

**SOUTH KINGSTOWN HIGH SCHOOL
2017-2018 PROGRAM OF STUDIES**

**Department Honors/Advanced Placement/College Credit
Course Descriptions**

THE SOUTH KINGSTOWN HIGH SCHOOL REBEL WAY

South Kingstown High School is proud to be a safe and respectful community of learners that recognizes and encourages the talents and potential of every student. We are committed to a rigorous curriculum that fosters and develops identified academic, civic and social skills. The 21st century Rebel is an independent, critical thinker who effectively participates in our diverse community.

COURSE SELECTION

South Kingstown High School expects to offer all courses in this Program of Studies. However, certain courses may be deleted or combined depending on enrollment, staff availability and school committee approval. Students should select their courses very carefully, choosing as challenging a program as one can in order to keep as many alternatives after high school graduation available as possible. Students are urged to respond to their special abilities and interests and to consider their possible future educational and vocational plans as each student completes his/her graduation by proficiency and diploma requirements.

As students choose their courses, the school counselors will assist students in making selections. Their advice should be sought, as well as that of parents/guardians and teachers. Parents and guardians who have questions are urged to call the Guidance Office (360-1004). **Every effort will be made by school personnel to see that graduation by proficiency and credit requirements are met, but the final responsibility for meeting the requirements for graduation rests with the student, and their parents/guardians.**

South Kingstown High School offers Honors and Advanced Placement (AP) courses that are designed to challenge the student who wishes to explore a particular topic in depth. Advanced Placement and/or Honors courses are demanding and require that the student conference with the subject area teacher and receive a faculty recommendation. Teacher recommendation is based on an assessment of the student's potential to meet the rigorous expectations of these advanced level courses.

ADVANCED PLACEMENT COURSES

Students who enroll in Advanced Placement (AP) courses are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school. Students who fail to pay the requisite fee (\$93/exam during the 2016-2017 school year) during September will be withdrawn from the class. Students who are eligible for free/reduced lunch and/or are experiencing family financial difficulties are eligible for assistance in paying the AP exam fee; students should speak to their school counselor at the start of the school year.

Students who plan on enrolling in AP courses should pay close attention to the course descriptions for these courses and note that there may be required summer assignments that must be completed prior to the start of the school year. Required summer assignments are provided to students prior to the end of the school year by the appropriate AP teacher of the course for the upcoming school year.

VIRTUAL LEARNING OPPORTUNITIES

AVAILABILITY OF VIRTUAL LEARNING OPPORTUNITIES DUE TO SCHEDULING CONFLICTS

Juniors and seniors who are unable to enroll in Advanced Placement, Honors and/or other South Kingstown High School courses due to scheduling conflicts may access the given course via the Virtual High School (VHS) online high school program. South Kingstown High School will be offering a limited number of seats in this online program to upperclassmen. Students must meet with their school counselor to determine the availability of this scheduling option prior to the end of the school year.

Online course work through the VHS program in Advanced Placement courses also **requires** students to complete the associated AP exam in the school setting in May (see AP information above).

Advanced Placement and Honors courses completed via the VHS online program will be awarded GPA points as Advanced Placement/Honors courses and be included in the calculation of cumulative GPA and class rank. All other courses will be awarded their appropriate GPA points, as well, and will also be included in the calculation of cumulative GPA and class rank. Interested students may obtain additional information, the list of available course offerings and associated curriculum on the VHS website (www.govhs.org).

VIRTUAL LEARNING OPPORTUNITIES FOR JUNIORS AND SENIORS

Juniors and seniors can request to enroll in a Virtual High School (VHS) online course with school counselor and administrator approval. This course, selected from those available on the VHS site (www.govhs.org) would serve as an 8th course in a student's schedule and would be a course **NOT** offered at South Kingstown High School. This option is limited to those VHS seats available after students accessing VHS seats due to scheduling conflicts (see above) have finalized their schedules prior to the end of the school year.

AP online course work in an 8th course will be awarded AP GPA points and be included in the calculation of cumulative GPA and rank. Interested students may obtain additional information, the list of available course offerings and associated curriculum on the VHS website.

Students interested in Virtual Learning Opportunities are required to complete an application and meet with their school counselor prior to submitting the completed application to enroll in an online course.

An approved drop of a given Virtual Learning course after the first marking period of that course will reflect a "WD" for withdrawal on the student's transcript.

EARLY COLLEGE, DUAL AND CONCURRENT ENROLLMENT POLICY

Purpose:

The Dual Enrollment Policy is designed to support the enrollment of South Kingstown High School students in courses designed to provide an early college experience, with the opportunity to earn college credit(s). This policy fulfills the requirements of R.I.G.L. 16-100-3(a) and 16-100-4. Students and parents interested in exploring this opportunity should contact their school counselor.

Definitions:

Concurrent Enrollment: A student is enrolled in High School and enrolled in a course that is offered at the High School in the Program of Studies and is taught by a High School teacher approved by the post-secondary institution(s).

Dual Enrollment: A student is enrolled in a secondary school while simultaneously enrolled part-time or full-time (typically as a non-matriculating student) at a post-secondary institution, such as a community college, college or university.

Early College Enrollment: A senior who is accepted and enrolls as a post-secondary full time student in a degree program may elect to substitute that program for his/her senior year.

Post-secondary Institution: Institutions of higher education.

Eligibility:

All students are eligible to participate in early college, dual and concurrent enrollment courses, given the availability of space. Specific prerequisite courses are identified in the Program of Studies. The approval of the principal may be denied or withdrawn when (1) a student is not on-track to graduate on time and/or has not met Graduation benchmarks, (2) a student's GPA falls below 3.0, (3) a student's

conduct negatively impacts his/her achievement, and (4) a student is chronically absent or tardy. As a condition of participation in Dual and Early College Enrollment Courses, students or parents must agree in writing to allow for a complete exchange of information.

Grading, Course Credit and Accommodations:

Grading for concurrent enrollment courses will be in accordance with the grading policy/procedures at South Kingstown High School. All earned credits in concurrent enrollment will count toward a South Kingstown High School diploma.

Grading for dual enrollment and early college enrollment courses will be in accordance with that of the post-secondary institution. A record of courses and grades taken in dual enrollment or early college enrollment are not included on the student transcript and are not calculated into GPA and rank. All earned credits in concurrent enrollment will count toward a South Kingstown High School diploma.

In cases where courses are higher than or not equivalent, the student can elect to provide a college transcript to the Guidance Office and/or to other institutions of higher education with their admissions information. Courses will be weighted in accordance with the guidance provided in the Program of Studies.

The district will not be responsible for providing any accommodations that would otherwise not be required to be provided by the post-secondary institution.

A student who has completed the high school graduation requirements may not continue to enroll as a student in the district by participating in programs detailed in this policy.

Financial Responsibility

Unless specifically provided for in the South Kingstown School Department budget, all costs associated with early college, dual and concurrent enrollment courses are the sole responsibility of students and their families. The availability of funding from the State of Rhode Island may or may not be available to defray these costs to Rhode Island public institutions of higher learning. The district will ensure the participation of students receiving a free or reduced lunch by providing assistance (through the Guidance Office) in identifying funding sources. The District will not provide transportation to post-secondary institutions.

SCHEDULE CHANGES

Students, with support from their school counselor and parent/guardian, **will review their selected courses prior to the close of the academic year.**

Students and parents/guardians will review major course recommendations and selected electives prior to the close of the school year and may request changes at that time to the selected courses in consultation with the student's school counselor. School counselors, in reviewing a student's course selection, will review the student's academic records and efforts in completing graduation requirements. **Any adjustments to a student's schedule after the close of the school year will only occur due to a review of the end-of-the-year report card grades and student expectations for selected next year courses. Students and their parents/guardians must keep in mind that decisions regarding a choice of electives must be made prior to the close of the school year.**

A student who requests to drop a course after the start of the school year or after the start of the given course (for the spring semester) for academic reasons must take note of the following school policies:

- A request to change course placement or drop a course for academic reasons will require the completion of and the administrative review of a completed **“Parent/Faculty Request for Course/Placement Change”** form.
- **Any requested change in placement for academic reasons requires** a conversation between parent and teacher regarding the requested placement change.
- The “Parent/Faculty Request for Course/Placement Change” form must be completed by the parent, teacher, department chairperson and school counselor prior to the review of the request by administration. **No change in a student’s schedule will take place until the request has been completed in its entirety, reviewed and approved.**

An approved drop of a given course after the first marking period of that course will reflect a “WD” for withdrawal on the student’s transcript.

ENGLISH LANGUAGE ARTS

Honors English 9: Writing From Literature 11109 (1 credit)

Through a broad range of writing assignments, full-class discussions, and small-group activities, students explore themes and issues in literature at and above grade level in a variety of genres: short story, novel, non-fiction, poetry, and drama, with an emphasis on self-directed literary analysis, inferential and abstract thinking, and communication skills. This course also focuses on the development of rigorous vocabulary, spelling, usage, composition, and research skills. Additionally, the course exposes students to literature-based analytical essays and a wide variety of writing types: practical, academic, and creative. Course requirements include one oral presentation. The comprehensive course assessment for this class is a literary response essay on one of the course's core texts. (SLE: A1, A2)

Honors English 10: American Literature 11110 (1 credit)

This course examines American and multicultural voices and themes through historical and contemporary literature at and above grade level in a variety of forms, including short stories, novels, plays, and non-fiction. Instruction focuses on in-depth exploration of literature through critical reading and analysis. Students will examine and practice a variety of writing formats, including self-directed literary analysis and academic research. Expectations for students' writing emphasize coherence and organization, analytical depth, stylistic precision and variety, and documentation. Course requirements include two research papers utilizing MLA format and a minimum of two oral presentations, informative and persuasive. The comprehensive course assessment for this class is a literature-based persuasive composition. (SLE: A1, A2, C5)

AP English Language and Composition (Honors Humanities 11) 11111 (1 credit)

This course is a survey of various genres of European, American, and world literature, supplemented by the study of the fine arts. Though organized generally according to historical chronology, the course focuses on recurring themes that have defined and shaped Western cultural attitudes over the centuries: Order and Balance; Power and Authority; Faith; Humanism; Reason; Nature; Freedom; and Change. Students study classic works in depth through critical reading, creative writing assignments, and rigorous academic writing assignments that emphasize the use and analysis of rhetorical strategies. Students will also become acquainted with and prepared for the rigorous format of the AP Language and Composition exam administered in May. Independent reading is required during the summer and throughout the school year. The comprehensive course assessment for this class is a research-based essay tracing the development of a common theme through three or more of the works studied in the course. (SLE: A1, A2, A4)

AP English Literature and Composition 11112 (1 credit) (Full Year)

This course examines literature as an art form and as an expression of universal themes through diverse cultural voices. In this course students will learn to immerse themselves in challenging works of literature as an aesthetic experience, and to probe literature analytically. The comprehensive course assessment for this class is a fully-documented research essay and presentation on a literary topic.

Students taking this course are eligible for credit in conjunction with the Rhode Island College Early Enrollment Program. Extensive summer reading is required. Prerequisite: Final grade of B- or above in A.P. English Language and Composition 11 or departmental approval. (SLE: A1, A2)

University of Rhode Island Writing 104: Honors Writing to Inform and Explain 11145 (1/2 credit) (1 semester) Grade 12

This course emphasizes the sharing of information, exploring and developing mastery of a range of expository writing strategies for differing audiences and situations. Students will produce writings in a

variety of genres, including narratives, memoirs, profiles, research papers, public letters, and analysis of complex text. The course emphasizes the writing process through real-world, practical writing assignments. **Students taking this course may be eligible for credit in conjunction with the University of Rhode Island. Because this is a college-level concurrent enrollment course, student work will be assessed according to the university's grading policy.** (SLE: A1, A2)

Rhode Island College English 113: Honors Literary Approaches to Drama 11179 (1/2 credit) (1 semester) Grade 12

In this college-level course students will trace the development of drama from Greek through modern times. They will read, discuss, interpret, and analyze award-winning, literary plays of the last century. This course will provide students with information about the playwrights' lives and the historical factors that influenced them. Independent reading is required throughout the semester. The comprehensive course assessment for this class is a fully-documented research assignment. Students taking this course may be eligible for credit in conjunction with the Rhode Island College Early Enrollment Program. (SLE: A1, A2, A4)

**ENGLISH LANGUAGE ARTS ELECTIVES
(Not for English credit)**

AP Art History 11132 (1 credit) (Full Year) Grades 11-12

The study of art history invites students to discover the diversity in and connections among forms of artistic expression throughout history and from around the globe. Students learn about how people have responded to and communicated their experiences through art making by exploring art in its historic and cultural contexts. Students will be welcomed into the global art world as active participants, engaging with its forms and content as they research, discuss, read and write about art, artists, art making, and response to and interpretations of art.

Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.

(SLE: A1, A2, C5)

WORLD LANGUAGES DEPARTMENT

Honors French 2 11221 (1 credit) Grades 9-12

This course further develops skills acquired in French I. Building blocks are provided to allow students to better express personal information and describe familiar routines, recount past events, state future plans and offer opinions. Exploration of the francophone world is expanded to include the Maghreb in Africa, the French Caribbean and French Canada. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

necessary to relate past history and future plans (including hopes, fears); hypothetical situations are raised and discussed. Cultural awareness is expanded through exposure to history, art, literature and francophone contributions to the world. (SLE: A1, A2, C5)

Honors French 3 11231 (1 credit) Grades 11-12

This course continues the development of competencies begun in Honors French I and II. Practice and acquisition of more advanced grammar structures and vocabulary allow students to expand their ability to function in a French-speaking environment. This course reinforces and further develops the skills necessary to relate past history and future plans (including hopes, fears); hypothetical situations are raised and discussed. Cultural awareness is expanded through exposure to history, art, literature and francophone contributions to the world. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

Honors French 4 11243 (1 credit) Grades 11-12

This course continues to develop communicative competency through the study of the history, literature and culture of France and the francophone world. As they practice, refine and expand skills from previous years of study, students are encouraged to make connections between history and current events using personal experience, selected text, and media sources. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

AP French Language and Culture 11241 (1 credit) Grades 11-12

This course meets AP course requirements as established by The College Board. Rigorous, intense grammar and language study prepare students to express themselves competently in more idiomatic French. Students develop communicative competency through extensive language practice in the consideration of the products, practices and perspectives of the francophone world. As they practice, refine and expand skills from previous years of study, students are encouraged to make connections between history and current events using personal experience, selected text, and various media sources. **This course demands a serious commitment to independent work outside of class. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE: A1, A2, C5)

Accelerated Honors Italian 1 and 2 11210 (Grades 9-12)

Two years of Italian are completed in one year (see course descriptions for Italian I and Italian II). It is designed for highly motivated students in all grades who wish to consolidate two years of Italian language learning into one. This will allow incoming freshmen to pursue Level 4 during their senior year. (SLE: A1, A2, C5)

Honors Italian 2 11206 (1 credit) Grades 10-12

This course further develops skills acquired in Italian I. Building blocks are provided to allow students to better express personal information and describe familiar routines, recount past events, state future plans and offer opinions. Cultural awareness is expanded to include such topics as the metric system, art and music, transportation and communication systems. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice

and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

Honors Italian 3 11207 (1 credit) Grades 11-12

This course continues the development of competencies begun in Honors Italian I and II. It reinforces the skills necessary to relate past history and future plans (including hopes, fears, etc.); hypothetical situations are raised and discussed. There is greater exposure to reading materials, including short stories, and newspaper and magazine articles. Students gain summarizing skills in Italian and writing short essays. Exploring comparisons and contrasts between Italy and the United States reinforces cultural awareness. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

Honors Italian 4 11208 (1 credit) Grade 12

This course reinforces the competencies developed over three years of study. The goal for students is to achieve a greater ease in speaking and reading Italian through the consideration and study of literature and current events. Discussion is coupled with grammar review and often culminates in writing. Students must report to the class in Italian about such things as government and politics, modern problems facing Italy and Europe, important people and industry. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. **Students taking this course may be eligible for credit in conjunction with the Rhode Island College Early Enrollment Program.** (SLE: A1, A2, C5)

AP Italian Language and Culture 11209 (1 credit) Grade 11-12

This course meets AP course requirements as established by The College Board. Rigorous, intense grammar and language study prepare students to express themselves competently in more idiomatic Italian. Students develop communicative competency through extensive language practice in the consideration of the products, practices and perspectives of contemporary Italian culture. As they practice, refine and expand skills from previous years of study, students are encouraged to make connections between history and current events using personal experience, selected text, and various media sources. **This course demands a serious commitment to independent work outside of class. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. Students taking this course may be eligible for credit in conjunction with the Rhode Island College Early Enrollment Program.** (SLE: A1, A2, C5)

Honors Spanish 2 11261 (1 credit) Grades 9-12

This course further develops skills acquired in Spanish I. This course further develops the four basic skills of foreign language, listening, speaking, reading and writing to enhance student ability to communicate in a culturally appropriate manner. Building blocks are provided to allow students to better express personal information and describe familiar routines, recount past events, and state future plans. Students will learn to make recommendations, suggestions and give advice. Further exploration of the products and practices of the Hispanic world includes money, pastimes, educational systems,

and ancient cultures. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

Honors Spanish 3 11271 (1 credit) Grades 11-12

This course continues the development of competencies begun in Spanish I and II. Practice and acquisition of more advanced grammar structures and vocabulary allow students to expand their ability to function in a Spanish-speaking environment. This course reinforces and further develops the skills necessary to relate past history and future plans (including hopes, fears); hypothetical situations are raised and discussed. Students explore art, history, literature and technological and cultural developments of the Hispanic world. Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. (SLE: A1, A2, C5)

Honors Spanish 4 11281 (1 credit) Grade 12

This course continues to develop communicative competency while deepening insight into the culture of the Hispanic world. As they practice, refine and expand skills from previous years of study, students are encouraged to make connections between their own culture and that of the Hispanic world. Audio-visual materials are used to improve speaking and critical listening skills. Students will read and discuss selected literary pieces in Spanish that include such topics as realism, magical realism and fantastic literature. Such pieces also include education, social problems, music, arts and crafts, heroism (El mio Cid Campeador) and anti-heroism (Don Quixote). Such topics will be summarized in a final essay (response to literature). Performance indicators in the honors section presuppose a higher level of proficiency than in the regular section. Greater grammatical accuracy, ease of recall and overall fluency are expected and developed through more intense practice and reliance on the student's commitment to study outside of class. These higher expectations are expressed in rubrics and grading practices. **Students taking this course may be eligible for credit in conjunction with the Rhode Island College Early Enrollment Program.** (SLE: A1, A2, C5)

AP Spanish Language 11283 (1 credit) Grades 11-12

This course meets AP course requirements as established by The College Board. Rigorous, intense grammar and language study prepare students to express themselves competently in more idiomatic Spanish. Students develop communicative competency through extensive language practice in the consideration of the products, practices and perspectives of the Spanish-speaking world. As they practice, refine and expand skills from previous years of study, students are encouraged to make connections between history and current events using personal experience, selected text, and various media sources. **This course demands a serious commitment to independent work outside of class. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. Students taking this course may be eligible for credit in conjunction with the Rhode Island College Early Enrollment Program.** (SLE: A1, A2, C5)

MATHEMATICS DEPARTMENT

Honors Geometry 11323 (1 credit) Grade 9

The core concepts of Geometry as outlined in the Common Core State Standards for Mathematics are covered. Abstract geometric concepts are emphasized, enriched and extended. Visualization and reasoning abilities are demonstrated through oral and written communications including formal proofs. Further development of algebra concepts and problem solving, communication, and organizational skills are reinforced. Students will produce evidence of meeting student expectations for their portfolios (SLE: A1)

Prerequisite: Completion of Accelerated Math 8 or Honors Algebra I with proficiency B+ or higher.

Honors Algebra 2 11333 (1 credit) Grade 10

The core concepts of Algebra I are reinforced and extended to include such topics as families of functions, quadratics, trigonometry, complex numbers, conics, linear programming, sequences, series, polynomial functions, logarithms and matrices. Abstract algebra concepts, analysis and applications are emphasized, enriched and extended. Students will demonstrate orally and in writing what they have learned regarding conceptual understanding, problem solving, projects, and skills and communication. Students will produce evidence of meeting student expectations for their portfolios (SLE: A1). **Prerequisite:** Completion of Honors Geometry 11323 with proficiency B+ or higher.

Honors Pre-Calculus 11343 (1 credit) Grade 11

This very rigorous course is appropriate for students who are planning to take Advanced Placement calculus and are considering further education in mathematics, business, science or engineering. It covers topics in advanced algebra, trigonometry, analytic geometry, and an introduction to calculus. Graphing calculators are used to explore mathematical relationships and to solve problems. Students will produce evidence of meeting student expectations for their portfolios (SLE: A1). **Requirement:** Graphing calculator **Prerequisite:** Completion of Honors Algebra 2 11333 with proficiency B+ or higher.

Advanced Placement Statistics 11355 (1 credit) Grade 11-12

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Four broad conceptual themes will be covered: (1) Exploring Data – Describing patterns and departures from patterns, (2) Sampling and Experimentation – Planning and conducting a study, (3) Anticipating Patterns – Exploring random phenomena using probability and simulation, (4) Statistical Inference – Estimating population parameters and testing hypotheses. Writing skills and reading comprehension will be emphasized in order to prepare students for the AP Exam. Students will produce evidence of meeting student expectations for their portfolios (SLE: A1).

Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.

Requirement: Graphing calculator

Prerequisite: Completion of Algebra 2 11332 with proficiency B+ or higher.

Advanced Placement Calculus AB 11354 (1 credit) Grade 12

This course includes the specific topics outlined in the AP Calculus AB program including differentiation and integration of algebraic and trigonometric functions, logarithmic and exponential functions and applications, and plane curves. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of**

school in September. Students will produce evidence of meeting student expectations for their portfolios (SLE: A1). **Requirement:** Graphing calculator **Prerequisite:** Successful completion of Honors Pre-Calculus 11343 with proficiency B+ or higher.

Advanced Placement Calculus BC 11353 (1 credit) Grade 12

This course includes the specific topics outlined in the AP Calculus BC program including differentiation and integration of algebraic and trigonometric functions, logarithmic and exponential functions and applications, plane curves and polar -coordinates, vectors and solid and analytic geometry, infinite series, complex numbers and introduction to differential equations. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** Students will produce evidence of meeting student expectations for their portfolios (SLE: A1). **Requirement:** Graphing calculator **Prerequisite:** Successful completion of Honors Pre-Calculus 11343 with proficiency B+ or higher.

Advanced Placement Computer Science 11368 (1 credit) Grades 9-12

This rigorous course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. It is meant to be an introduction to computer science for a wide, diverse, population of students to learn computational thinking. The course includes the “Big Ideas” of creativity with computing, algorithms, data analysis, and the impacts of computing on society. It is an excellent preparation for a career or college degree program in Computer Science. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. Students will produce evidence of meeting student expectations for their portfolios. (SLE: A1, A3) Students may be eligible to earn 8 credits at the University of Rhode Island for successful completion of this course. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. Successful completion of this course meets the graduation requirement for 1.0 credit in mathematics or a 1.0 credit in Technology – not both.**

SCIENCE DEPARTMENT

Honors Earth and Space Science 11404 (1 credit) Grade 9

This course uses a contemporary approach to the study of Earth and space. Content includes exposure to geology, solar system astronomy, and extra-solar astronomy. Physical science principles are applied throughout the course. Tools and technology are used to increase laboratory skills. Students are required to demonstrate an increased depth of knowledge in the honors level track which includes additional research, essays, and oral presentations. A basic theme is the relevance of earth and space in everyday life. A strong foundation of mathematical concepts and skills is recommended in order to apply higher order mathematical and problem solving techniques to scientific data. Students will have the opportunity to complete portfolio assignments in this course. This course is considered a laboratory science. (SLE: A1, A2)

Honors Biology 11420 (1 credit) Grades 10-12

This course emphasizes the basic principles common to all living things, including how life is similar and related, as well as diverse, through the study of life at a molecular, cellular and organism levels. Information on careers in biology and health sciences is presented. There is a considerable focus on laboratory investigation, scientific writing and problem solving. The course involves using lab data, mathematical computation and analysis. This course meets the Grade Span Expectations for Life Science (GSE's). The purpose of this course is to provide students with an opportunity to practice greater in-depth analysis of Biology concepts. Extensive writing and reading, advanced mathematical calculations and additional inquiry opportunities will provide added rigor. Students will have the opportunity to complete portfolio assignments in this course. This course is recommended for those taking the SAT Subject Test in Biology. This course is considered a laboratory science. (SLE: A1, A2)

AP Biology 11424 (1 credit) Grades 11-12

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course. The course is designed to be taken by students after the successful completion of Honors Biology (with an A or B)/Biology (with an A) and Honors Chemistry (with an A or B)/Chemistry (with an A). Topics to be discussed include: energy transfer, evolution, relationship of structure to function, continuity and change, and regulation. All of these topics fall under the three general areas for the course: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. AP Biology aims to provide a laboratory experience equivalent to that of a typical college course. This course is intended for students who have a strong interest in biology or who are considering a career in Biology. Students will have the opportunity to complete portfolio assignments in this course. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE: A1, A2)

Honors Biotechnology: Laboratory Methods in Molecular Biology and Biotechnology 11428 (1 credit) Grades 11-12

This course provides students interested in pursuing a career in the medical and biological sciences with the basic knowledge and practical laboratory skills needed to construct a solid foundation for smooth transitioning to a university life science curriculum. The rapidly evolving science in the fields of cell and molecular biology is the result of our increasingly detailed understanding of how life works at the level of the molecule and gene. The focus of this course will be laboratory-based instruction in the basic tools and techniques of molecular biology. Students will learn sterile technique, how to make different media and solutions, tissue culture and plant propagation, applied staining protocols, correct use of the laminar flow hood, and statistical analysis of data. In addition, students will participate in

laboratory experiences using essential laboratory technologies such as gel electrophoresis, spectrophotometer assays to quantify protein concentration, restriction enzyme analysis, western blot analysis of proteins, hydrophobic interaction chromatography, enzyme-linked immunosorbent assays to detect antigen and antibody levels, protein purification, transformation of *E. coli* with the green fluorescent protein gene, and PCR (polymerase chain reaction) to locate specific nucleotide sequences within the human genome. Students will have the opportunity to implement the technical skills and knowledge they have acquired by designing, implementing, and evaluating an original research project on a relevant topic. **Successful completion of this course meets the graduation requirement for a .5 credit in technology.** (SLE: A1, A2, A3)

Prerequisite: Completion of or concurrent enrollment in Chemistry 11431 or Honors Chemistry 11432

AP Environmental Science 11458 (1 credit) Grades 11-12

NOTE: This course will be offered in academic years alternately with AP Chemistry 11433 with sufficient enrollment.

The AP Environmental Science course is equivalent to a one-semester introductory college environmental science course. The course is designed to be taken by students after successful completion of Biology and Chemistry. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study such as Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution and Global Change. Students will have the opportunity to complete portfolio assignments in this course. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE A1, A2)

Honors Chemistry 11432 (1 credit) Grades 10-12

This is a laboratory course that meets the standards in preparation for further post-secondary science programs. The program focuses on greater depth and breadth of the concepts covered in Chemistry 431. Emphasis is placed on problem solving, concept building, critical thinking, scientific inquiry, and reasoning skills. These skills are accomplished by means of word problems, application of acceptable methods for solving problems, alternate assessment, and hands-on lab experience. The curriculum employs a strong commitment to an accurate, authoritative and comprehensive view of chemical principles. Topics include properties of matter, atomic theory, chemical reactions, periodicity and the periodic table, stoichiometry, thermochemistry, quantum theory, electron configuration, and chemical bonding. Students will have the opportunity to complete portfolio assignments in this course. A deep understanding of mathematical concepts and skills to apply mathematics in scientific context is strongly recommended for this course. **This course (or Chemistry 11431) is required to participate in the Rhode Island College Early Enrollment Credit Program when followed by enrollment in AP Chemistry 11433. This course meets the Mathematics Common Core State Standards (CCSS) to be considered a fourth year of mathematics.** This course is considered a laboratory science. (SLE: A1, A2, A3)

Prerequisite: Successful completion of Honors Biology 11420 with an A or B (or Biology 11421 with an A).

AP Chemistry 11433 (1 credit) Grades 11-12

NOTE: This course will be offered in academic years alternately with AP Environmental Science 11458 with sufficient enrollment.

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students in this course will attain a depth of understanding of fundamentals and reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics to be discussed are: the kinetic-molecular theory, liquids, solids and solutions, acid-base reactions and buffer systems, oxidation-reduction reactions, equilibrium, kinetics and thermodynamics, and organic chemistry. AP Chemistry aims to provide a laboratory experience equivalent to that of a typical college course. This class is intended for students who have a strong interest in chemistry or are considering a career in the medical field, biology or engineering. Students will have the opportunity to complete portfolio assignments in this course. A college text is used in this course and this course is considered a laboratory science, as well. **Students taking this course are eligible for college credit in conjunction with the Rhode Island College Early Enrollment Program. This course meets the Mathematics Common Core State Standards (CCSS) to be considered a fourth year of mathematics. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE: A1, A2, A3)

Prerequisite: Successful completion of Chemistry 11431 or Honors Chemistry 11432 and Algebra II 11332 or Honors Algebra II 11333

Honors Physics 11446 (1 credit) Grades 11-12

The fundamental goal of the course is to provide a mathematical and conceptual understanding of physics concepts. The program emphasizes the development of mathematical problem solving skills, along with laboratory techniques and computer skills. A strong background in algebra, geometry and introductory trigonometry is required. The course covers structure and function of matter, motion, forces, energy conservation and transfer, momentum, torque and power. Students will have the opportunity to complete portfolio assignments in this course. A final culmination of this course requires that students identify, manage, and carry out a curriculum-encompassing engineering project. **This course is considered a laboratory science. This course meets the Mathematics Common Core State Standards (CCSS) to be considered a fourth year of mathematics.**

Prerequisite: Successful completion of Algebra II 11332 or Honors Algebra II 11333 is required.

AP Physics 1 11445 (1 credit) Grades 11-12

This introductory course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. It is the appropriate course selection for those students anticipating a university curriculum where science or technology might be considered. The fundamental goal of this course is to provide a conceptualization of the physical environment and utilizes a university text. Students will develop concepts in basic physics, but there is emphasis on mathematical problem solving skills and laboratory techniques. An integrated knowledge of algebra, geometry, and trigonometry is required. Students will have the opportunity to complete portfolio assignments in this course. A final culmination of this course requires that students identify, manage, and carry out a curriculum – encompassing engineering project. Successful completion of the course is required for future enrollment in AP Physics 2. This course is considered a laboratory science. **This course is required to participate in the Rhode Island College Early Enrollment Credit Program when followed by enrollment in AP Physics 2**

11444. This course meets the Mathematics Common Core State Standards (CCSS) to be considered a fourth year of mathematics. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. Prerequisite: Successful completion of Algebra II 11332 or Honors Algebra II 11333 and concurrent enrollment in Honors Pre-Calculus 11343 or a more advanced mathematics course is required. Due to the sequential nature of the AP Physics courses, preference will be given to juniors who require this course as a prerequisite to taking AP Physics 2 11444.

AP Physics 2 11444 (1 credit) Grade 12

This advanced course considers traditional topics in physics beyond those in AP Physics 1 (11445) and represents a preparation targeted for further study in the physical sciences or in engineering at the university level. The fundamental goal of the course is to provide a further conceptualization of the physical environment. While still algebra-based, this course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Mathematical analysis of situations and problem solving are heavily stressed, and laboratory design techniques supplement this goal. A working knowledge of introductory calculus is important for success in this program. Students will have the opportunity to complete portfolio assignments in this course. This is a college program course, and students are expected to manage their own portfolios, final course projects, and their year-long performance. This course is considered a laboratory science. **This course meets the Mathematics Common Core State Standards (CCSS) to be considered a fourth year of mathematics. Students taking this course are eligible for college credit in conjunction with the Rhode Island College Early Enrollment Program. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.**

Prerequisite: Completion of AP Physics 1 11445 and concurrent enrollment in Calculus 11352, AP Calculus AB 11354 or AP Calculus BC 11353.

AP Physics C 11443 (1 credit) Grade 12

This course is a calculus-based course, which follows the AP Physics 1 course (11445). This course represents preparation targeted for further study in the physical sciences or in engineering at the university level. The fundamental goal of the course is to provide a further conceptualization of the physical environment. Each semester is equivalent to a one-semester, calculus-based, college-level physics course. The first semester of the course covers mechanics; the second semester of the course covers electricity and magnetism. Mathematical analysis of situations and problem solving are heavily stressed, and laboratory design techniques supplement this goal. Introductory differential and integral calculus is used throughout this program. Students will have the opportunity to complete portfolio assignments in this course. This is a college program course, and students are expected to manage their own portfolios, final course projects, and their year-long performance. This course is considered a laboratory science. **This course meets the Mathematics Common Core State Standards (CCSS) to be considered a fourth year of mathematics. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.**

Prerequisite: Successful completion of AP Physics 1 11445 and concurrent enrollment in AP Calculus AB 11354, or AP Calculus BC 11353.

SOCIAL STUDIES DEPARTMENT

Honors Western Civilization 11501 (1 credit) Grades 9-12

This course will cover the same material as Western Civilization; however, students in this course will be expected to do more in-depth analysis of historical events/documents. **Additionally, the focus will be on extensive writing, research and critical presentation.** (SLE: A1, A2, C5, C6, S7)

Prerequisite: Students must meet all placement criteria.

AP European History 11505 (1 credit) Grades 10-12

This course reflects the content of an introductory college course in European History as outlined by the Advanced Placement program. AP European History focuses on developing students' abilities to think conceptually about European history from approximately 1450-the present and apply historical thinking skills as they learn about the past. Five themes of equal importance-Interaction of Europe and the World, Poverty and Prosperity, Objective Knowledge and Subjective Visions, States and Other Institutions of Power, and Individual and Society-provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. (SLE: A1, A2, C5, C6, S7)

Prerequisite: Successful completion of Honors Western Civilization or Western Civilization.

Honors Global Studies 11520 (1 credit) Grades 10-12

This course is designed to give students an overview of the world's major cultural regions - Europe, Sub-Saharan Africa, South and East Asia, Latin America and the Middle East. Material pertaining to historical, geographical, social and political issues will be covered. Current events, focusing on modern day problems and global interdependence, are emphasized. Students are required to develop their oral and written skills through discussion, projects or reports and successfully participate in class debates and presentations. Students will have the opportunity to participate in Honors International Relations activities. (SLE: A1, A2, C5, C6, S7)

Prerequisite: Successful completion of Honors Western Civilization or Western Civilization.

AP United States History 11540 (1 credit) Grades 11-12

This course reflects the content of an introductory college course in U.S. History as outlined by the Advanced Placement program. It is designed to provide students with the analytical skills and factual knowledge necessary to critically analyze the problems and materials in U.S. History. Students will assess historical materials and analyze the evidence and interpretations presented in historical scholarship. The major themes include American diversity and identity, culture, demographic changes, economic transformations, environment, globalization, politics and citizenship, reform, religion, slavery, war and diplomacy. **Students are responsible for completing a summer reading assignment.**

Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. (SLE: A1, A2, C5, C6, S7)

Prerequisite: Two credits in Social Studies.

Honors International Relations 11580 (1 credit) Grade 12

This course is devoted to a survey of the contemporary international community and will examine political, environmental, economic and military affairs around the world. Students will research these areas and debate in simulations and examine problem-solving practices for dealing with complex issues. All students will serve as a steering committee for The Institute for Public Policy Research and Discourse and develop a series of lectures and expert panel discussions throughout the second semester. (SLE: A1, A2, C5, C6, S7)

Prerequisite: Successful completion of Global Studies or Honors Global Studies.

AP Macroeconomics 11569 (1 credit) Grades 11-12

This course reflects the content of an introductory college course in Macroeconomics as outlined by the Advanced Placement program. The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE: A1, A2, C5, C6, S7)

Prerequisite: Two credits in Social Studies.

AP Human Geography 11548 (1 credit) Grades 11-12

AP Human Geography presents high school students with the curriculum equivalent of an introductory college level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the discipline's main subfields; economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns interaction. **Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE: A1, A2, C5, C6, S7)

Prerequisite: Two credits in Social Studies.

AP Psychology 11556 (1 credit) Grades 11-12

This course reflects the content of an introductory college course in Psychology as outlined by the College Board Advanced Placement program. AP Psychology is an introduction to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. **Students are responsible for completing a summer reading assignment. Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September.** (SLE: A1, A2, C5, C6, S7)

Prerequisite: Two credits in Social Studies.

APPLIED LEARNING DEPARTMENT

BUSINESS AND COMPUTER STUDIES

Business Computing Applications 11624 (1/2 credit) (1 semester) Grades 11-12

Students will utilize Microsoft and Google based software to create assignments that are specifically designed to benefit the student for post-secondary applications and careers after graduation. The course incorporates the use of Microsoft Office 2013 and Google Apps, allowing students to learn digital literacy/citizenship, how to organize and manage files, and the use of the internet as a research tool. Students will learn to utilize and apply these universal computer skills for communication, analysis, problem solving, decision making, and sharing information, with exposure to cloud-based applications. This course provides numerous opportunities to complete portfolio assignments. **Students taking this course are eligible for college credit through the University of Rhode Island in (BUS 110). Successful completion of this course meets the graduation requirement for a .5 credit in technology for students graduating in 2018 and 2019. (SLE: A1, A3)**

BUSINESS

Financial Accounting- Accounting II 11630 (1/2 credit) (1 semester) Grade 11-12 only

This course will introduce the basic concepts and systems used in financial accounting for business organizations; students who have completed Accounting I are eligible. A college textbook is used and the material covered includes financial statements, merchandise inventory, receivables, payables, cash controls, payroll, stockholders equity, and exposure to automated accounting systems, Quickbooks (Intuit). The course is appropriate for those students who plan to continue the study of accounting or business on the college level, or plan to enter other professions such as law, engineering, or medicine and need an understanding of the principles of accounting. **Students taking this course are eligible to earn college credit through the University of Rhode Island in (BUS 201). Successful completion of this course meets the graduation requirement for a .5 credit in technology for students graduating in 2018 and 2019.**

Prerequisite- Accounting 1 -11602

Introduction to Business 11650 (1/2 credit) (1 semester) Grades 11-12

If you want to understand the business world and be a success, this is the course for you. This course covers the topics of a college level Introduction to Business course and a college text is used. Students will develop a working knowledge of the major aspects of business—organizing, managing, marketing, finance, economics, and entrepreneurship. Students engage in a variety of group projects and presentations, study the parts of a business plan, and track stocks. This course provides numerous opportunities for students to complete portfolio assignments. **Students taking this course are eligible to earn college credit through the University of Rhode Island in (BUS 140). (SLE: A1, A3, C6)**

TECHNICAL EDUCATION

Introduction to Engineering and Technology 11840 (1 credit) Grade 11-12

This course introduces students to various tools and problem-solving skills common to most fields of engineering and technology. It emphasizes developing both individual critical thinking and collaborative problem-solving skills, essential in today's world of technology. Students learn the basics of the engineering design of product design, testing and evaluation. In teams, students apply this process to complete a project that involves practical problem solving, computer simulation and physical product fabrication. To assist in the project analysis, documentation and presentation, students develop skills with spreadsheets, word processing and presentation software. **Students taking this course may be eligible for college credits through the Community College of Rhode Island. Successful completion of this course meets the graduation requirement for a .5 credit in technology for students graduating in 2018 and 2019.** (SLE: A1, A3)

FINE ARTS

VISUAL ARTS

AP Studio Art: Drawing 11925 (1 credit) Grade 12

This rigorous course is designed for the highly motivated student who is seriously interested in the practice of art and is ready for challenges beyond the secondary school level. The course reflects high quality art making, concentration in particular area of choice, and breadth of experience. The student will be expected to put in many hours of work outside the regularly scheduled class period.

Students who enroll in this AP course are required to complete the appropriate AP exam in May. Payment for the exam will be required during the first weeks of school in September. Students taking this course may also be eligible for credit in conjunction with the Rhode Island College Early Enrollment Program. This course meets the requirement for .5 credit in Fine Arts. (SLE: A4)

Prerequisite: A in Art III: Drawing 11916

There is required summer drawing assignments that must be completed to be in this course.

MUSIC

HONORS MUSIC

Honors Level Requirements for Band/Jazz/String Ensemble & Symphony Orchestra Classes:

Students in the above classes may elect to receive Honors Level Credit. The requirements for Honors Credit are listed below:

Students are expected to participate in approved functions of the school, town, and state. In addition to all rehearsals, concerts, and functions, students must complete the following:

1. Audition for RIMEA All-State or perform at the RIMEA Solo & ensemble Festival.
2. Submit one concert review paper per semester
3. Participate in one extra-curricular performance to be approved/assigned by the instructor.

All requests for enrollment in this course and the earning of Honors/weighted credit must be submitted and completed by the September deadline as outlined yearly in the South Kingstown High School Music Department Handbook.