502-112	English I CP	1	Year	9
J502A-112	English I CP	1	Year	9
J503-112	English II Honors	1	Year	10
J504-112	English II CP	1	Year	10
J504A-112	English II CP	1	Year	10
J506A-112	English III CP	1	Year	11
J508A-112	English IV CP	1	Year	12
J514-112	English Language Learner (ELL)	1	Year	9, 10, 11, 12
J515-112	English Language Learner Resource	.5	Semester	9, 10, 11, 12
J516-112	English Language Learner Resource	1	Year	9, 10, 11, 12
J541-112	AP English Language and Composition	1	Year	11
J540-112	AP English Literature and Composition	1	Year	12
J523-112	University of Rhode Island Writing Course	.5	Semester	12
J572-112	Honors British Literature	.5	Semester	11, 12
J573-112	Honors Shakespeare	.5	Semester	11, 12
J513-112	Public Speaking	.5	Semester	11, 12
J555-112	Literacy	1	Year	9, 10, 11, 12
J552-112	Literacy Lab	.5	Semester	9, 10, 11, 12
J599-112	Writing Skills Lab	.5	Semester	9, 10, 11, 12
J574-112	Honors The Fourth Genre	.5	Semester	11, 12
J576-112	Women in Literature	.5	Semester	11, 12
J571-112	Honors American Literature	.5	Semester	11, 12
J589-112	Early British Literature	.5	Semester	11, 12
J590-112	Late British Literature	.5	Semester	11, 12
J587-112	The Autobiographical Survey	.5	Semester	11, 12
J582-112	Early American Literature	.5	Semester	11, 12
J583-112	Late American Literature	.5	Semester	11, 12
J588-112	Poetry	.5	Semester	11, 12
J524-112	Composition I	.5	Semester	11, 12
J525-112	Composition II	.5	Semester	11, 12

DEPARTMENT		CREDIT	YR/SEM	GRADES
MATHEMATICS				
J698-112	Introduction to Computer Science	.5	Semester	9, 10
J606A-112	Algebra I, Part I	1	Year	9
J606B-112	Algebra I, Part II	1	Year	10
J606-112	Algebra I CP	1	Year	9
J607-112	Geometry Honors	1	Year	9, 10
J608-112	Geometry CP	1	Year	9, 10
J619-112	Geometric Investigations	1	Year	9, 10
J609-112	Algebra II Honors	1	Year	10, 11
J610-112	Algebra II CP	1	Year	10, 11, 12
J627-112	Algebra II Investigations	1	Year	11, 12
J699-112	Numeracy Lab	.5	Semester	9, 10, 11, 12
J603-112	Math Literacy I	1	Year	11, 12
J611-112	Mathematical Analysis CP	1	Year	11, 12
J651-112	Pre-Calculus and Trigonometry CP	1	Year	11, 12
J652-112	Pre-Calculus and Trigonometry Honors	1	Year	11, 12
J618-112	Statistics	1	Year	11, 12
J626-112	Topics in Math CP	1	Year	12
J635-112	AP Calculus	1	Year	12
J614-112	Calculus Honors	1	Year	12

DEPARTMENT		CREDIT	YR/SEM	GRADES
MUSIC				
J707-112	Honors Band	1	Year	9, 10, 11, 12
J703-112	Band	1	Year	9, 10, 11, 12
J705-112	Chorus	1	Year	9, 10, 11, 12
J719-112	Music Production & Technology I	.5	Semester	10, 11, 12
J720-112	Music Production & Technology II	.5	Semester	10, 11, 12
J721-112	Music and Video Arts	.5	Semester	11, 12
J709-112	Music Theory I	.5	Semester	9, 10, 11, 12
J712-112	Music Theory II	.5	Semester	9, 10, 11, 12
J718-112	Honors Select Choir	1	Year	9, 10, 11, 12
J717-112	Select Choir	1	Year	9, 10, 11, 12
J716-112	Guitar I	.5	Semester	9, 10, 11, 12
J713-112	Guitar II	.5	Semester	9, 10, 11, 12
J725-112	Guitar Ensemble	.5	Semester	9, 10, 11, 12
J722-112	Piano I	.5	Semester	9, 10, 11, 12
J727-112	Piano II	.5	Semester	9, 10, 11, 12
J715-112	Drumming	.5	Semester	9, 10, 11, 12
J723-112	World Music	.5	Semester	9, 10, 11, 12
J724-112	Discovering American Music	.5	Semester	9, 10, 11, 12
J726-112	Music Exploration	.5	Semester	9, 10, 11, 12

DEPARTMENT		CREDIT	YR/SEM	GRADES
PHYSICAL EDUCATION AND HEALTH				
J801-112	Physical Education I	.25	Year	9
J801H-112	Health I	.25	Year	9
J802-112	Physical Education II	.25	Year	10
J802H-112	Health II	.25	Year	10
J803-112	Physical Education III	.25	Year	11
J803H-112	Health III	.25	Year	11
J804-112	Physical Education IV	.25	Year	12
J804H-112	Health IV	.25	Year	12
J800-112	MINDFULNESS HEALTH COURSE: Heal Your Mind, Body & Soul	.5	Semester	12

DEPARTMENT		CREDIT	YR/SEM	GRADES
SCIENCE				
J996A-112	Investigations in Physical Science <u>Fundamental Skills</u>	1	Year	9
J909-112	Physical Science CP	1	Year	9
J996-112	Investigations in Physical Science	1	Year	9
J922-112	AP Biology	1	Year	11, 12
J902-112	Biology Honors	1	Year	9, 10
J901-112	Biology CP	1	Year	10
J919-112	Investigations in Biological Science	1	Year	10
J905-112	AP Chemistry	1	Year	11, 12
J904-112	Chemistry Honors	1	Year	10, 11
J903-112	Chemistry CP	1	Year	10, 11, 12
J994-112	Investigations in Chemistry	1	Year	11, 12
J906-112	AP Physics 1: Algebra-Based	1	Year	11, 12
J908-112	Physics Honors	1	Year	11, 12
J907-112	Physics CP	1	Year	11, 12
J992-112	Anatomy & Physiology Honors	1	Year	11, 12
J910-112	Anatomy & Physiology CP	1	Year	11, 12
J912-112	Astronomy	.5	Sem	11, 12
J913-112	Environmental Science	.5	Sem	11, 12
J914-112	Genetics	.5	Sem	11, 12
J915-112	Microbiology	.5	Sem	11, 12
J916-112	Oceanography	.5	Sem	11, 12
J917-112	Zoology	.5	Sem	11, 12
J924-112	Forensic Science Honors	1	Year	11, 12
J918-112	Forensic Science CP	1	Year	11, 12

DEPARTMENT		CREDIT	YR/SEM	GRADES
SOCIAL STUDIES				
J063-112	World History Honors	1	Year	9
J062-112	World History CP	1	Year	9, 10
J014-112	American History II Honors	1	Year	10
J013-112	American History II CP	1	Year	10, 11
J066-112	AP United States History	1	Year	11, 12
J067-112	AP Psychology	1	Year	11, 12
J036-112	Western Civilization Honors	1	Year	11, 12
J016-112	Western Civilization CP	1	Year	11, 12
J018-112	Psychology CP	1	Year	11, 12
J022-112	Constitutional Law CP	.5	Semester	11, 12
J028-112	Anthropology Honors	1	Year	11, 12
J039-112	Contemporary Issues CP	.5	Semester	10, 11, 12
J020-112	Sociology Honors	1	Year	10, 11, 12
J023-112	Sociology CP	1	Year	10, 11, 12
J030-112	History of the 1960s CP	.5	Semester	11, 12
J050-112	African Studies Honors	.5	Semester	11, 12
J051-112	Asian Studies Honors	.5	Semester	11, 12
J052-112	Street Law	.5	Semester	11, 12
J053-112	Rhode Island History	.5	Semester	11, 12
J054-112	Economics	.5	Semester	11, 12
J024-112	Geography CP	.5	Semester	11, 12
J043-112	Law and Society Honors	1	Year	11, 12
J032-112	Law and Society CP	1	Year	11, 12
J042-112	Criminal Justice Honors	1	Year	11, 12
J031-112	Criminal Justice CP	1	Year	11, 12

DEPARTMENT		CREDIT	YR/SEM	GRADES
WORLD LANGUAGES				
J323-112	Italian I Honors	1	Year	9, 10, 11, 12
J302-112	Italian I CP	1	Year	9, 10, 11, 12
J304-112	Italian II Honors	1	Year	9, 10, 11, 12
J308-112	Italian II CP	1	Year	9, 10, 11, 12
J309-112	Italian III Honors	1	Year	10, 11, 12
J313-112	Italian III CP	1	Year	10, 11, 12
J317-112	Italian IV Honors, EEP (Rhode Island College)	1	Year	11, 12
J320-112	Italian V Honors, EEP (Rhode Island College)	1	Year	12
J324-112	Spanish I Honors	1	Year	9, 10, 11, 12
J301-112	Spanish I CP	1	Year	9, 10, 11, 12
J322-112	Spanish for Heritage Speakers	1	Year	10, 11, 12
J303-112	Spanish II Honors	1	Year	9, 10, 11, 12
J306-112	Spanish II CP	1	Year	9, 10, 11, 12
J311-112	Spanish III Honors	1	Year	10, 11, 12
J314-112	Spanish III CP	1	Year	10, 11, 12
J316-112	Spanish IV Honors, EEP (Rhode Island College)	1	Year	11, 12
J321-112	Spanish V Honors, EEP (Rhode Island College)	1	Year	12
J300-112	French I Honors	1	Year	9, 10, 11, 12
J325-112	French I CP	1	Year	9, 10, 11, 12

**Advanced Placement (AP)

**College Preparatory (CP)

**Early Enrollment Program (EEP)

Appendix A:

Johnston Senior High School Early College Access Policy

Through formal agreements with local colleges and universities, JSHS students can take college courses to simultaneously earn credit at both the high school and postsecondary institutions at a reduced cost. Concurrent enrollment are college courses that are approved by the postsecondary institution to be taught at the high school, by a high school teacher whose credentials are reviewed and approved by the postsecondary institution. Dual enrollment courses are part of the postsecondary institution's regular schedule and are taught by a college professor on the college campus.

These dual/concurrent options are designed for highly motivated RI high school students, typically juniors and seniors, who seek rigorous academic challenge and want to get a head start on college. The primary benefit of early college access opportunities is a decrease in the time and expense of obtaining a college degree. Furthermore, research shows that students who take college classes while still in high school are less likely to be placed in remedial coursework, are more likely to enroll and stay in college and complete a degree on time. Students receive an official college transcript upon completion of the coursework. Therefore if students drop the course after the deadline or receive a failing grade, it may impact their financial aid and/or GPA during college in the future.

The school district is responsible for the cost of providing concurrent/dual enrollment programming. No low-income student, as defined by the Rhode Island Department of Education (RIDE), shall be denied access to concurrent/dual enrollment coursework on their ability to pay course related tuition and fees. Students may qualify for financial assistance through the "Prepare RI Initiative" and can obtain more information on the RIDE website. Students and/or families are responsible for scheduling and transportation for dual enrollment coursework at a postsecondary institution. Eligible students with disabilities will be provided with appropriate accommodations.

Students who are interested in Early College Access options should speak to their guidance counselor who can provide information, as well as provide the name and contact information of the JHS faculty member who coordinates each program. Information about each specific program is contained in the JHS Course of Study available at the school or online on the school website:

<http://jhs.johnstonschools.org/documents/Program%20of%20Studies%202014-2015.pdf>.

Additionally, academic and financial information governed by the college/university about each program, including guidelines, eligibility, criteria, credit acceptance, and financial assistance is available in the Course Catalog and on the website of the sponsoring post-secondary institution. JHS distributes written information and holds an assembly each fall for students interested in these programs. Further, each year guidance counselors meet with students in the scheduling process to provide information for them and their families regarding concurrent/dual enrollment options. The sponsoring postsecondary institutions provide JHS with course rosters, grades assigned, and transcripts to track student enrollment in and completion of dual/concurrent coursework. Results are printed on JHS student transcripts.

Eligibility criteria for Concurrent Enrollment opportunities:

Students must maintain a minimum of a "B" average in the course content area

Teacher and/or department chair recommendation

Parental approval

Any other criteria required by the sponsoring postsecondary institution

Eligibility criteria for Dual Enrollment opportunities:

Complete all JHS Diploma System course credit requirements with the exception of Twelfth Grade English, the fourth math related requirement, and Physical Education/Health

Complete all JHS Diploma System Performance-Based - Graduation Requirements (PBGR's)

Earn a 2.0 GPA

Principal and guidance counselor approval

Parental approval

Attendance and conduct history will be considered

Any other criteria required by the sponsoring postsecondary institution

Early College Access Opportunities available at JHS include:

Early Enrollment Program (EEP): Juniors and seniors take honors courses in various subjects at JHS and earn transferable college credits through Rhode Island College. (Concurrent Enrollment)

Advanced Placement (AP): Juniors and seniors take AP courses in various subjects at JHS and complete the College Board standardized final examination. (Concurrent Enrollment)

Early Credit High School Program: Juniors and seniors take courses at JHS and earn transferable college credits through the University of Rhode Island (URI Writing). (Concurrent Enrollment)

Law, Public Safety, and Security Project: Students can take courses in science (Forensics) and social studies (Law & Society, Criminal Justice) to earn transferable college credits to Roger Williams University. (Concurrent Enrollment)

Project Running Start: Qualified seniors may complete their final year of high school as a full-time student at Community College of R.I. (Dual Enrollment)

High School Enrichment Program: For enrichment purposes, students can earn six (6) college credits per semester at Community College of R.I. which may be accepted at JHS for courses that are not available at the high school. (Dual Enrollment)

Project Access: Qualified seniors may complete their final year of high school as a full-time student at Johnson & Wales University. (Dual Enrollment)

Appendix B:

Advanced Coursework Network

Beginning in fall 2016, Rhode Island public secondary schools will have the opportunity to expand the advanced level coursework available to their high school and middle school students through a new initiative, the Advanced Coursework Network. This initiative is intended to build upon the work that many schools have already done in this area. Enriching experiences with advanced coursework help students get a head start on post-secondary success, master the skills required of a lifelong learner, and be prepared for jobs in sectors critical to Rhode Island's future prosperity. However, LEA and school ability to offer a wide variety of advanced coursework to meet the diversity of needs for all students is often limited by time and resources. The Advanced Coursework Network is designed to help districts and schools meet this need by creating opportunities for Rhode Island students to envision, pursue, and realize their individual graduation pathway. As Network Members, schools and districts will enable students and their families to choose to enroll in formerly unavailable high value academic- and career-focused courses while they remain enrolled at their public school at no cost to the school, district, or family.

Districts and schools will have the option of joining the Network as Network Providers, in which they extend existing or new courses to students from other LEAs and/or as Network Members, in which they allow their students to enroll in coursework offered by the Network.

High school courses will be offered in various modalities and middle school courses will be offered in virtual delivery methods to encourage the greatest participation from students in schools and districts that have chosen to participate in the initiative in its first year. RIDE anticipates the course offerings will include advanced science and mathematics courses, as well as Advanced Placement, world languages, career-focused, and dual/concurrent enrollment courses. Coursework will be offered by Rhode Island LEAs Community-Based Organizations and Institutions of High Education.