

**WARWICK PUBLIC SCHOOLS
PROGRAM OF STUDY
SENIOR HIGH SCHOOLS
2016-2017**



Table of Contents

Part I: General Information

Policy of Non-discrimination	3
Policy of Student Sexual Harassment	3
Graduation by Proficiency.....	4
Warwick Diploma System	4
Academic Expectations for Student Learning	8
Course of Study	9
Subjects Required for Graduation	9
Proficiency in the Core Subjects, Technology, and the Arts	10
Promotional Regulations.....	11
Report Cards	12
Grading System	12
Honor Roll.....	13
Honors Program	14
Early Enrollment Program.....	14
Advanced Placement.....	15
Special Reports	15
Special Help and Makeup of Work Missed	15
Summer School	15
Counseling Services	16
Parent-Teacher Conferences	16
Working Papers	16
Scholarships and Awards	16

Part II: Course Descriptions

Quick Course Reference.....	17
AP and EEP Courses.....	29
Business Education	31
English	36
Health and Family Life	43
Mathematics.....	44
Modern World Languages.....	49
Music	55
Physical Education.....	60
Science	62
Social Studies	69
Technology Education	74
Visual Arts - Fine Arts	81

PART III: WARWICK AREA CAREER AND TECHNICAL PROGRAMS

Courses of Study	85
------------------------	----

The handbook is designed to assist parents in understanding the Senior high school program of study. For more information about a specific course, parents should contact the department head concerned. *All contents of this Program of Study are subject to change based on modifications to policy, courses, etc.*

POLICY OF NON-DISCRIMINATION

It is the policy of the Warwick Public Schools not to discriminate on the basis of age, sex, race, religion, national origin, color, handicap or sexual orientation in its educational programs, activities, and employment practices in accordance with applicable laws and regulations. Additionally, the lack of English Language skills of national origin minority persons will not be a barrier to admission and participation in vocational education programs.

Inquiries regarding compliance with laws related to sex discrimination may be directed to the Director of Human Resources and Compliance, Warwick School Administration Building, 34 Warwick Lake Avenue, Warwick, RI 02889, telephone 734-3000.

Inquiries related to handicapped accessibility may be directed to the Office of Student Services, Warwick School Administration Building, 34 Warwick Lake Avenue, Warwick, RI 02889, telephone 734-3050. Any questions related to equal educational and employment opportunity may also be directed to the Director of the Office of Equity & Access, Rhode Island Department of Education, 255 Westminster Street, Shepherd Building, Providence, RI 02903, telephone 277-4600 or to the United States Office of Civil Rights, Post Office Square, Boston, MA 02107, telephone (617) 223-4405.

STUDENT SEXUAL HARASSMENT

Unwelcome sexual advances, requests for sexual favors and other verbal and physical conduct of a sexual nature constitute sexual harassment when such conduct unreasonably interferes with school performance or creates an intimidating, hostile or offensive school environment.

Students are protected from sexual harassment under the provisions of Title IX, since courts have found sexual harassment to be a form of sex discrimination. If sexual harassment involves a minor student in a school setting, it can also be considered a criminal offense under laws relating to child abuse.

What one person may consider acceptable behavior may be viewed as sexual harassment by another person. Therefore, in order to protect the rights of both parties it is important that the victim make it clear to the harasser that the behavior is bothering him or her.

Any student who believes he/she has been the subject of sexual harassment is strongly encouraged to report the offensive behavior to his/her teacher, the principal or the assistant principal. If a complaint involves a staff member, it will be reported by the principal to the Grievance Committee Chair.

Reports of sexual harassment will be kept confidential except to the extent necessary to conduct a review of the facts involving as few people as possible with the goal of protecting both parties and stopping the behavior.

Upon receiving a complaint of information of possible student sexual harassment the principal or assistant principal in charge will fully investigate the matter. The student involved will be given an opportunity to fully explain his/her side of the story. If there is evidence that a student has committed an act of sexual harassment, appropriate disciplinary action will be taken.

GRADUATION BY PROFICIENCY

MISSION STATEMENT

The mission of Graduation by Proficiency is to enable students to possess the competence and personal character to compete in a global economy by providing equitable opportunities and offering a rigorous curriculum incorporating applied learning skills.

WARWICK DIPLOMA SYSTEM (IKFA) *In process of being updated

The Warwick school committee recognizes that The Rhode Island High School Diploma system requires students to demonstrate a minimum level of proficiency in order to receive a Regent's endorsed diploma.

The Warwick diploma system shall use multiple criteria to determine student proficiency. The components of the Warwick diploma system shall consist of the following:

1. Carnegie unit course work
2. State Assessment
3. Graduation Portfolio
4. Senior Exhibition Project

The following descriptions detail the requirements in each of the four components:

1. CARNEGIE PROMOTIONAL REQUIREMENTS

22 Carnegie Units

- English (4)*
- Mathematics (3+1) * – *fourth year can be an approved mathematical related course*
- Science (3)*
- Social Studies (3)*
- Fine Arts (1)*
- Technology (1)*
- Physical Education/Health (2)

(*) Students must demonstrate proficiency in the six core areas. The criteria for demonstrating proficiency in the six core areas shall be defined through district developed criteria and further detailed in proficiency documents.

2. STATE ASSESSMENTS

Students are required to participate in all state assessments and meet all proficiency level requirements set by the Board of Regents. Students not meeting the minimum requirements will be afforded additional testing opportunities and/or district/school level supports.

WAIVER OF STATE ASSESSMENT

The 2011 Secondary Regulations articulate the conditions under which a waiver from the state assessment graduation requirement may be granted.

L-6-3.3 If a student is unable to demonstrate graduation readiness through the state assessment or Regents-approved testing alternative, the student may apply to his or her LEA for a waiver of the state assessment portion of the graduation requirements. LEAs are authorized to grant waivers from the state assessment requirement set forth in this section only in those rare cases in which the state assessment is not a valid means of determining the proficiency of individual students. Waiver eligibility will be considered only for those students for whom: (1) there is a preponderance of evidence of academic content mastery consistent with 6-3.0 of these regulations and (2) the student has completed the sequence of testing requirements set forth in this section.

The Warwick School Department is the decision-making body for waivers exempting Pilgrim, Toll Gate or Warwick Veterans students from the state assessment diploma requirement.

The Warwick School Department is authorized to grant waivers in appropriate cases, and through the adoption of this policy hereby establishes a local process that ensures a fair, efficient and accurate review of waiver applications. The Superintendent (or designee) is hereby charged with decision-making authority for granting waivers.

The Warwick School Department commits to be proactive in monitoring a student's eligibility for a waiver and, when appropriate, support the compilation of evidence needed for a waiver.

Requests for a waiver will be made to the building principal and will be accepted between the first day of the fourth quarter and June 1 of the year in which a student is scheduled to graduate. Once the waiver request has been received by the school principal, he/she will call a meeting of the District-based Appeals Committee in order to schedule a date for the presentation of evidence. The following must occur prior to submission of a request for a waiver:

- The student must have made a serious attempt on the state assessment as juniors and at least once during their senior year.
- The student must have made a serious attempt on a RIDE-approved alternate assessment.
- The student must have actively and willingly participated in intervention activities.
- The student must have successfully completed his/her Graduation Portfolio and Senior Project.
- The student must be on track to meet all course and credit requirements.
- Where appropriate, there must be a documented pattern of discrepancy between his/her demonstrated level of proficiency and their performance on standardized assessments.

When requesting a waiver to the Warwick School Department and statewide assessment requirement, the student will compile evidence which he/she must present to the District-based Appeals Committee. While

Warwick Public Schools High School Program of Studies 2016-2017

school staff may support the student in the collection and organization of evidence, the compilation and presentation of evidence to the Appeals Committee are ultimately the responsibility of the student. No one piece or type of evidence is sufficient to demonstrate “partial proficiency.” The following table provides some examples of eligible and ineligible evidence.

Examples of Eligible Evidence	Examples of Ineligible Evidence
Passing grades on major course assessments	Passing grades in junior high school classes
Passing grades in required courses	Letters of recommendation
Passing grades on performance tasks	Attendance records
Passing grades in courses taken off-site or virtually	Number of earned credits
Passing grades on portfolio-worthy tasks that are aligned to the grade 9-10 grade level standards	Performance in courses below the 9-10 grade level standards
Outside activities /projects aligned to the grade 9-10 grade level standards	Outside activities unrelated to the testing domain

*** Accommodations may be provided so long as content is not modified.

*** Evidence will be maintained for one year; the Statewide Assessment Waiver Request Form will be maintained for five years.

*** Students and their families retain the right to appeal the decision regarding the state assessment component of the high school diploma requirements.

3. GRADUATION PORTFOLIO

The portfolio is a compilation of student work collected over time that demonstrates proficiency of Warwick District Academic Expectations for Learning. It is a sampling of best work and demonstrates growth over time. It requires formative and summative reflection and a final evaluation and approval. Portfolio minimum required entries will be defined by the District Graduation by Proficiency Committee.

4. SENIOR EXHIBITION PROJECT

The year-long work may begin, with approval, in fourth quarter of junior year and culminate in an exhibition before a panel of judges in senior year. Details of the specific requirements and timelines for this project may be found in a district approved Senior Exhibition Project Handbook.

APPEALS

A student may appeal a decision related to any component of the graduation requirements or issuance of a diploma. School level personnel may appeal on a student’s behalf. Appeals are made first to the School-Based Appeals Committee (SBAC). Students must submit a written request for appeal within ten (10)

school days following initial notice of deficiency. The SBAC must convene a hearing within ten (10) school days upon receipt of request for appeal. The SBAC shall notify the appellant of its decision no later than five (5) days after convening on the appellant's request. If the student is dissatisfied with the SBAC's decision, he/she may appeal to the District-Based Appeals Committee within five (5) school days after receiving the school-based committee's decision. The committee shall notify the appellant of its final decision in writing no later than five (5) days following the hearing. All decisions of the District-Based Appeals Committee are final at the district level. The student retains any and all rights that he or she may have to appeal the district's decision to the Rhode Island Commissioner of Elementary and Secondary Education.

The committee's composition is as follows:

School-Based Appeals Committee:

Participants include:

- Principal or Designee
- School Graduation By Proficiency (GBP) Coordinator
- Committee Chair (Building-level teacher)
- Subject/Department Area Teachers
- Guidance Counselor

District-Based Appeals Committee:

Participants include:

- High School Principals/CTC Director
- Superintendent or designee
- Content Area Supervisors
- School Committee Member
- School-based GBP Coordinator
- Technology Applications, Assessment Coordinator (Chair)
- Parent

ACCOMMODATIONS

All students with Individualized Education Plans (IEP's), 504 Accommodation Plans, and Personal Literacy Plans (PLP's) shall be provided accommodations as directed by his/her plan. The school-based IEP team or 504 team will convene as necessary to review a student with disabilities progress/achievement on any component of the diploma system.

TRANSFER STUDENTS

All high school students who transfer into a Warwick public high school must meet the Warwick Schools diploma system requirements. The school guidance department shall have initial responsibility for reviewing student transcripts, state assessment results, and other measures of student performance. If necessary, the School-Based appeals Committee shall convene to review and make a determination of which components shall be accepted for use towards a Warwick diploma and determine which

Warwick Public Schools High School Program of Studies 2016-2017

requirements still need to be fulfilled. A transfer student may appeal the decision of the SBAC and shall follow the same guidelines set forth in the appeals process previously detailed. All decisions of the District-Based appeals Committee are final at the district level. The student retains any and all rights that he or she may have to appeal the district’s decision to the Rhode Island Commissioner of Elementary and Secondary Education.

It is the intention of the Warwick School committee to comply with all state and federal and regulations. To the extent that said laws or regulations and modified or adopted after the passage of this policy, those amendments and/or modifications and/or adoptions must be followed.

ACADEMIC EXPECTATIONS FOR STUDENT LEARNING

A.E. No.	Warwick Public Schools District Academic Expectations (A.E.) for Learning	Applied Learning Standard
	Communicates and collaborates effectively via speaking, reading, and writing by:	
1.1	Speaking articulately and coherently for a variety of purposes and audiences	Communication
1.2	Reading widely and critically for comprehension	Critical Thinking
1.3	Writing clearly so that the thesis/topic, content, organization and style are appropriate to the assignment	Communication Research
1.4	Collaborating with others to improve on a task or project.	Collaboration
	Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematic, and technological skills by:	
2.1	Identifying and describing a specific problem and selecting a feasible strategy	Problem Solving
2.2	Collecting, interpreting, organizing, analyzing, and utilizing data to arrive at effective solutions relevant to the real world	Problem Solving
2.3	Communicating ideas and information using content specific vocabulary	Communication
2.4	Reflecting on areas for improvement and making suggestions on how to improve	Reflection & Evaluation
	Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts by:	
3.1	Analyzing and explaining democratic, economic, and social principles and practices to expand awareness and develop actions	Communication Critical Thinking Problem Solving Research

Warwick Public Schools High School Program of Studies 2016-2017

3.2	Utilizing historical and contemporary evidence to formulate positions and demonstrate an understanding of current issues	Communication Critical Thinking Problem Solving Research
3.3	Demonstrating a thorough understanding of various concepts, skills and creative expressions related to the arts	Communication Critical Thinking Problem Solving
	Demonstrates the appropriate and relevant use of technology by:	
4.1	Using various technology and/or digital media including the internet to research and/or express information to show and/or enhance understanding	Communication Problem Solving Research
4.2	Using technology to locate, gather, organize, and communicate information	Communication Problem Solving Research
	Demonstrate positive health habits, including physical exercise, in order to enhance physical and emotional well being by:	
5.1	Understanding and practicing the concepts related to health promotion and disease prevention as a foundation of healthy life	Reflection & Evaluation

COURSE OF STUDY

All students will be offered opportunities to learn rigorous and relevant coursework that provides them with the knowledge and skills to be successful in school, life, and work thereby educating them for secondary and post-secondary transition. **All courses have been aligned to the performance based graduation academic expectations and are identified below each course description.**

SUBJECTS REQUIRED FOR GRADUATION

Subject and Credit Requirements for All Students: Any student who does not have the required number of credits needed to graduate will not receive their Warwick high school diploma. *In Process of Being Updated

Standard Program: Required courses, electives, and credits

Subjects	Credits	Required Courses and Sequence
English	4	English 1 (Yr. 1), English 2 (Yr. 2), English 3 (Yr. 3), & English 4 (Yr. 4)
Mathematics	4 (3+1)	Algebra I (Yr. 1), Geometry (Yr. 2), Algebra 2 (Yr. 3)
Science	3	Biology (Yr. 1), Chemistry (Yr. 2), Physics (Yr. 3)
Social Studies	3	U.S. (Yr. 1), World (Yr. 2), Civics(Flexible)
Phys. Ed./Health	2	Phys. Ed./Health 1 Phys. Ed./Health 2 Phys. Ed./Health 3 Phys. Ed./Health 4
Technology	1	Digital Tools (Yr. 1)
Fine Arts (Music & Visual Arts)	1	1 full credit of either music or visual arts

Electives	4	
Business		
Modern World Languages		
Technology Education		

Students must pass required courses. Honors sequencing may vary.
Some colleges may have other specific requirements. (See your guidance counselor)

PROFICIENCY IN THE CORE SUBJECTS, TECHNOLOGY, AND THE ARTS

Proficiency is the ability to demonstrate common core literacy skills in all subjects. Teachers of each subject are responsible for presenting the Common Core literacy standards and supporting the Common Core State Standards that naturally fit in their subject matter.

Students will demonstrate proficiency in reading by:

Identifying key ideas and details
 Determining the author's craft and structure
 Integrating knowledge and ideas
 Reading at appropriate text complexity

Students will demonstrate proficiency in writing by:

Creating various texts types and purposes
 Producing and distributing/sharing
 Conducting research in order to build and present knowledge
 Writing routinely at various timed intervals

Students will demonstrate proficiency in speaking and listening by:

Comprehending and collaborating
 Presenting knowledge and ideas

Students will demonstrate proficiency in language by:

Using proper conventions of Standard English
 Demonstrating knowledge of language
 Acquiring and using vocabulary

Students will demonstrate proficiency in math by applying and using Common Core State Standards (CCSS) mathematical practices of:

- 1 Make sense of problems and persevere in solving them.
- 2 Reason abstractly and quantitatively.
- 3 Construct viable arguments and critique the reasoning of others.
- 4 Model with mathematics.

- 5 Use appropriate tools strategically.
- 6 Attend to precision.
- 7 Look for and make use of structure.
- 8 Look for and express regularity in repeated reasoning.

Students will demonstrate proficiency in technology by ethically using/applying the following:

Research
Create presentations
Digitally communicate
Compose
Collect, analyze, and present data
Digitally organize and store work
Use simulations
Access and use digital resources

Students will demonstrate proficiency in the arts by using/applying the following:

Artistic processes
Cultural contexts
Communication
Aesthetic judgment

PROMOTIONAL REGULATIONS

File: IKE-R

Credit Requirements for Promotion to Grades 10, 11, 12 and Graduation

Promotion to:

- a. Grade 10 4.75
- b. Grade 11 9.50
- c. Grade 12 15.25
- d. Graduation 22.00

Students who fail more than two credits in non-required subjects in their senior year will not be eligible to participate in graduation ceremonies.

Note:

Warwick Public Schools High School Program of Studies 2016-2017

1. One credit is accrued for a subject that meets at least six times during a seven day cycle for a year.
2. In order to graduate a student must not only attain the minimum number of credits above, but must also complete the required subjects listed in IKF-R as well as the requirements set forth in policy IKFA.
3. Students who fail a required course may make up the failure in summer school or in an approved tutoring program. (Refer to Summer School Policy IGCA)
4. 1.125 credits are accrued for physical education for grades 9, 10, 11, and 12. 0.875 credit is accrued for health and family life for grades 9, 10, 11 and 12.
5. Credits in physical education electives cannot replace the **required** physical education/health credits.
6. If a failure in physical education or health & family life occurs, the student may make up the failure in summer school or in an approved tutoring program.

REPORT CARDS

Student report cards shall be distributed at the end of each quarter. Letter grades shall be used to designate a student's academic progress. Comments relating to conduct, attitude, work habits and skills shall also be printed on the report card for each subject area. Grades shall be cumulative from the beginning of the academic year to its end.

Interim Reports are completed by teachers midway through each quarter

GRADING SYSTEM

Secondary Grading

Letter grades shall be used to designate a student's academic progress. Grades shall be cumulative from the beginning of the academic year. **Marks given by a teacher shall not be changed except for a clear valid and objective reason and not without consulting with the teacher.**

A+	97-100	D	65-69
A	93-96	D-	Capacity Grade (<u>Final grade only</u>)
A-	90-92	F	Failing
B+	87-89	I	Incomplete**
B	83-86	N	No Mark
B-	80-82	W	Withdrawn
C+	77-79	S	Satisfactory
C	73-76	U	Unsatisfactory
C-	70-72		

Warwick Public Schools High School Program of Studies 2016-2017

Habits and attitudes shall be reported for each subject. While a minimum of one comment and a maximum of three comments for each grade shall be required, teachers are encouraged to use at least two comments. A list of valid comments shall be provided to each teacher.

** Incomplete grade MUST be changed to a letter grade within ten (10) days of the end of the marking period or an “N” by the end of the school year. Extensions may be approved by the school’s principal.

The classroom teacher shall determine the cumulative grade in the following manner:

Senior High School

1st Quarter Cumulative = 1st Quarter Grade

2nd Quarter Cumulative = $(2*Q1 + 2*Q2 + MT) / 5$

3rd Quarter Cumulative = $(3*Q1 + 3*Q2 + 3*Q3 + MT) / 10$

4th Quarter Cumulative = $(2*Q1 + 2*Q2 + 2*Q3 + 2*Q4 + MT + FE) / 10$

HONOR ROLL

Weighted Subject Grade Points

Point values shall be assigned to subjects and used in weighted grade point averages.

Grade	Regular Subjects	Honor Subjects	EEP	AP
A+	4.3	4.8	5.0	5.3
A	4	4.5	4.7	5
A-	3.7	4.2	4.4	4.7
B+	3.3	3.8	4.0	4.3
B	3	3.5	3.7	4
B-	2.7	3.2	3.4	3.7
C+	2.3	2.8	3.0	3.3
C	2	2.5	2.7	3
C-	1.5	2	2.2	2.5
D	1	1.5	1.7	2
D-	0.5	1	1.2	1.5
F	0	0	0	0

1. Honor roll will be determined by quarterly grade rank, and RI and National Honor Society membership.
2. Quarterly GPA, not cumulative GPA, would be noted on the report card.

Warwick Public Schools High School Program of Studies 2016-2017

3. Premium points for honors, AP subjects apply to the calculation of everything – honor roll, high honor roll, class rank, RI honor Society, National Honor Society.
4. There will be no rounding of GPA when determining honor roll, high honor roll, class rank, RI Honor Society and National Honor Society. For example, students would need a 3.700 to make National Honor Society; a 3.699 would not qualify.
5. Weighted GPA and weighted class rank on a 4.0 scale would be reported on the common application regarding college applications.
6. National Honor Society requirements:
 - Consistent community service grades 9 through first semester of grade 11
 - In order to maintain membership after induction into the National Honor Society, the following criteria must be met:
 - Fifteen hours of community service
 - Five hours of peer tutoring
 - Remain in good standing associated with the core values of a National Honor Society Member.
 - There will be no senior eligibility for National Honor Society membership. Students can only be inducted in grade 11.
 - A Faculty Interview Committee would determine eligibility for National Honor Society Membership based on GPA, community service, character and leadership.

*Note: Premium points for honors/EEP/AP subjects apply to grades 7 – 12 for calculation of honor societies, class rank, and honor roll. Calculation of honor societies, eligibility and class rank will be based on cumulative GPA and as further defined in regulations IKC-R and IGCCA-R.

** Note: Students who do not take the AP exam will receive Honors Subjects points

HONORS PROGRAM

Students in honors classes required for graduation are expected to maintain at least a B- as a final grade in order to continue in the next advanced course. Students are eligible to enter a High School Honors class from a non-honors class when they have attained an A- or above in the non-honors class and/or have their teacher's recommendation.

Students who receive a D grade in an honors course may exit the course at the end of that semester. Students who want to remain must have their teacher's recommendation to do so. The principal will determine the student's appropriate placement.

EARLY ENROLLMENT PROGRAM

Early enrollment program (EEP) courses are college level courses designed for high school students who want to receive early college credits through Rhode Island College. Early enrollment program teachers are required to be trained in the appropriate curriculum in order to teach these courses, and have little flexibility regarding topics taught. The Warwick Public Schools offers early enrollment program courses in the following subjects: ENGLISH, MATHEMATICS, SCIENCE, SOCIAL STUDIES, FOREIGN LANGUAGE, and TECHNOLOGY EDUCATION. A fee is required for all EEP courses to obtain the college credits.

ADVANCED PLACEMENT PROGRAM

Advanced placement (AP) courses are advanced, rigorous courses designed for high school students who possess scholarly ability and excellent study skills. Advanced Placement teachers are required to be trained in the appropriate curriculum in order to teach these courses, and have little flexibility regarding topics taught. The Warwick Public Schools offers advanced placement courses in the following subjects: ART, ENGLISH, MATHEMATICS, SCIENCE, SOCIAL STUDIES, FOREIGN LANGUAGE, MUSIC, and VISUAL ARTS.

Students enrolled in the set courses are expected to take the annual Advanced Placement Examination administered by the College Board each May. A score of 3, 4 or 5 implies the student may be eligible to receive college credit by those colleges and universities participating in the advanced placement program. A fee is required for all AP and must be paid to the school by the end of the first quarter of the school year. Waiver opportunities are available.

SPECIAL REPORTS

Students and parents of students who wish to have weekly summations of student progress in any given subject or subjects may request "Weekly Progress Reports." These are obtained from the counseling department. After the student's progress has been noted by each teacher concerned and the report has been signed by the parents and returned, it is usually discussed by the student and counselor and filed in the folder for that student by the counselor.

SPECIAL HELP AND MAKEUP OF WORK MISSED

Students are entitled to special help in all subjects. Teachers schedule one afternoon a week on which they hold a department night to give additional help to students who need it. If a student is out ill, parents can call and homework will be gathered from the teachers to be given to the student. If a student has been hospitalized for any reason and requires special help, parent(s) or guardian(s) should notify the student's school nurse to make arrangements to review the need for special assistance with the appropriate faculty members.

SUMMER SCHOOL

There is no charge to students enrolling in summer program.

Registration for summer school will be held July 1st from 8 a.m. to noon and from 5 to 7 p.m. that evening. The summer school program will be held at Gorton Junior High School, located at 69 Draper Avenue, from July 5th through August 1st, 2016.

Warwick Public Schools High School Program of Studies 2016-2017

Timothy Kane is the principal of the summer school program and can be reached at TIMOTHY.KANE@WARWICKSCHOOLS.ORG or by calling 734 3200 Ext. 303 between now and July 1st.

SCHOOL HOURS Start: Tuesday, July 5, 2016 End: Monday, August 1, 2016 Location: GORTON JHS
First Class: 7:30 a.m. - 8:55 a.m. Second Class: 8:55 a.m. - 10:20 a.m. Third Class: 10:20 a.m. - 11:45 a.m. COURSES OFFERED ENGLISH 1- 4 ALGEBRA 1 & 2, GEOMETRY PHYSICAL SCIENCE, CHEMISTRY, BIOLOGY WORLD HISTORY, US HISTORY, WESTERN CIV.

*All courses not offered within Summer School must be made up through an approved academic program. Digital Portfolio Entries High school students taking Summer School are required to complete one digital portfolio assignment per course as part of their requirements.

For more information, call 734 3200 Ext. 303.

COUNSELING SERVICES

Students are assigned a counselor by grade level and remain with this counselor for their high school career. Counselor assignments may be adjusted to better meet student needs. Each year the relationship between the student and counselor as well as the parent and counselor is significant in the success of the learning process.

If a student wishes to confer with his or her guidance counselor, the student completes an appointment slip in the counseling office. Parents may call the counseling secretary who will make the necessary arrangements for a conference with the counselor, teacher, or both.

PARENT-TEACHER CONFERENCES

Parent-teacher conferences are arranged through the individual counselor or through the clerk in the counseling office. All school personnel may be contacted through email.

WORKING PAPERS

An application for working papers may be obtained at the guidance office and in the school administration building. Proof of age must be presented when the working papers are received.

SCHOLARSHIPS AND AWARDS

Many sources are available to students interested in obtaining financial assistance. Information and applications for many local and national sources can be obtained by seeking counselor assistance and using resource materials available in the counseling office. An annual Financial Aid Night is conducted by the Counseling Department.

Warwick Public Schools High School Program of Studies 2016-2017

Quick Course Reference

Department	Course Title	Course Number	Level	Credit	Technology Credit	Math +1	Arts Credit
Business							
	Accounting I	BU41		1/2			
	Accounting II	BU42		1/2			
	Accounting III	BU94		1/2			
	Accounting IV	BU95		1/2			
	Advanced Publishing	BU97		1/2	1/2		
	Advertising	BU84		1/2			
	Business Law	BU74		1/2			
	Business Math	BU55		1/2			
	Career Exploration I	BU48		1			
	College/Career Planning	BU89		1/2			
	Computer Applications I	BU91		1/2	1/2		
	Computer Applications II	BU92		1/2	1/2		
	Computer Maintenance	BU85		1/2			
	Consumer Economics	BU30		1/2			
	Digital Tools	BU33		1/2	1/2		
	Entrepreneurship	BU76		1/2			
	Fundamentals of Business	BU31		1/2			
	Independent Study	BU98		1/2			
	Independent Study	BU100		1			
	International Business	BU93		1/2			
	Introduction to Business	BU32		1/2			
	Introduction to Career Development	BU78		1/2			
	Introduction to Financial Management	BU61		1/2			
	Introduction to Marketing	BU80		1/2			

Warwick Public Schools High School Program of Studies 2016-2017

	Introduction to Sports & Entertainment Marketing	BU87		1/2			
	Introduction to Tourism Marketing	BU73		1/2			
	Marketing I	BU81		1			
	Marketing II	BU82		1			
	Multimedia and the Internet	BU96		1/2	1/2		
	Personal Finance I	BU45		1		1	
	Personal Finance II	BU46		1			
English/Language Arts							
	Academic Writing Workshop	EN78		1/2			
	Adolescent and Children's Literature	EN80		1/2			
	College Writing Program EEP	EN70	EEP	1/2			
	Creative Writing I	EN71		1/2			
	Creative Writing II	EN72		1/2			
	Cultural Literacy I	EN83		1/2			
	Cultural Literacy II	EN84		1/2			
	English I	EN33		1			
	English I Honors	EN35	H	1			
	English II	EN43		1			
	English II Honors	EN45	H	1			
	English II Honors Humanities	EN44	H	1			
	English III	EN53		1			
	English III Honors	EN55	H	1			
	English III Honors Humanities	EN54	H	1			
	English IV	EN63		1			
	English IV AP	EN69	AP	1			
	English IV EEP	EN66	EEP	1			
	English IV Honors	EN65	H	1			

Warwick Public Schools High School Program of Studies 2016-2017

	Film and Literature	EN81		1/2			
	High School Literacy	EN132, EN142, EN152, EN162		1/2 Each			
	High School Literacy	EN133, EN143, EN153, EN163		1 Each			
	Journalism I	EN76		1/2			
	Journalism II	EN77		1/2			
	Mass Media	EN75		1/2			
	Production English III	EN58		1			
	Production English III Honors	EN59	H	1			
	Production English IV	EN67		1			
	Production English IV Honors	EN68	H	1			
	Public Speaking	EN46		1/2			
	SAT Prep	EN57 S1, EN60 S2		1/2 Each			
	Shakespeare I	EN73		1/2			
	Shakespeare II	EN74		1/2			
	Theater Workshop	EN47		1/2			
	Writing Workshop I	EN48		1/2			
	Writing Workshop II	EN82		1/2			
Health and Family Life							
	Health Education	HL31, HL42, HL52, HL61		.25 Each			
Mathematics							
	Algebra I	MA54		1			
	Algebra I Honors	MA53	H	1			
	Algebra 2	MA55		1			

Warwick Public Schools High School Program of Studies 2016-2017

	Algebra 2 Honors	MA57	H	1			
	Algebra 3	MA58		1			
	Calculus I	MA95		1			
	Calculus I AP	MA97	AP	1			
	Calculus I EEP	MA96	EEP	1			
	Calculus I Honors	MA94	H	1			
	Computer Science I	MA85		1/2	1/2		
	Computer Science 1 & 2	MA84		1	1		
	Computer Science 2	MA86		1/2	1/2		
	Computer Science Honors	MA93	H	1	1		
	Discrete Mathematics	MA87		1			
	Geometry	MA63		1			
	Geometry Honors	MA64	H	1			
	Intermediate Math	MA34		1			
	Math Lab Algebra I	MA154		1/2			
	Math Lab Algebra II	MA155		1/2			
	Math Lab Geometry	MA163		1/2			
	Pre-calculus	MA91		1			
	Pre-calculus Honors	MA91H	H	1			
	Statistics and Probability	MA88		1			
	Statistics and Probability EEP	MA80	EEP	1			
	Statistics AP	MA90	AP	1			
	Statistics Honors	MA81	H	1			
Modern World Languages							
	French I	LA31		1			
	French I & II Honors	LA43		1			
	French II	LA32		1			
	French II Honors	LA34	H	1			
	French III	LA35		1			
	French III Honors	LA37	H	1			

Warwick Public Schools High School Program of Studies 2016-2017

French IV	LA38		1			
French IV EEP	LA29	EEP	1			
French IV Honors	LA39	H	1			
French V	LA40		1			
French V AP	LA42	AP	1			
French V EEP	LA30	EEP	1			
French V Honors	LA41	H	1			
Italian I	LA45		1			
Italian I & II Honors	LA44		1			
Italian II	LA46		1			
Italian II Honors	LA48	H	1			
Italian III	LA49		1			
Italian III Honors	LA51	H	1			
Italian IV	LA52		1			
Italian IV EEP	LA56	EEP	1			
Italian IV Honors	LA53	H	1			
Italian V	LA54		1			
Italian V AP	LA85	AP	1			
Italian V EEP	LA57	EEP	1			
Italian V Honors	LA55	H	1			
Spanish I	LA58		1			
Spanish I & II Honors	LA60		1			
Spanish II	LA59		1			
Spanish II Honors	LA61	H	1			
Spanish III	LA62		1			
Spanish III Honors	LA64	H	1			
Spanish IV	LA65		1			
Spanish IV EEP	LA63	EEP	1			
Spanish IV Honors	LA66	H	1			
Spanish V	LA67		1			
Spanish V AP	LA70	AP	1			
Spanish V EEP	LA69	EEP	1			
Spanish V Honors	LA68	H	1			

Warwick Public Schools High School Program of Studies 2016-2017

Music						
	Audio Production	MU85		1/2		
	Chorale	MU37		1		
	Chorus Honors	MU92	H	1		
	Class Piano	MU54		1/2		1/2
	Class Piano II	MU64		1/2		1/2
	Concert Band	MU41, MU61, MU62, MU63		1 Each		1
	Concert Band Honors	MU82	H	1		1
	Concert Chorus	MU33. MU68, MU69, MU70		1 Each		1
	Exploring Music 1	MU51		1/2		1/2
	Exploring Music 2	MU83		1/2		1/2
	History of Jazz	MU56		1/2		1/2
	Jazz Band	MU46		1		
	Jazz/Show Choir	MU34		1		
	Music Independent Study	MU57		1/2		
	Music Technology and Sound Engineering	MU88		1		1
	Music Theory 1	MU52		1/2		1/2
	Music Theory 1 & 2	MU58		1		1
	Music Theory 2	MU53		1/2		1/2
	Music Theory AP	MU86	AP	1		1
	Orchestra	MU43		1		1
	Orchestra Honors	MU47	H	1		1
	Piano Independent Study	MU65		1		
Physical Education						
	Body, Mind, & Movement	PE111		1/2		
	Fitness for Life	PE114		1/2		

Warwick Public Schools High School Program of Studies 2016-2017

	Leaner, Faster, Stronger	PE112		1/2		
	Physical Education Grade 9	PE31		1/2		
	Physical Education Grades 10-12	PE41, PE51, PE61		.25 Each		
	Spartan Challenge	PE115		1/2		
	Surviving the Wild	PE113		1/2		
	The History of Sport	PE116		1/2		
Science						
	Applications of Biotechnology and Biomanufacturing Laboratory Program	SC87		1		
	Astronomy	SC71		1/2		1/2
	Biology I	SC51		1		
	Biology I Honors	SC52	H	1		
	Biology II	SC58		1		
	Biology II AP Laboratory Program	SC85	AP	1		1
	Biology II EEP	SC88	EEP	1		
	Biology II Medical	SC55		1		
	Biology II Medical Honors	SC54	H	1		
	Chemical Science	SC61		1		
	Chemistry I	SC62		1		
	Chemistry I Honors	SC63	H	1		
	Chemistry II AP	SC68	AP	1		1
	Chemistry II EEP	SC69	EEP	1		1
	Chemistry II Honors	SC64	H	1		1
	Contemporary Issues in Science	SC80		1		
	Environmental Science I	SC57		1/2		
	Environmental Science II	SC60		1/2		

Warwick Public Schools High School Program of Studies 2016-2017

	Forensic Science I	SC65		1/2		1/2	
	Forensic Science II	SC67		1/2		1/2	
	Fundamentals of Biotechnology Laboratory Program	SC86		1		1	
	Geology	SC83		1/2			
	Intro Physical Science	SC41		1			
	Life Science	SC43		1			
	Marine Science	SC91		1			
	Physical Science	SC72		1			
	Physics I	SC73		1		1	
	Physics I AP	SC77	AP	1		1	
	Physics I Honors	SC74	H	1		1	
	Physics II AP Laboratory Program	SC78	AP	1		1	
	Physics II Honors Laboratory Program	SC75	H	1		1	
	Science through Technology	SC76		1			
Social Studies							
	American Civics	SS88		1/2			
	American Legal System	SS72		1/2			
	Anthropology	SS83		1/2			
	Basic Urban Sociology	SS95		1			
	Contemporary Issues	SS76		1/2			
	Eastern Civilization	SS54		1			
	Eastern Civilization Honors	SS55	H	1			
	Economics	SS81		1/2			
	European History AP	SS63	AP	1			
	European History EEP	SS60	EEP	1			
	Geography	SS80		1/2			
	Global Studies Honors	SS92	H	1			
	Human Geography AP	SS86	AP	1			
	Human Geography Honors	SS87	H	1			

Warwick Public Schools High School Program of Studies 2016-2017

	Introduction to Psychology	SS93		1/2			
	Introduction to Sociology	SS85		1/2			
	Modern World History	SS49		1/2			
	Rhode Island History	SS74		1/2			
	Studies of War	SS59		1/2			
	United States History	SS42		1			
	United States History AP	SS47	AP	1			
	United States History Honors	SS44	H	1			
	Western Civilization	SS52		1			
	Western Civilization Honors	SS53	H	1			
	World History	SS41		1			
	World History Honors	SS43	H	1			
Technology Education							
	Advanced Robotics for Competition	TE177		1			
	Architectural CADD I	TE156		1	1	1	
	Architectural CADD II	TE157		1		1	
	Automotive Technology I	TE191		1	1		
	Automotive Technology II	TE192		1			
	Automotive Technology III	TE193		1			
	Building Structures	TE166		1/2			
	CADD EEP	TE155	EEP	1	1		
	Computer Graphics I	TE144		1/2	1/2		
	Computer Graphics II	TE145		1/2	1/2		
	Digital & Video Communications I	TE147, TE148		1/2 Each	1/2 Each		
	Digital & Video Communications I	TE137		1	1		
	Digital & Video Communications II	TE138		1	1		
	Electricity & House Wiring	TE185		1/2	1/2		

Warwick Public Schools High School Program of Studies 2016-2017

	Home & Auto Ownership	TE178		1/2			
	Independent Study Construction Manufacturing Technology	TE169		1			
	Independent Study Current Issues in Technology	TE179		1/2			
	Independent Study in Communication Technology	TE159		1			
	Independent Study in Transportation Technology	TE199		1			
	Independent Study in Transportation/Power/Ener gy Technology	TE189		1			
	Introduction to Career and Tech Programs	TE120, 121		1 or 1/2			
	Materials Processing Technology I	TE161		1	1		
	Materials Processing Technology I	TE160, TE164		1/2 Each	1/2 Each		
	Materials Processing Technology II	TE162		1			
	Materials Processing Technology III	TE163		1			
	Multi Media Graphics	TE140		1	1		
	Pre-Engineering CADD	TE154		1	1	1	
	Robotics & Engineering Technology	TE171		1	1	1	
	Robotics & Engineering Technology	TE174, TE175		1/2 Each	1/2 Each	1/2 Each	
	Technical CADD I	TE151		1	1	1	
	Technical CADD I	TE150, TE158		1/2 Each	1/2 Each	1/2 Each	
	Technical CADD II	TE152		1		1	
	Technical CADD III	TE153		1			
	Technology Gateway	TE196		1/2	1/2		

Warwick Public Schools High School Program of Studies 2016-2017

	Transportation, Power, & Energy	TE180		1/2			
	Video Production	TE130		1/2			
Visual Arts							
	Art History and Production	VA15		1/2			1/2
	Digital Imagery & Photography 1	VA25		1/2			1/2
	Digital Imagery & Photography 2	VA26		1/2			1/2
	Drawing 1	VA41		1/2			1/2
	Drawing 2	VA42		1/2			1/2
	Studio Art 1	VA10		1			1
	Studio Art 1	VA09, VA21		1/2 Each			1/2
	Studio Art II	VA12		1			
	Studio Art III	VA13		1			
	Studio Art III 2-D Design AP	VA30	AP	1			
	Studio Art III 3-D Design AP	VA35	AP	1			
	Studio Art III Drawing AP	VA17	AP	1			
	Studio Art III Honors	VA16	H	1			
	Two & Three Dimensional Design I	VA11		1/2			1/2
	Two & Three Dimensional Design II	VA18		1/2			1/2
	Visual Arts Independent Study	VA14		1/2			
	Visual Arts Independent Study	VA34		1			
Career and Technical Center							
	Academy of Finance I, II	CT61, CT62		3 Each			
	Automotive Technology 1, II, III	CT51, CT52, CT53		3 Each		1	

Warwick Public Schools High School Program of Studies 2016-2017

	Aviation Academy I,II,III	CT101, CT102, CT103		3 Each		1	
	CADD I, II, III	CT46, CT47, CT48		3 Each		1	
	Carpentry/Cabinetmaking I, II, III	CT41, CT42, CT43		3 Each		1	
	Child and Elder Care I, II, III	CT55, CT56, CT57		3 Each			
	Cisco Networking Academy I, II, III	CT74, CT75, CT79		3 Each			
	Cosmetology I, II, III	CT107, CT108, CT109		3 Each			
	Culinary Arts I, II, III	CT91, CT92, CT93		3 Each			
	Electricity I, II, III	CT71, CT72, CT73		3 Each		1	
	Electronics/Computer Repair I, II, III	CT76, CT77, CT78		3 Each		1	
	Fashion Merchandising & Management I, II, III	CT32, CT33, CT34		3 Each			
	Graphic Design I, II, III	CT96, CT97, CT98		3 Each			
	Health Occupations I, II, III	CT64, CT65, CT66		3 Each			
	Marine Technology I, II, III	CT38, CT39, CT40		3 Each		1	

Warwick Public Schools High School Program of Studies 2016-2017

AP and EEP Courses							
Department	Course Title	Course Number	Level	Credit	Technology Credit	Math +1	Arts Credit
English/Language Arts							
	College Writing Program EEP	EN70	EEP	1/2			
	English IV AP	EN69	AP	1			
	English IV EEP	EN66	EEP	1			
Mathematics							
	Calculus I AP	MA97	AP	1			
	Calculus I EEP	MA96	EEP	1			
	Statistics and Probability EEP	MA80	EEP	1			
	Statistics AP	MA90	AP	1			
Modern World Languages							
	French IV EEP	LA29	EEP	1			
	French V AP	LA42	AP	1			
	French V EEP	LA30	EEP	1			
	Italian IV EEP	LA56	EEP	1			
	Italian V AP	LA85	AP	1			
	Italian V EEP	LA57	EEP	1			
	Spanish IV EEP	LA63	EEP	1			
	Spanish V AP	LA70	AP	1			
	Spanish V EEP	LA69	EEP	1			
Music							
	Music Theory AP	MU86	AP	1			1
Science							
	Biology II AP Laboratory Program	SC85	AP	1		1	
	Chemistry II AP	SC68	AP	1		1	
	Chemistry II EEP	SC69	EEP	1		1	
	Physics I AP	SC77	AP	1		1	

Warwick Public Schools High School Program of Studies 2016-2017

	Physics II AP Laboratory Program	SC78	AP	1		1	
Social Studies							
	European History AP	SS63	AP	1			
	European History EEP	SS60	EEP	1			
	Human Geography AP	SS86	AP	1			
	United States History AP	SS47	AP	1			
Technology Education							
	CADD EEP	TE155	EEP	1	1		
Visual Arts							
	Studio Art III 2-D Design AP	VA30	AP	1			1
	Studio Art III 3-D Design AP	VA35	AP	1			1
	Studio Art III Drawing AP	VA17	AP	1			1

BUSINESS EDUCATION

The mission of the business Education curriculum in the Warwick Public Schools is to *prepare all learners for success in life, post-secondary education, and careers.*

1. to provide students with challenging learning opportunities;
2. to prepare students for a rapidly changing workplace and global economy;
3. to prepare students for the role of responsible citizens, workers, and consumers;
4. to prepare students to use technology to enhance personal and business decisions;
5. to offer the necessary tools for addressing economic issues, both personal and societal;
6. to prepare students to become effective writers, listeners, and speakers in diverse social and business settings

The 9-12 Business Education Curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematics, and technological skills.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

Accounting I

BU41 1/2 Credit

A one-semester study of the basic principles of double entry accounting including the procedures involved in recording, bank reconciliation, summarizing, and interpreting the financial data of a business. Upon completion of the course, students will understand the principles involved in keeping a simple set of financial records for a business.

Accounting II

BU42 1/2 Credit

Prerequisite: Accounting I

This is a one-semester study of additional accounting principles. At the completion of this course, students will have learned the equivalent of a basic one-year high school accounting course.

Accounting III

BU94 1/2 Credit

Prerequisite: Accounting II

This course is a continuation of Accounting I and II and will cover such topics as recording purchases and sales transactions, uncorrectable accounts, depreciation, inventory, transactions related to notes payable and receivable, and interest computation. Students will utilize the computer to perform all accounting functions.

Accounting IV

BU95 1/2 Credit

Prerequisite: Accounting III

This course is a continuation of Accounting III and will cover the entire accounting cycle for a corporation. Students will utilize the computer to perform all accounting functions

Advanced Publishing

BU97 1/2 Credit

Prerequisite: Digital Tools

This is a one-semester course introducing students to the publishing arena as they work on an authentic project, such as the school's yearbook. From the initial concept to the finished product, students will be exposed to all publishing aspects, such as general diagram, page layout, candid captioning, advertisement procurement, etc. Students will conceive, plan, and produce an authentic publication, such as a yearbook or newsletter, using advanced technology.

Advertising

BU84 1/2 Credit

A one-semester course offered to students, which focuses on the fundamental principles and practices of the advertising industry.

Business Law

BU74 1/2 Credit

A one-semester course that provides students with an opportunity to investigate the law as it relates to the protection of personal, civic, and business affairs. Students gain knowledge of legal principles, rules, technical terminology, and the complexity of law through analysis of legal problems and case studies. The law of contracts is stressed in the latter part of the course.

Business Math

BU55 1/2 Credit

Business Math is a course where you will learn to connect algebra to what's going on in your life. Since you will be earning, spending, saving and investing money for the rest of your life, it's time to understand math in business terms and gain confidence in being a smart consumer. You will build on your prior knowledge of math concepts from other courses, and learn step-by-step strategies to help you evaluate the best automobile option or cell phone contract and much more. This course covers the mathematical processes and techniques useful in solving real-life business problems. It includes business math skills with particular emphasis on using applications-based problem solving using real life scenarios.

Career Exploration I

BU48 1 Credit

A full-year interdisciplinary program involving career exploration and research coupled with oral presentations and other projects.

College/Career Planning

BU89 1/2 Credit

A one-semester course designed for students who are unsure about a career goal. The focus will be on determining strengths and abilities as they relate to careers requiring education beyond high school. Students will assemble and present a career portfolio. Students will learn about the college application/selection process and the financial aid process.

Computer Applications I

BU91 1/2 Credit

A one-semester course designed to give students a working knowledge of personal computers. Students are introduced to word processing, spreadsheets, desktop publishing, and databases.

Computer Applications II

BU92 1/2 Credit

Prerequisite: Computer Applications I

A one semester course designed to improve the student's knowledge of software applications. Topics include applications in advanced word processing, database management, and spreadsheets. In addition, students will learn advanced techniques with desktop publishing applications and multimedia presentation software.

Computer Maintenance

BU85 1/2 Credit

A one-semester course offered to introduce students to computer hardware repair/replacement, software installation, and maintenance. Students will do hands-on work in the business lab and other locations. Opportunities for certification may be available.

Consumer Economics

BU30 1/2 Credit

A one-semester course that provides students with valuable skills and knowledge that connects to their lives outside of school. Activities will provide opportunities for students to connect other curricular areas with consumer issues and assist them in becoming “super-informed” consumers.

Digital Tools

BU33 1/2 Credit

This half credit course develops fundamental skills crucial to being successful in high school and beyond. Students will be trained in Graduation by Proficiency requirements. This course provides the necessary technology and software skills encompassing, but not limited to, school-based email system, digital portfolio, and presentation software. Communication skills are taught as well as conducting effective online research and properly formatting MLA style research papers.

Entrepreneurship

BU76 1/2 Credit

A one-semester course enabling students to explore and experience the fundamentals of opening and operating a business. Opportunity for college credit may be available.

Fundamentals of Business

BU31 1/2 Credit

A one-semester course that helps students prepare for future business roles of consumer, worker, and citizen, by offering them exposure to economic systems, financial institutions and banking services, credit, and insurance.

Independent Study

BU98 1/2 Credit

BU100 1 Credit

This option is available to students who want to pursue a course but are unable to because of scheduling conflicts. Acceptance is at the discretion of the classroom teacher and the Business Education Department Chairperson.

International Business

BU93 1/2 Credit

A one-semester course offered for students who want to explore topics in the political, legal and economic arenas. Business is explored as students evaluate global business strategies across national boundaries. Individual and group projects tied in with local business connections will further enhance the students’ understanding of business activities among nations. The opportunity for college credit may be available.

Introduction to Business

BU32 1/2 Credit

The goal of this one semester course is to improve economic insight through the study of the business and the global economic environment in which they live. Opportunity for college credit may be available.

Introduction to Career Development

BU78 1/2 Credit

A one-semester exploratory course with an emphasis on researching and planning career paths as well as learning about career clusters, business etiquette, the interviewing process, career trends, and dressing for success. Students will set goals and identify aptitudes and personality traits as they relate to a wide range of careers.

Introduction to Financial Management

BU61 1/2 Credit

A one-semester course offered to all students. It is designed to improve the student's understanding of money and banking as applied to personal finance and the American economy. Investments, the stock market, personal tax return preparation, and insurance may also be covered.

Introduction to Marketing

BU80 1/2 Credit

Students are introduced to the marketing functions and practices followed by businesses that engage in marketing. The concepts of marketing segmentation, promotion, and merchandising are covered. Opportunity for college credit may be available.

Introduction to Sports & Entertainment Marketing

BU87 1/2 Credit

A one-semester project-based course offered to introduce the student to the growing career field of sports and entertainment marketing and management. Students will participate in research and development of a fantasy sports team. They will create and draft a team, design a stadium, design team logos, merchandise, advertise, promote the team, and more.

Introduction to Tourism Marketing

BU73 1/2 Credit

A one-semester course offered to introduce students to the basics of the travel and tourism industry. Interdisciplinary projects are included. Industries covered include hotels, tours, airlines, and ground transportation.

Marketing I

BU81 1 Credit

A full-year course offered to introduce students to careers in marketing, channels of distribution, basic selling, and operation of the school store. Distributive Education Clubs of America (DECA) or Future Business Leaders of America (FBLA) activities and other phases of career development are included.

Marketing II

BU82 1 Credit

Prerequisite: Marketing I

This is a full-year course which emphasizes the free enterprise system, marketing research, marketing management and DECA activities.

Multimedia and the Internet

BU96 1/2 Credit

Prerequisite: Computer Applications I, Computer Applications II Recommended

A one-semester advanced level computer technology course offered to provide students with opportunities to learn and apply research skills using the Internet. In addition, students will enhance their communication skills through multimedia applications as they plan, develop, and implement presentations via presentation software and web page designs.

Personal Finance I

BU45 1 Credit

This is a full-year course designed to introduce the student to contemporary finance issues as they relate to personal financial management. Major topics covered include financial planning, maintaining a check register, reconciling accounts, preparing financial reports, setting goals and objectives, preparing a budget, processing credit transactions, preparing for major consumer purchases, income taxation, investments and risks, and insurance. Computer financial software will be introduced.

Personal Finance II

BU46 1 Credit

Prerequisite: Personal Finance I

This is a full-year course designed to introduce the student to contemporary finance issues as they relate

to personal financial management and investing. Major topics include establishing a career plan, the power of investing, understanding the corporate structure, investment alternatives, buying and selling stock, stock market fundamentals, choosing mutual funds, impact of inflation, taxes and commission fees, risks and insurance, and buying a car and a house. The use of financial software will continue.

English/Language Arts

The goals of the English/Language Arts Program are to develop precision, fluency and creativity in the fundamental communication areas; to understand the nature, history, structure, varieties and power of the English language; to develop discriminating judgments about the role and power of current and emerging technologies in today's society; to experience, appreciate and enjoy the significant literary texts and the values inherent in these works, both traditional and contemporary.

The 9-12 English/Language Arts Curriculum is designed to accomplish the following academic expectations:

1. **Communicates and collaborates effectively via speaking, reading, and writing.**
2. **Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
3. **Demonstrates the appropriate and relevant use of technology.**

Academic Writing Workshop

EN78 1/2 Credit

Prerequisite: Recommendation of ELA teacher/Department Chair

Academic Writing Workshop emphasizes the strategies necessary to better understand the research process. Content includes targeted instruction in selecting and citing valid primary and secondary sources and paraphrasing, summarizing, analyzing, and synthesizing information. This approach permits the teachers to assist the student to write a more effective and proficient research paper.

Adolescent and Children's Literature

EN80 1/2 Credit

Children's Literature is designed to offer students the opportunity to explore the historical and cultural value of children's and adolescent literature. Students will consider the purpose of illustrations, the impact of censorship, as well as the structure of the work, significant parallels with other literary selections, and the author's use of language.

College Writing Program E.E.P.

EN70 1/2 Credit

This course fulfills the writing requirements of colleges across the country and is run in cooperation with the University of Rhode Island as writing course WRT 104. The University of Rhode Island's catalog describes the college writing semester as one that includes: "Writing emphasizing the sharing of information", "Varieties and strategies of expository writing for differing audiences and situations", and "Genres may include reports, proposals, letters, reviews, Web sites, academic essays." Students who successfully complete the course can earn three college credits. There is an attendance requirement and a registration fee mandated by the university.

Creative Writing I

EN71 1/2 Credit

Creative Writing emphasizes writing as a process, including sharing one's work with others. Students learn to identify an audience that must be either addressed or considered as part of the context of writing. Through discussion of a variety of readings and greater sensitivity to their own writing, students develop skills emphasizing rhetorical strategies and literary techniques. Opportunities for publication are explored, and publication of student work is encouraged.

Creative Writing II

EN72 1/2 Credit

Prerequisite: Creative Writing I

Creative Writing II will offer the opportunity to hone skills learned and developed in Creative Writing I. The program is writing intensive and will include exploration, experimentation, and presentation of rhetorical strategies which are designed to promote and enhance written expression.

Cultural Literacy I

EN83 1/2 Credit

Revolution and Rebellion

Students will experience a variety of texts, forms of music, and works of art that revolve around and reflect revolutions and rebellions. They will begin to see how the “artistic” world reacts to shifts in political and social movements. This class will be writing intensive as students develop the ability to critically analyze trends in art, music, and text.

Cultural Literacy II

EN84 1/2 Credit

Through The Looking Glass

Students will analyze the impact of mass media on one’s culture. Television, film, music essays, and poetry will be examined so that students can become interpreters of social and cultural history. This class will be writing intensive as students develop the necessary skills to analyze culture as a whole through video, audio, and textual media.

English I

EN33 1 Credit

This course of study for freshmen provides the students with opportunities to establish a firm foundation in the basic skills of communication; reading, writing, speaking, viewing and listening. In addition, the literature program enables them to learn and use fundamental literary skills and concepts through a study of various literary genre - short story, novel, poetry, drama, and non-fiction.

English I Honors

EN35 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Participants in honors courses, because of previous acceleration, enrichment, or demonstration of advanced understanding, are required to study material in great depth. All honors classes are writing intensive.

English II

EN43 1 Credit

The course of study for sophomores provides an intensive study of communication skills and an opportunity for students to develop and use techniques in reading, writing, and language. The literature program enables students to experience various types of writing, through a study of diverse literary genres.

English II Honors

EN45 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Participants in honors courses, because of previous acceleration, enrichment, or demonstration of advanced understanding, are required to study material in great depth. All honors classes are writing intensive.

English II Honors Humanities

EN44 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This humanities program links social studies and English. Students who elect this course combination are placed in the same English II Honors and United States History honors class to deeply explore cultural artifacts, fine arts, and themes of our nation’s history. The teachers collaborate on projects, field trips, and other humanities enrichment activities. Students who elect this program should be able to work efficiently and independently, to express themselves clearly and intelligently in written and oral work, and to read rapidly and critically.

English III

EN53 1 Credit

The course of study for juniors reinforces and provides for further development of the communication skills, with particular emphasis on effective writing and speaking styles. The literature program consists of a study of American literature - both traditional and modern.

English III Honors

EN55 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Participants in honors courses, because of previous acceleration, enrichment, or demonstration of advanced understanding, are required to study material in great depth. All honors classes are writing intensive.

English III Honors Humanities

EN54 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This humanities program links social studies and English. Students who elect this course are placed with the same English and social studies teachers to deeply explore the historical, social, philosophical, religious, and artistic aspects of various cultures, especially of the Western world. The essential questions focus on the implications of power. The teachers collaborate on projects, field trips, and other humanities enrichment activities. Students who elect this program should be able to work efficiently and independently, to express themselves clearly and intelligently in written and oral work, and to read rapidly and critically.

English IV

EN63 1 Credit

The course of study for seniors reinforces and provides for further development of the communication skills, with particular emphasis on effective writing and speaking styles. The literature program consists of a study of British literature - both traditional and modern.

English IV A.P.

EN69 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

The Advanced Placement English course emphasizes both effective writing and critical reading. In this program, students learn to employ a variety of rhetorical structures, identify the purpose and modes of discourse, and recognize the conventions of different genres. A registration fee is required for the AP exam.

English IV E.E.P

EN66 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

The Rhode Island College Early Enrollment Program allows students to earn college credit for work completed in high school. The course is designed to offer preparation in writing, language development, and literary criticism. The fee for receiving the appropriate college credit is established by the college.

English IV Honors

EN65 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Participants in honors courses, because of previous acceleration, enrichment, or demonstration of advanced understanding, are required to study material in great depth. All honors classes are writing intensive.

Film and Literature

EN81 1/2 Credit

In this course students will learn how to “read” a film. The course encompasses a survey of the various theories that have informed the study and analysis of film throughout its history. Additionally, through the study and analysis of films representing the various genres and important directors in film history, students will develop both an understanding of how films construct meaning and an appreciation for films as works of literature. Students will apply their understanding of film through various writing assignments and through the production of an original film.

High School Literacy (1 Semester)

EN132, 142, 152, 162 1/2 Credit Each

This **one semester** program has been designed for students who are experiencing difficulties in reading and writing. Reading comprehension strategy instruction and a “balanced literacy” approach will be embedded in this curriculum. Students will receive instruction in decoding, fluency, vocabulary and comprehension to assist in raising their reading levels. Students that are recommended for this program will meet the selection criteria as guided by the RIDE literacy initiatives.

High School Literacy (Full Year)

EN133, 143, 153, 163 1 Credit Each

This **full-year** program has been designed for students who are experiencing difficulties in reading and writing. Reading comprehension strategy instruction and a “balanced literacy” approach will be embedded in this curriculum. Students will receive instruction in decoding, fluency, vocabulary and comprehension to assist in raising their reading levels. Students that are recommended for this program will meet the selection criteria as guided by the RIDE literacy initiatives.

Journalism I

EN76 1/2 Credit

This course examines the nature of the modern newspaper and the responsibility of the medium to disseminate information honestly, objectively, and accurately. Through close examination, students will explore various types of newspapers and learn the principles of make-up, format, stylistic devices, and sections of each paper. Participants will collaborate in the writing, layout, and publication of the school newspaper on a quarterly basis.

Journalism II

EN77 1/2 Credit

Prerequisite: Journalism I

Students who have taken Journalism I and who wish to continue working with the newspaper may continue in the program for an additional semester. Emphasis is placed on individual projects, advanced journalistic writing and newspaper layout, and opportunities to tutor less experienced journalists.

Mass Media

EN75 1/2 Credit

Mass Media will be examined as a source of information and entertainment. Students will discuss the significance of mass media as a method of slanting, propagandizing and influencing thought.

Production English III

EN58 1 Credit

Prerequisite: English I (EN33), English II (EN43)

This is a full year English III course serving as an introduction to and preparation for the Production Team. Academy courses taught in grade 12. The course of study for Production Team English III reinforces and provides for further development of communication skills, with particular emphasis on effective writing and speaking styles. The literature program consists of a study of American literature—both traditional and modern.

Production English III Honors

EN59 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This is a full year English III course serving as an introduction to and preparation for the Production Team Academy courses taught in grade 12. The course of study for Production Team English III reinforces and provides for further development of communication skills, with particular emphasis on effective writing and speaking styles. The literature program consists of a study of American literature—both traditional and modern. Participants in honors courses, because of previous acceleration, enrichment, or demonstration of advanced understanding, are required to study material in great depth. All honors classes are writing intensive.

Production English IV

EN67 1 Credit

Prerequisite: English I (EN33), English II (EN43), English III (EN53)

This is a full year English IV course taught concurrently with Audio Production and Video Production. These courses constitute the Production Team Academy. The course of study for Production Team English IV reinforces and provides for further development of communication skills, with particular emphasis on effective writing and speaking styles. The literature program consists of a study of British/World literature—both traditional and modern. Literacy will focus on skills and a thoughtful integration of audio and visual technologies (including the analysis of print text) to reinforce digital media. Specific content will inform and drive coursework in Audio and Video Production Team, affording students the opportunity to put their academics into action.

Production English IV Honors

EN68 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This is a full year English IV course taught concurrently with Audio Production and Video Production. These courses constitute the Production Team Academy. The course of study for Production Team English IV Honors reinforces and provides for further development of communication skills, with

particular emphasis on effective writing and speaking styles. The literature program consists of a study of British/World literature—both traditional and modern. Literacy will focus on skills and a thoughtful integration of audio and visual technologies (including the analysis of print text) to reinforce digital media. Specific content will inform and drive coursework in Audio and Video Production, affording students the opportunity to put their academics into action. Participants in honors courses, because of previous acceleration, enrichment, or demonstration of advanced understanding, are required to study material in great depth. All honors classes are writing intensive.

Public Speaking

EN46 1/2 Credit

The general objectives of this course are to enable students to develop good speaking techniques and to provide opportunities for them to employ these skills in delivering various types of speeches. Specifically, they are instructed to think in an organized, logical manner by participating in speech experiences that will train them to express themselves effectively with poise and confidence.

SAT Prep English/Math

EN57 S1 EN 60 S2 1/2 Credit Each

1st Semester for Seniors

2nd Semester for Juniors

This course is designed for seniors and juniors in order to prepare them for the SAT. Help in filling out college applications and strategies for effective test-taking skills that will assist the students in improving their scores in both English and math will be offered. Seniors electing this course will take it first semester and juniors will take it second semester.

Shakespeare I and II

EN73, 74 1/2 Credit Each

Prerequisite: English I and II or Dept. Head/Administrator Approval

Overview of both courses: Students will read and interpret five or six of Shakespeare's plays: two comedies, two tragedies, and one history (two if time permits). Some background material on Shakespeare's life and Elizabethan theatre may be part of the course of study but only in relation to the selected plays.

The focus of the course is two-fold: to come to an understanding of why Shakespeare "lives" after 400 years and to learn how to better understand the plays. Thus, the student who completes the course should develop higher level reading skills as well as a more extensive vocabulary.

Theater Workshop

EN47 1/2 Credit

Theater Workshop offers students background in drama, theater history, and play production. Through discussion, presentations, and extensive practice in acting and directing, students study drama as a creative art form and learn to appreciate the theater as a source of information and entertainment.

Writing Workshop I

EN48 1/2 Credit

This course is designed for those who enjoy writing and would like to enhance their writing skills. Students work individually at times and participate in group sessions on other occasions. The course encourages students to become comfortable as writers. Content includes instruction in complexity, correctness, and clarity in expressing ideas. Students also will have ample opportunity to practice the imaginative use of language. An individualized approach permits the teacher to assist the student in learning to write more effectively.

Writing Workshop II

EN82 1/2 Credit

This sequel to Writing Workshop I (EN 48) is open to students who have taken EN 48 or strong writers who submit a writing sample to the English department head for approval. Students who are already familiar with the steps in the writing process and have identified their own strengths and challenges as writers will continue to attain greater fluency and self-sufficiency, carry out various revision and editing practices, give and obtain criticism, and practice sophisticated forms and styles of writing. Students will read examples of good writing as models and inspiration. At the end of the course, they will choose a genre in which to specialize and will present the semester's work in a portfolio.

Health and Family Life

The 9-12 Health and Family Life Curriculum is designed to accomplish the following academic expectation:

5. Demonstrates positive health habits, including physical exercise, in order to enhance physical and emotional well-being.

Health Education

HL31, 42, 52, 61 .25 Credit Each

The health courses teach units on Personal Health, Mental Health, Injury Prevention, Sexuality and Family Life, Disease Prevention, and Substance Use and Abuse Prevention. A sampling of the topics include bullying, CPR, mental illness, dating violence, drinking and driving, and communicable diseases. Students earn 1/4 credit per year.

Mathematics

Mathematics is the development of patterns and a way of thinking. It is essential that all students acquire a strong background in mathematics in order for them to become productive citizens in a changing and technological world. Mathematics is a powerful and creative way of organizing quantitative ideas and experiences by empowering students to excel in problem solving, connecting to other disciplines, communication, and reasoning skills. Our Algebra 1, Algebra 2, Geometry, and Pre-Calculus curricula, both non-honors and honors, are aligned to the Common Core State Standards.

The 9-12 Mathematics Education Curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematical, and technological skills.**
- 3. Analyzes and interprets data and information.**
- 4. Demonstrates the appropriate and relevant use of technology.**

Algebra I

MA54 1 Credit

This is a course designed to provide the foundations in algebraic thinking and the skills necessary for the further study of mathematics. Topics include solving various types of mathematical sentences, relations, functions, graphing, algebraic fractions, polynomials, systems of mathematical sentences, quadratic equations and extensions to integral and fractional exponents.

Algebra I Honors

MA53 1 Credit

Prerequisite: Students must have an “A” average in both Grade 7 and 8 math with teacher recommendation

This course covers all topics listed for Algebra 1 but with greater emphasis on functions, relations, and non-linear functions. Topics are covered in greater depth with more rigor.

Algebra 2

MA55 1 Credit

Prerequisite: Algebra I (recommended successful completion of Geometry)

This is the third course in the Algebra I, Geometry and Algebra 2 sequence. Topics include systems of mathematical sentences, roots, radicals, complex numbers, quadratic equations and functions, exponential and logarithmic functions, and polynomial functions.

Algebra 2 Honors

MA57 1 Credit

Course Prerequisite: Algebra I Honors Previous “Honors” standing or students who meet honors criteria

This course covers all of the topics in Algebra 2 but with greater emphasis on functions, relations, non-linear graphs, sequences and series.

Algebra 3

MA58 1 Credit

Prerequisite: Algebra 2

This course includes a more rigorous study of topics listed in Algebra 2 above. Other topics include mathematical induction, polynomial equations, higher degree equations, the binomial theorem, matrices, and data analysis.

Calculus 1

MA95 1 Credit

Prerequisite: Pre-calculus

This course introduces and reinforces the basic techniques to solve limits, derivative, and integrals. The theory of calculus is applied extensively to problems arising in physics. It is designed to provide the foundations for advanced calculus AB course.

Calculus I A. P.

MA97 1 Credit

Prerequisite: Pre-Calculus

This course follows the syllabus of the College Board's Advanced Placement Calculus AB course. Upon successfully completing the AP exam, the student may be eligible for credit at colleges and universities participating in the AP Program. A registration fee is required for the AP exam. A student receiving AP credit will complete supplemental course work in preparation for the AP exam.

Calculus I E. E. P.

MA96 1 Credit

Prerequisite: Pre-Calculus

This course is offered in collaboration with Rhode Island College. Students may receive undergraduate credit upon successful completion of this course. The fee for receiving the appropriate college credit is established by the college. It follows an approved course syllabus by Rhode Island College. (Note: Only grade 11 and 12 students can receive EEP credit)

Calculus I Honors

MA94 1 Credit

Prerequisite: Pre-Calculus Honors or students who meet honors criteria

This course involves an in-depth, theoretical and formal study of concepts and understanding of the limit, derivative, differential, differentiation, the integral and integration and their application to advanced mathematical problems. The theory of calculus is applied extensively to problems arising in the sciences, engineering and business. This course can be used to prepare the student for EEP or AP credit; therefore it follows the syllabus of the College Board's Advanced Placement Calculus AB course.

Computer Science I

MA85 1/2 Credit

Prerequisite: Algebra 2 or department chair/administration approval

This is a one semester computer programming course that teaches programming concepts in a mathematical setting. Students will use an introductory computer language (i.e. BASIC, VISUAL BASIC, C++, and JAVA). Topics include input/output commands, loops, strings, and arrays.

Computer Science 2 **MA86 1/2 Credit**

Prerequisite: Computer Science I or department chair/administration approval

This is a one semester course that is a continuation of MA85. Topics covered are multi-dimensional arrays, sub-routines, and accessing files. Mathematical concepts from probability and statistics are investigated.

Computer Science 1 & 2 **MA84 1 Credit**

Prerequisite: Algebra 2 or Department Chair/Administrator approval

This is a full year computer programming course that teaches programming concepts in a mathematical setting. It covers the topics outlined in MA84 and MA85

Computer Science Honors **MA93 1 Credit**

Course Prerequisite: Computer Science 2 and Trigonometry/Analytical Geometry, previous “Honors” standing or students who meet honors criteria

This is a one-year course that includes object-oriented programming using the JAVA programming language. Techniques of modern programming, data structures, and algorithm analysis are also included.

Discrete Mathematics **MA87 1 Credit**

Prerequisite: Completion of 3 years of mathematics or permission of Department Chair/Administrator

This is a one year course requiring some knowledge of algebra and geometry. Students will explore topics such as sets, logic, cryptology, networks, color graphing and other discrete topics.

Geometry **MA63 1 Credit**

Prerequisite: Algebra I

This course is the second in the Algebra 1, Geometry and Algebra 2 series. It emphasizes the development and understanding of an axiomatic system. It involves investigations and constructions as well as formal proof. Topics include properties, relationships and transformations of two and three dimensional figures, and models.

Geometry Honors **MA64 1 Credit**

Prerequisite: Algebra 1 Honors or permission of the Department Chair/Administrator

This course explores the same topics as Geometry but in greater depth and understanding. It also includes development of deductive and inductive reasoning as well as exposure to Non-Euclidean Geometries and additional work in three-dimensional space.

Intermediate Math **MA34 1 Credit**

Prerequisite: Algebra 2

Students enrolled in this course will develop basic understandings and skills. Topics include solving quadratic equations, functions and relations, along with geometry and trigonometry concepts. Students will prepare for the community college entrance exam.

High School Math Lab

MA 154, 155, 163 1/2 Credit Each

This **one semester** program has been designed for students who are experiencing difficulties in mathematics. Students will receive instruction in the improvement of math skills and problem solving strategies along with remediation in the foundations needed to succeed in the mathematics class which corresponds to each math lab. Students that are recommended for this program will meet the selection criteria as determined by district screenings, state test scores, class grades, and/or teacher recommendation.

Pre-calculus

MA91 1 Credit

Prerequisite: Algebra 2

This course is a combination of Trigonometry and Analytic Geometry and develops and extends relationships among algebra, geometry and trigonometry with an emphasis on functions as they relate to their graphs. These include polynomial, rational, trigonometric, periodic, logarithmic, and exponential functions.

Pre-calculus Honors

MA91H 1 Credit

Prerequisite: Algebra 2 Honors

This course explores the same topics of pre-calculus but in more depth and with more rigor. It is designed to provide the foundation for more advanced work in mathematics leading to the study of calculus.

Statistics and Probability

MA88 1 Credit

Course Prerequisite: Algebra 2 or permission of Department Chair/Administrator

This course introduces measures of central tendency and variability, estimation and tests of significance, regression and correlation. Examples from a wide variety of disciplines are examined. The course covers methods used in collection, presentation, analysis and interpretation of data. Topics include frequency distributions, measures of dispersion and sampling, with an emphasis on hypothesis testing. The course includes basic designs of experiments as well as extensive computer/technology use.

Statistics and Probability E.E.P.

MA80 1 Credit

Prerequisite: Algebra 2 Honors or permission of the Department Chair/Administrator

This course is offered in collaboration with Rhode Island College. Students may receive undergraduate credit upon successful completion of this course. The fee for receiving the appropriate college credit is established by the college. It follows an approved course syllabus by Rhode Island College. (Note: Only grade 11 and 12 students can receive EEP credit)

Statistics A.P.

MA90 1 Credit

Prerequisite: Pre-Calculus Honors or permission of Department Chair/Administrator

This course involves the in-depth exploratory analysis of data using graphical and numerical techniques such as planning a study for data collection, analysis, conjecture and inference, probability theory, and statistical inference. Upon successful completion of the AP exam, the student may be eligible for credit at colleges and universities participating in the AP program. A registration fee is required for the AP exam.

Statistics Honors

MA81 1 Credit

Prerequisite: Pre-Calculus Honors or permission of Department Chair/Administrator

This course involves the in-depth exploratory analysis of data using graphical and numerical techniques such as planning a study for data collection, analysis, conjecture and inference, probability theory, and statistical inference.

Modern World Language

Modern World Language study at the high school level is a continuing process of developing communication accuracy in understanding, speaking, reading, and writing.

Courses in French, Italian, and Spanish are offered from levels 1 to 5 and level 2 Honors to 5 Honors. German is also offered. Levels 1, 2, 3, and 2 Honors are beginning courses. The goal of these courses is to acquire and practice basic language skills, gradually increasing the students' proficiency. Levels 4, 5, and 3 Honors are intermediate courses; 4 Honors and 5 Honors are advanced courses. At these levels, the language becomes the means for individual experiences in better understanding of self and of others, of experiences of thinking, feeling, and creating as related to other cultures.

The study of a modern world language is part of an academic preparation for college involving a minimum of two or three to five years of study. It is a college entrance requirement for many colleges and universities.

The 9-12 Modern World Language Education Curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Possesses a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

French I

LA31 1 Credit

Level 1 introduces the student to basic pronunciation, intonation, and grammatical structures of the language. It promotes communicative ability in speaking and writing while developing the basic skills of listening and reading. It promotes an awareness of the French-speaking world. Regular practice in the language laboratory to develop listening and speaking proficiency is an integral part of the course.

French I & II Honors

LA43 1 Credit

This level is designed for students who have successfully completed at least two years of another modern world language and are highly motivated to study French. Two years of French are completed in one year. (See course descriptions for French I and French II). It requires the student to work well independently.

French II

LA32 1 Credit

This course concentrates on expansion of vocabulary and grammatical structure while continuing to promote communicative abilities and the development of the four skills. Regular practice in the language laboratory to develop listening and speaking proficiency is an integral part of the course.

French II Honors

LA34 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Level 2 Honors follows the description of French II, but is more intensive in its approach.

French III

LA35 1 Credit

The level 3 course continues to develop the basic skills with emphasis on reading and writing skills. It completes the basic grammatical structures presented in previous levels. The target language is actively used for many class activities which may include small group work, individual study, and class projects.

French III Honors

LA37 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Level 3 Honors follows the description of Level 3, but is more intensive in its approach.

French IV

LA38 1 Credit

Level 4 strives for proficiency through continued reinforcement of the four skills. It promotes an appreciation of other cultures through limited exposure to major historical, literary, artistic, and social trends. Grammar, conversation, reading, and writing are stressed.

French IV E.E.P.

LA29 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This course is taught in conjunction with the Modern Language Department of Rhode Island College. The fee for receiving the appropriate college credit is established by the college. The target language itself is used in the class as the medium for communication when possible.

French IV Honors

LA39 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

French IV Honors brings all four language skills to a higher level of proficiency. Students write essays and converse freely. Reading skills are increased through the use of a variety of printed materials. Listening skills increase by the use of audio-visual resources in the language laboratory. The target language itself is used in the class as the medium for communication when possible.

French V

LA40 1 Credit

French V continues to reinforce the four basic skills and continues to promote an appreciation of Francophone cultures and exposure to major historical, literary, artistic, and social trends. Grammar, conversation, reading, and writing are stressed.

French V A.P.

LA42 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

The course syllabus is approved by the A.P. Board. Students who complete this course are eligible to take the Advanced Placement Exam for college. The target language itself is used in the class as the medium for communication. A registration fee is required for the AP exam

French V E.E.P.

LA30 1 credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This course is taught in conjunction with the Modern Language Department of Rhode Island College. The fee for receiving the appropriate college credit is established by the college. The target language itself is used in the class as the medium for communication when possible.

French V Honors

LA41 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

French V Honors widens the student’s cultural perspectives through more advanced reading and listening activities. It continues to refine sophisticated grammatical structure. Reading, writing, and conversation are stressed. The target language itself is used in the class as the medium for communication when possible.

Italian I

LA45 1 Credit

This beginning course introduces the student to the Italian language and culture. The four basic skills, listening, speaking, reading, and writing, are developed. Listening and speaking skills used for basic communication are enhanced by the use of the language laboratory. Cultural similarities and differences are discussed on topics of interest. Students are introduced to the geography of Italy, its regions, and major cities.

Italian I & II Honors

LA44 1 Credit

This level is designed for students who have successfully completed at least two years of another modern world language and are highly motivated to study Italian. Two years of Italian are completed in one year. (See course descriptions for Italian I and Italian II) It requires the student to work well independently.

Italian II

LA46 1 Credit

This course concentrates on expansion of vocabulary and grammatical structure while continuing to promote communicative abilities and the development of the four skills. Regular practice in the language laboratory to develop listening and speaking proficiency is an integral part of the course.

Italian II Honors

LA48 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Level 2 Honors follows the description of Italian II, but is more intensive in its approach.

Italian III

LA49 1 Credit

The level 3 course continues to develop the basic skills with emphasis on reading and writing skills. It completes the basic grammatical structures presented in previous levels. The target language is actively used for many class activities which may include small group work, individual study, and class projects.

Italian III Honors

LA51 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Level 3 Honors follows the description of Level 3, but is more intensive in its approach.

Italian IV

LA52 1 Credit

Level 4 strives for proficiency through continued reinforcement of the four skills. It promotes an appreciation of other cultures through limited exposure to major historical, literary, artistic, and social trends. Grammar, conversation, reading, and writing are stressed.

Italian IV E. E. P.

LA56 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This course follows a syllabus approved by Rhode Island College and is coordinated with Italian 113 at Rhode Island College as part of the Early Enrollment Program. The fee for receiving the appropriate college credit is established by the college. The target language itself is used in the class as the medium for communication when possible.

Italian IV Honors

LA53 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Italian IV Honors brings all four language skills to a higher level of proficiency. Students write essays and converse freely. Reading skills are increased through the use of a variety of printed materials. Listening skills increase by the use of audio-visual resources in the language laboratory. The target language itself is used in the class as the medium for communication when possible.

Italian V

LA54 1 Credit

Italian V continues to reinforce the four skills and continues to promote an appreciation of Italian culture and exposure to major historical, literary, artistic and social trends. Grammar, conversation, and writing are stressed. The target language itself is used in the class as the medium for communication when possible.

Italian V A.P.

LA85 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

The course syllabus is approved by the A.P. Board. Students who complete this course are eligible to take the Advanced Placement Exam for college. The target language itself is used in the class as the medium for communication. A registration fee is required for the AP exam.

Italian V E. E. P.

LA57 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This course is taught in conjunction with the Modern Language Department of Rhode Island College. The course syllabus is approved by the college. The fee for receiving the appropriate college credit is established by the college. The target language itself is used in the class as the medium for communication when possible.

Italian V Honors

LA55 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Italian V Honors widens the student’s cultural perspectives through more advanced reading and listening activities. It continues to refine sophisticated grammatical structure. Reading, writing, and conversation are stressed. The target language itself is used in the class as the medium for communication when possible.

Spanish I

LA58 1 Credit

Level 1 introduces the student to basic pronunciation, intonation, and grammatical structures of the language. It promotes communicative ability in speaking and writing while developing the basic skills of listening and reading. It promotes an awareness of the Spanish-speaking world. Regular practice in the language laboratory to develop listening and speaking proficiency is an integral part of the course.

Spanish I & II Honors

LA60 1 Credit

This level is designed for students who have successfully completed at least two years of another modern world language and are highly motivated to study Spanish. Two years of Spanish are completed in one year. (See course descriptions for Spanish I and Spanish II) It requires the student to work well independently.

Spanish II

LA59 1 Credit

This course concentrates on expansion of vocabulary and grammatical structure while continuing to promote communicative abilities and the development of the four skills. Regular practice in the language laboratory to develop listening and speaking proficiency is an integral part of the course.

Spanish II Honors

LA61 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Level 2 Honors follows the description of Spanish II, but is more intensive in its approach.

Spanish III

LA62 1 Credit

The level 3 course continues to develop the basic skills with emphasis on reading and writing skills. It completes the basic grammatical structures presented in previous levels. The target language is actively used for many class activities which may include small group work, individual study, and class projects.

Spanish III Honors

LA64 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Level 3 Honors follows the description of Level 3, but is more intensive in its approach.

Spanish IV

LA65 1 Credit

Level 4 strives for proficiency through continued reinforcement of the four skills. It promotes an appreciation of other cultures through limited exposure to major historical, literary, artistic, and social trends. Grammar, conversation, reading, and writing are stressed.

Spanish IV E.E.P.

LA63 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

The curriculum and objectives are planned by the Modern World Language Department and approved by a Rhode Island College instructor. The fee for receiving the appropriate college credit is established by the college. The target language itself is used in the class as the medium for communication when possible.

Spanish IV Honors

LA66 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Spanish IV Honors brings all four language skills to a higher level of proficiency. Students write essays and converse freely. Reading skills are increased through the use of a variety of printed materials. Listening skills increase by the use of audio-visual resources in the language laboratory. The target language itself is used in the class as the medium for communication when possible.

Spanish V

LA67 1 Credit

Spanish V continues to reinforce the four basic skills and continues to promote an appreciation of Hispanic culture and exposure to major historical, literary, artistic and social trends. Emphasis is given to reading and writing skills. The target language itself is used in the class as the medium for communication when possible.

Spanish V A.P.

LA70 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

The course syllabus is approved by the A.P. Board. Students who complete this course are eligible to take the Advanced Placement Exam for college. The target language itself is used in the class as the medium for communication. A registration fee is required for the AP exam.

Spanish V E. E. P.

LA69 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

This course is taught in conjunction with the Modern Language Department of Rhode Island College. The course syllabus is approved by the college. The fee for receiving the appropriate college credit is established by the college. The target language itself is used in the class as the medium for communication when possible.

Spanish V Honors

LA68 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

In Spanish V Honors the development of the four basic language skills continues. The target language becomes the means of the language study and not the objective per se. All activities of the class are conducted in the target language. Readings of various genres of literature, oral and written studies, individual practice in the language laboratory, and audio-visual presentations enrich the course. The purpose is to increase language proficiency while developing a deeper insight into Hispanic culture. The medium of instruction and student participation is the target language itself, to the extent possible and practical.

Music

The music curriculum designed to provide opportunities for participation by student performers and non-performers alike. The performing musical organizations, which include orchestra, choruses, and bands, provide the opportunity for student musicians to develop talents begun in the earlier levels of their school education. These performance-oriented groups not only provide this development, but foster school and community spirit as well. Music Theory, Harmony, and Music Appreciation are offered to the entire school population as electives in the fine arts.

Regardless of previous musical training, students may broaden their education through participating in, or study of, some form of music.

The 9-12 Music-Fine Arts Education Curriculum is designed to accomplish the following academic Expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematical, and technological skills.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

Audio Production

MU85 1/2 Credit

Prerequisite: Music Theory I & II (MU58 or MU52 & MU53)

This is a one semester Music Education course taught concurrently with Production Team English IV. These courses, along with Video Production, constitute the Production Team Academy. Supported by content delivered in Production Team English IV, this hands-on, project-based course affords students the opportunity to put their academics into action, working hands-on with modern audio production technology. By learning to capture, create, publish, and respond to music and audio recordings, students will produce their own unique work and strengthen their communication and problem solving skills.

Chorale

MU37 1 Credit

Prerequisite: Permission of the instructor

This performance-based ensemble is a select group of experienced singers who will sing with a high degree of independence more difficult music in a Chorale performance setting. Development of individual solos, improvisation and 4-8 part harmony skills will be included. Repertoire will include music from a variety of genres and historical periods and may be performed in different languages representing many world cultures. After school rehearsals and public performances are required and will count toward the final grade. This course may be repeated for additional credit. This course may be offered on an extended day basis, in which case students will be expected to attend all classes,

rehearsals, and public performances just as they would for courses offered during the regular school day. Only students enrolled in a full ensemble (Band, Orchestra, or Chorus) are eligible for this course.

Chorus Honors

MU92 1 Credit

Prerequisite: Approval by the music instructor.

The course framework of the one-year course will be similar to that of Chorus. Students enrolled in the honors course are required to prepare a grade level 4 solo to be performed as an audition for the music faculty at the beginning of the school year, participate in an Honors recital at their school or perform a solo at a scheduled ensemble concert, participate in the Rhode Island Music Educators Solo and Ensemble Festival by performing a solo of at least a grade 4 level, and meet all school district mandates for staying in an honors program. After school rehearsals and public performances are required and will count toward a final grade.

Class Piano 1

MU54 1/2 Credit

Prerequisite: Demonstrated proficiency in the arts (visual arts or music)

This course will teach basic piano and music reading skills. Students will receive both group and individual instruction. Each student must demonstrate specific skills by playing on the keyboard such things as scales, chord patterns, and songs. Minimal written work will be included concerning the elements of music and notation. However, the majority of this course will be “hands on” skills.

Class Piano II

MU64 1/2 Credit

Prerequisite – Class Piano I

This course is designed as a continuation of Class Piano I and is designed for students who demonstrate a high level of proficiency at the piano and a keen understanding of music reading skills. A more advanced repertoire will be explored.

Concert Band

MU41,61, 62, 63 1 Credit Each

Prerequisite: Permission of the instructor

The Concert Band is available to students who read music and have at least one year’s experience in playing a wind or percussion instrument. The development of music reading ability, tone, technique, phrasing and sight-reading will be stressed. This class is aimed at developing an overall ensemble sound under the direction of a conductor in a large group situation. All students are urged to take private lessons in order to develop the technique necessary to perform music presented in class. Most music explored in this class will be presented in public performances. This course may be taken each year the student is enrolled in the school since there are numerous levels of achievement possible. After-school rehearsals and public performances will count as a graded exercise toward the final mark.

Concert Band Honors

MU82 1 Credit

Prerequisite: Approval by the music instructor

The course framework of the one-year course will be similar to that of Concert Band. Students enrolled in the honors course are required to prepare a grade level 3 solo to be performed as an audition for the music faculty at the beginning of the school year, participate in an Honors recital at their school or

perform a solo at a scheduled ensemble concert, participate in the Rhode Island Music Educators Solo and Ensemble Festival by performing a solo of at least a grade 3 level, and meet all school district mandates for staying in an honors program. After school rehearsals and public performances are required and will count toward a final grade.

Concert Chorus

MU33, 68, 69, 70 1 Credit Each

Prerequisite: Permission of the instructor

This performance-based ensemble will address basic vocal technique, interpretation of vocal scores (up to 4 staves), sight-singing skills, tonal memory and basic music theory. Repertoire will include music from a variety of genres and historical periods and may be performed in different languages representing many world cultures. A study of the role of conductor leading to student conducting will be included. This course is offered in grades 9-12 and may be repeated for credit since there are several degrees of difficulty encountered in the program. After school rehearsals and public performances are required and will count toward the final grade.

Exploring Music 1

MU51 1/2 Credit

This course teaches music as an art. Students will learn how to listen with greater enjoyment as they trace the history of American music from the 1900's through the 1970's. Students will be introduced to the artistic process and cultural connections. Students will learn basic piano skills and music technology. Students will be expected to apply their skills and knowledge to create music. Students will understand the components of different types of musical performances and be expected to attend two evening school performances.

Exploring Music 2

MU83 1/2 Credit

Prerequisite: Exploring Music 1

Exploring Music 2 is the continuation of Exploring Music 1. It will survey American music from the 1980's to modern day. Students will continue with more advanced instruction in piano, voice, and musical technology. Students will again be required to attend two evening school performances and evaluate each performance.

History of Jazz

MU56 1/2 Credit

Prerequisite: Demonstrated proficiency in the arts (visual arts or music)

This course will examine the creation and development of one of the first uniquely "American" art forms, Jazz. Some social and political issues and events in 20th Century America will be explored through the study of both vocal and instrumental jazz. Activities will include listening, analyzing, reading, discussion, projects, videos and improvisation. (Strongly recommended for members of Jazz Band and Jazz Chorus.)

Jazz Band

MU46 1 Credit

Prerequisite: Permission of the instructor.

The Jazz Band is available to students who have at least one year of experience in playing an instrument that will complement the orchestration of a standard jazz ensemble. The development of music reading

ability, tone, technique, phrasing, and improvisation in the material explored in the small ensemble medium will be stressed. Most music explored in this class will be presented in public performances. Public performances will count as a graded exercise toward the final mark. All instructional time is programmed beyond the parameters of the school day. Students enrolled will be expected to attend all classes and rehearsals just as they would for classes scheduled within the school day. This course may be taken each year the student is enrolled in the school since there are numerous levels of achievement possible. Only students enrolled in a full ensemble (Band, Orchestra, or Chorus) are eligible for this course.

Jazz/Show Choir

MU34 1 Credit

Prerequisite: Permission of the instructor

This performance-based ensemble is a select group of experienced singers who will sing with a high degree of independence more difficult music in a Show or Jazz Choir performance setting. Development of individual solos, improvisation and 4-8 part harmony skills will be included. Repertoire may include genres of Jazz, Pop, Rock, Broadway, and Barbershop. After school rehearsals and public performances are required and will count toward the final grade. This course may be repeated for additional credit. This course may be offered on an extended day basis, in which case students will be expected to attend all classes, rehearsals, and public performances just as they would for Band, Orchestra, or courses offered during the regular school day. Only students enrolled in a full ensemble (Band, Orchestra, or Chorus) are eligible for this course.

Music Independent Study

MU57 1/2 Credit

Prerequisite – Current Instrumental or Vocal Student and Permission of the instructor

This course affords the advanced music student an opportunity to fine tune their skills. An advanced solo performance repertoire will be explored.

Music Technology and Sound Engineering

MU88 1 Credit

Prerequisite Music Theory I & II

Students will explore the fundamental applications and tools of music technology and sound engineering. As they create and learn its terminology, students will also learn the history and aesthetic development of technology used to capture, create and distribute music. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

Music Theory I

MU52 1/2 Credit

This course is aimed at developing a better understanding and appreciation of how music is written. It will proceed from the most fundamental techniques of music writing to a level appropriate to the particular class. It will acquaint the student with written harmony, keyboard harmony, ear training, sight singing, and opportunities will be given for creative writing. No formal music training is required to enter this course.

Music Theory II

MU53 1/2 Credit

Prerequisite: MU52

Music theory II is the continuation of music Theory I. Along with an intensive study of chords and progressions, it also deals with the areas of orchestration, arranging and transcription.

Music Theory A.P.

MU86 1 Credit

Prerequisite – Approval of the instructor.

The ultimate goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a musical score. The achievement of this goal will be promoted by integrated approaches to the students' development of aural, sight-signing, written, compositional, and analytical skills through listening, performance, written, creative, and analytical exercises. This course will instill mastery of the rudiments and terminology of music, including notation, intervals, scales, and keys, chords, metric organization, and rhythmic patterns. A fee is required for the AP exam.

Orchestra

MU43 1 Credit

Prerequisite: One or more years of experience playing a musical instrument.

This course is for students who play any musical instrument. The focus of this course will be on music reading, sight reading, tone, technique and phrasing to develop an overall ensemble sound under the direction of a conductor in a large group setting. These factors, as well as, attendance, active participation and preparedness, will be assessed. This course may be taken each year the student is enrolled in the school, since there are numerous levels of achievement possible. After school rehearsals and public performances are required and will count toward the final grade.

Orchestra Honors

MU47 1 Credit

Prerequisite: Approval by the music instructor

The course framework of the one-year course will be similar to that of Orchestra. Students enrolled in the honors course are required to prepare a grade level 3 solo to be performed as an audition for the music faculty at the beginning of the school year, participate in an Honors recital at their school or perform a solo at a scheduled ensemble concert, participate in the Rhode Island music Educators Solo and Ensemble Festival by performing a solo of at least a grade 3 level, and meet all school district mandates for staying in an honors program. After school rehearsals and public performances are required and will count toward a final grade.

Piano Independent Study

MU65 1 Credit

Prerequisite – Class Piano I & II

This course affords the advanced piano student an opportunity to fine tune skills at the keyboard as well as advanced music reading skills. An advanced solo performance repertoire will be explored.

Physical Education

The function of the elementary and secondary schools is to provide experiences that will lead to the fullest development of students, both in their adolescent years and in adult life. Physical Education in Warwick serves part of the total education that contributes to the development of the individual through the medium of physical activity. Physical Education provides experiences needed by students that cannot be offered in any other part of the curriculum. Hence, the unique contributions of Physical Education lie in the realm of physical fitness and are derived through participation in several varying activities.

The 9-12 Physical Education Curriculum is designed to accomplish the following academic expectations:

5. Demonstrates positive health habits, including physical exercise, in order to enhance physical and emotional well being

Body, Mind, & Movement

PE111 1/2 Credit

Do you desire change? Body, Mind, and Movement promotes ease of movement and supports transformation on physical, emotional and spiritual level. This class will introduce you to the fundamentals of dance somatic. This is an exciting fusion of yoga, dance and Pilates that integrates the body, mind and spirit for a less stressful, more joyful life. Whether you are an athlete, an experienced dancer or have no experience in sport at all, you can learn to move in a way that increases your mind and body connection.

Fitness for Life

PE114 1/2 Credit

This course will expose students to exciting and innovative methods of maintaining and/or improving their fitness level. This includes the physical, mental, and science of exercise and nutrition as it applies to personal fitness management.

Leaner, Faster, Stronger

PE112 1/2 Credit

Are you looking to lose weight or drop your body fat? Would you like to get stronger and leaner? Are you ready to take it to the next level? If so, this course is for you! You will gain knowledge, skills, and competence to conduct fitness assessments and set personal goals towards a healthier lifestyle.

Physical Education

PE31 1/2 Credit

PE41,51,61 .25 Credit Each

The senior high school physical education program offers students opportunities to further develop skills from various sports and activities. Concentration is on game play, fitness, and participation.

Spartan Challenge

PE115 1/2 Credit

This course will feature an advanced physical regimen that will enhance the skills required for success in today's police and fire academies as well as military camps. Life skills such as navigation, proper nutrition, and public speaking will be addressed. This class will include ASVAB prep lessons which will ensure the best possibility of a student passing the test to qualify for these programs. This course is open to all students.

Surviving the Wild

PE113 1/2 Credit

This one semester "hands on" course will educate students on the various unique skills involved in wilderness survival. Students will have the opportunity to practice and apply these unique skills in an actual outdoor environment. Students will experience similar skills often portrayed in survival documentaries.

The History of Sport

PE116 1/2 Credit

Are you a sports fan? Where did the first sporting events take place? How did sports come about? A look into the American sporting culture can teach us meaningful lessons about American history. This course will trace the historic development of American and World sporting culture themes of ethnicity and gender, consumerism and mass media that have shaped contemporary sporting culture. This course will provide a history of sport as well as focus on trends and issues in sports around the world.

Science

The following course descriptions are intended to provide the students with an insight into the various courses of science education available to them.

The science department is dedicated to fostering learning, which enables students to become aware of their everyday environment. Teaching methods are focused on learning levels which develop critical and evaluative thought processes, as well as basic skill development in the natural sciences. Scientific concepts are stressed to allow a student to prepare for situations which will require application of self-judgment and evaluation of alternatives to problems. Use of computer technology and multimedia is encouraged in all courses.

The Science Education Curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematical, and technological skills.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

Applications of Biotechnology and Biomanufacturing Laboratory Program **SC87 1 Credit**

Prerequisites: SC41, SC51 or SC52, SC61 or SC62, and SC86

Application of Biotechnology and Biomanufacturing is a full year course and the second component of the Biotechnology Career Academy. In this course, students will work in a hands-on, lab-based setting that applies the concepts they learned in Fundamentals in Biotechnology. The particular focus will be the application of these concepts using the knowledge constructed in the first course as well as their greater understanding of the physical world gained by completing a chemistry course. They will master skills necessary to work in the business of biotechnology, particularly in downstream processing and biomanufacturing. A main component for the course will be the completion of a biomanufacturing process as an independent research project that utilizes problem-solving, inquiry, self-direction and biotechnology skills.

Astronomy **SC71 1/2 Credit**

Prerequisite: 2 years Science

As the oldest science known to man, astronomy can play an important role in understanding the evolution of man's thoughts about the universe. Our main concentration will be on the development and implications of the Standard Model of Cosmology, a.k.a. Big Bang Theory. New and old discoveries regarding the planets, stars, supernovas, telescopes, and spacecraft are a few topics covered in this course.

Biology I

SC51 1 Credit

Laboratory Program

This course is a study of life which looks at molecules, cells, and organisms and their relationship to each other and the world they inhabit. It builds on the understanding of cells and moves through reproduction and genetics, as students learn how organisms have evolved from simple to complex life forms. Students will apply the principles of the scientific method, both in their thinking and in their laboratory work. A few topics studied are cell parts, microscopes, inheritance and genetics, evolution, ecology, human biology, and a brief survey of the kingdoms.

Biology I Honors Laboratory Program

SC52 1 Credit

Prerequisite: Previous Science “Honors” standing or students who meet honors criteria.

Biology I Honors includes the same topics as the Biology I course. Participants in honors courses, because of previous acceleration or enrichment, are required to study material in greater depth than students in regular courses. More difficult material is often included and more application is demanded of participants.

Biology II Laboratory Program

SC58 1 Credit

Prerequisite: SC43 or SC51 or SC52

This is a biology course designed for students interested in science and wish to continue their study of biology to include more topics like anatomy and classification of the plant kingdom, microbiology and the environment. The course will include lectures, discussions, laboratory work and independent studies. Teachers are permitted some freedom in topic selection based upon input of students and new scientific developments. Quarterly projects are required.

Biology II A.P. Laboratory Program

SC85 1 Credit

Prerequisite: SC52 & SC63 or students who meet honors criteria.

The AP Biology course is designed to be the equivalent of a college introductory Biology course. A broad range of topics will be covered including cells, biochemistry, genetics, evolution, organism diversity, structure and function of organisms, and ecology. Students will be expected to work and learn independently at times, as well as perform and analyze college-level labs. This course has a strong lab component. At the completion of the course, students are expected to take the AP exam. Success on the exam fulfills the basic requirement for a science course or in certain cases allows students to bypass introductory biology courses in college. A registration fee is required for the AP test.

Biology II EEP

SC88 1 Credit

The Rhode Island Early Enrollment Program allows students to earn college credit for work completed in high school. This course is taught in conjunction with the Science Department of Rhode Island College. The fee for receiving the appropriate college credit is established by the college.

Biology II Medical Laboratory Program

SC55 1 Credit

Prerequisite: SC51 or SC52

This course is an introduction to the study of the human body for students considering pursuit of a career field related to the medical profession. It examines the anatomy and physiology of several human body systems such as the skeletal, muscular, digestive, and nervous systems. Dissection of a mammal (e.g. cat or fetal pig) is an integral aspect of this course. Students are expected to work independently and in small groups.

Biology II Medical Honors Laboratory Program

SC54 1 Credit

Prerequisite: SC52 or students who meet honors criteria.

This course is an introduction to the study of the human body for students considering pursuit of a career field related to the medical profession. It examines the anatomy and physiology of several human body systems such as the skeletal, muscular, and nervous systems. Dissection of a mammal (e.g. cat or mink) is an integral aspect of this course. Students are expected to work independently and in small groups. Quarterly projects are required. (Some part of the year may be determined by the teacher and/or students.)

Chemical Science

SC61 1 Credit

Prerequisite: SC41

Chemical Science is an introduction to the basic principles of chemistry, de-emphasizing the use of mathematics. It is designed to give students an understanding of our world through chemistry. Topics include extensive use of the periodic table, formation of compounds, chemical bonding and reactions, chemical reactions with equations, behavior of gasses, and nuclear chemistry.

Chemistry I Laboratory Program

SC62 1 Credit

Prerequisite: SC41 & Algebra I

This is a mathematical and problem-solving based course designed to introduce students to the basic principles and laboratory techniques of general chemistry. Topics covered include atomic structure, bonding, basic reactions, states of matter, stoichiometry, gases, energy, and dimensional analysis.

Chemistry I Honors Laboratory Program

SC63 1 Credit

Prerequisite: Previous "Honors" standing or students who meet honors criteria

This course includes the same topics as the Chemistry I course. Participants in honor courses, because of previous acceleration or enrichment, are required to study material in greater depth than students in regular courses. More difficult material is often included, and more application is demanded of participants. Quarterly performance tasks are required.

Chemistry II A.P. Laboratory Program

SC68 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Course Prerequisites: Chemistry I and Algebra 2

Topics discussed in Chemistry I Honors and the skills acquired will be extended and expanded. More difficult material is often included and more application is demanded of participants. This course is designed for students who are interested in pursuing a STEM career. Topics include atomic theory, the quantum mechanical atom, VSEPR theory, chemical reactions, reactions in aqueous solution, the periodic table and periodicity, the mole concept, stoichiometry. Thermodynamics, equilibrium, acid/base chemistry, acid/base equilibrium, kinetics, electrochemistry, solutions, intermolecular forces, and gases. Quarterly projects are required. Students are required to take the AP exam in order to receive AP credit. A registration fee is required for the AP exam.

Chemistry II EEP

SC69 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Course Prerequisites: Chemistry I and Algebra 2

The Rhode Island Early Enrollment Program allows students to earn college credit for work completed in high school. This course is taught in conjunction with the Science Department of Rhode Island College. The fee for receiving the appropriate college credit is established by the college.

Chemistry II Honors Laboratory Program

SC64 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Course Prerequisites: Chemistry I and Algebra 2

This chemistry course integrates hands-on laboratory experience with problem solving techniques in order to explore advanced topics in chemistry. The course includes a deeper look at topics covered in Chemistry 1 such as atomic theory, the quantum mechanical atom, VSEPR theory, chemical reactions, reactions in aqueous solution, The Periodic Table and periodicity, the mole concept, stoichiometry. Thermodynamics, equilibrium, acid/base chemistry, acid/base equilibrium, kinetics, electrochemistry, solutions, intermolecular forces, and gases.

Contemporary Issues in Science

SC80 1 Credit

Prerequisite: 2 years of Science

This course is designed to analyze and relate contemporary issues and recent developments in Biology, Chemistry, and Physics. The emphasis of this course will be on the awareness of recent discoveries and their implications on our lives. The moral and ethical issues of these developments will be examined and discussed. This course will provide students an opportunity to utilize multimedia and computer technology so that they can become better informed.

Environmental Science I

SC57 1/2 Credit

Prerequisite: 2 Years of Science

Environmental Science is a course that enables students to develop an understanding of the natural environment and the environmental problems the world faces. Students will investigate fundamental ecological principles, human population dynamics, natural resources, energy sources and their use,

human interaction with the environment, and personal and civic responsibility. It is the expectation that students will explore the content of Environmental Science through inquiry. This science course will utilize group lab and field experiences to meet these expectations. Particular emphasis will be placed on local environments. Students will develop a basic understanding of ecology as a basis for making ethical decisions and career choices.

Environmental Science II

SC60 1/2 Credit

Prerequisite: 2 years of Science

This course focuses on additional topics in environmental science like human population dynamics and the effect of human population on food, land and biological resources. It also looks at environmental issues, policies and laws at the state and national levels.

Forensic Science I

SC65 1/2 Credit

Prerequisite: 2 years of Science

In this course, we will focus our discussion primarily on those areas of chemistry, biology, physics, and geology that are useful for determining the evidential value of a crime-scene and relating evidence. Topics include but are not limited to the history of forensic science, fingerprints, blood spatter evidence, the use of DNA evidence in forensics, and hair and fiber evidence. We will attempt to focus on the services of what has popularly become known as the crime laboratory. It is here that the principles and techniques of the physical and natural sciences are practiced and applied to the analysis of crime-scene evidence. As we learn how to evaluate the importance of physical evidence, we will study some of the more famous crime cases and show how the physical evidence was used to solve these cases. This course has a strong laboratory component.

Forensic Science II

SC67 1/2 Credit

Prerequisite: SC65

This course is for students who wish to continue their studies in the area of forensic science. It will tackle topics such as instruments used in toxicology and arson investigations, the job of the medical examiner and coroner, forensic anthropology, entomology, poisons, arson, ballistics, explosives and acts of terror, chromatography, chemical analysis, toxicology, arson, document analysis, and the technology necessary in these disciplines.

Fundamentals of Biotechnology Laboratory Program

SC86 1 Credit

Prerequisite: SC41 and SC51 or SC52

Fundamentals of Biotechnology is a full year course and a prime component of the Biotechnology Career Academy. In this course, students will work in a hands-on lab setting as they build the skills necessary in a complex biotechnology working environment. Students will learn the science and business of biotechnology so that they are better prepared to make decisions about their futures and the issues impacting society. A prime component of the course will be an independent research project where research skills and self-directness will be stressed.

Geology

SC83 1/2 Credit

Prerequisite: 2 years of Science

This course will focus on the processes that occur on an active planet, our earth. Attention will be directed toward how these processes affect our lives. Topics will include: Ground water resource and pollution, landforms and erosion, volcanism and earthquakes, earth materials and their uses, earth history and continental drift.

Intro Physical Science

SC41 1 Credit

This laboratory course is designed as a survey course for topics in earth and space science, physics, and chemistry. Students will review measurement in the metric system, earth and space science, and energy in the first semester. During the second semester, students will study electricity, magnetism, forces and motion, the electromagnetic spectrum, and waves.

Life Science

SC43 1 Credit

Life Science is a Lab course that is designed to offer the student a practical understanding of major biological topics with a reduced emphasis on mathematics and chemistry. Students obtain the background information needed to analyze scientific information about the natural world. Topics include ecology, classification, evolution, basic microbiology and genetics. This course has a regularly scheduled laboratory component.

Marine Science

SC91 1 Credit

Prerequisite: 2 years of Science

Marine Science focuses on marine and estuary fauna and ecology. The course will utilize wet and dry labs including a year- long aquarium set-up. Topics include: general, oceanography introduction, water chemistry studies and problem solving. Field studies of local environments, taxonomy and species identification will be the laboratory work as weather permits in fall and spring.

Physical Science

SC72 1 Credit

Prerequisite: SC41

This practical physics is not intended to give the student a rigorous preparation necessary for science majors but rather to turn the student on to a more perceptive view of his physical environment by introducing him to central ideas, principles, and relationships of physics relating to his everyday environment. This course is intended to enable the student to discover that all the diverse phenomena of nature are related by surprisingly few concepts.

Physics I Laboratory Program

SC73 1 Credit

Prerequisite: Algebra 1

The primary objective of this first course in physics is to provide the student with a better understanding of his physical environment. Classical mechanics is investigated by studying such topics as statics (forces acting on bodies at rest), dynamics (forces acting on bodies in motion), measurement, momentum, work and power, and energy. Laboratory work is an important part of this course.

Physics I AP Laboratory Program

SC78 1 Credit

Prerequisite: Algebra 1

Physics I AP is recommended for students interested in a career in science or technology. The course is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics; mechanical waves and sound; and simple circuits. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills. This course may be taken instead of Physics 1 or Physics 1 Honors. A fee is required for the AP exam.

Physics I Honors Laboratory Program

SC74 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria

Course Prerequisite: Algebra 1

The primary objective of this first course in physics is to provide the student with a better understanding of his physical environment. Classical mechanics is investigated by studying such topics as statics (forces acting on bodies at rest), dynamics (forces acting on bodies in motion), measurement, momentum, work and power, and energy. Laboratory work is an important part of this course. Participants in the honors course, due to previous acceleration or enrichment, are required to study material in greater depth than students in regular courses. More difficult material is included and more application is demanded of participants. Quarterly projects are required.

Physics II AP Laboratory Program

SC78 1 Credit

Prerequisite: Physics 1, Physics 1 Honors, or Physics 1 AP

Physics II Honors/AP is an algebra-based, introductory second semester college-level physics course that explores topics such as fluids; thermodynamics; electrical circuits with capacitors; electromagnetism; optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. A fee is required for the AP exam.

Physics II Honors Laboratory Program

SC75 1 Credit

Prerequisite: Physics 1, Physics 1 Honors, or Physics 1 AP

Physics II Honors is an algebra-based, introductory second semester college-level physics course that explores topics such as fluids; thermodynamics; electrical circuits with capacitors; electromagnetism; optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

Science through Technology

SC76 1 Credit

Prerequisite: SC41

Science through Technology is an integrated basic physical science and technology course. Through the use of lectures, demonstrations, hands-on activities and a multimedia approach, students will apply math and science skills to solve technological design problems. Students will experience and understand the link between technology and science and recognize real world applications of both science and technology.

Social Studies

In a democratic society, it is absolutely essential that all people are not only informed but also have sufficient, substantive and accurate information to make reasonable, rational choices and decisions. Our philosophy obligates teachers to assist all students to function intelligently and have an equal responsibility to master a certain core of knowledge and skills in the social sciences. It seems wise and proper that all students approach their study of humanity through an analysis and interpretation of subject matter within a thinking, standards-based curriculum.

We believe that our social studies program should develop active, patriotic citizens, appreciative of the privileges and cognizant of their responsibilities and rights. We also believe that our program should utilize performance-based assessments, and incorporate literacy skills within the social studies curriculum.

The 9-12 Social Studies Education Curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematical, and technological skills.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

American Civics

SS88 1/2 Credit

This one semester mandatory course focuses on the basic components, knowledge, and understanding of American government. It highlights the origins of the American political and economic systems in Reformation and Enlightenment ideology. Principles in representative democracy will be targeted. Students will thoroughly examine primary documents such as the *Declaration of Independence* and the *United States Constitution*, as well as probing significant Congressional and Rhode Island General Assembly laws and landmark *United States Supreme Court* decisions.

American Legal System

SS72 1/2 Credit

This one semester course is designed for students interested in learning about the law and the legal profession. The primary aim of the course is to explain legal principles in non-legal language. The topics covered include what law is, different types of law, marriage laws, parent-child laws, divorce laws, contracts, wills, civil law and criminal law.

Anthropology

SS83 1/2 Credit

This course is a one semester study of mankind's characteristics and customs. It will highlight human interactions with nature, culture, and language. The techniques and resources of modern science will be utilized.

Basic Urban Sociology

SS95 1 Credit

This two semester course starts with a systematic exploration of the origins of modern urban life. Once this groundwork has been established, a detailed examination of contemporary urban life is begun. The topics covered include: race relations, poverty, old age, crime and population control. During the second semester students must meet a 30 hour community service requirement.

Contemporary Issues

SS76 1/2 Credit

This one semester course provides the format for an investigation of pressing social, political, economic, military, and religious issues. Students are encouraged to develop a mature level of awareness of local, national and international affairs through multiple sources of information such as periodicals, electronic media, and film.

Eastern Civilization

SS54 1 Credit

This one-year course will require that the student study cultural units of Eastern Asia including China, Japan, and India. Other culture areas that may be studied at the option of the particular class will include The Middle East, Japan, and Southeast Asia.

Eastern Civilization Honors

SS55 1 Credit

Prerequisite: Previous "Honors" standing or students who meet honors criteria with Department Chair/Administrator approval

The course framework of the one-year course will be similar to that of Eastern Civilization. This more rigorous and in-depth approach to the subject requires reading, writing, and research skills.

Economics

SS81 1/2 Credit

Economics is the study of the production, exchange, distribution and consumption of goods and services. Once the basic terminology has been mastered, the one semester course will deal with the particular aspects of our economy (microeconomics) and the study of the economy as a whole (macroeconomics). A unit on consumerism is an integral part of this course.

European History A.P.

SS63 1 Credit

Prerequisite: Previous "Honors" standing or students who meet honors criteria with Department Chair/Administrator approval

This course framework runs from early classic civilizations through modern times. Students who complete this course are expected to take the Advanced Placement exam. A registration fee is required for the AP exam.

European History EEP

SS60 1 Credit

This course is designed to trace major European events/movements from the Black Death to the fall of the Soviet Union. The course will proceed thematically examining the social, political, religious, and economic issues from each defined time period. Students enrolled in the Early Enrollment Program (EEP) are dual registered as Rhode Island College Students. Students may be eligible to earn 3 college credits transferable to any institution which accepts Rhode Island College credits.

Geography

SS80 1/2 Credit

Beginning with a brief study of the physical components of geography, the one semester course ultimately aims to emphasize human interaction with the land. The course seeks to develop map skills along with the ability to interpret information that will illustrate humankind's use of the physical earth and resulting cultural development.

Global Studies Honors

SS92 1 Credit

Prerequisite: Previous "Honors" standing or students who meet honors criteria with Department Chair/Administrator approval

This full year course examines the geographical, economic, political, historical and cultural issues which have impacted societies around the globe. This more rigorous and in-depth approach to the subject requires reading, writing, and research skills.

Human Geography A. P.

SS86 1 Credit

Prerequisite: Previous "Honors" standing or students who meet honors criteria with Department Chair/Administrator approval

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surfaces. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They will also learn about the methods and tools that geographers use in their science and practice. This course combines historical, sociological, cultural, and geographic concepts. A registration fee is required and students take the AP exam.

Human Geography Honors

SS87 1 Credit

Prerequisite: Previous "Honors" standing or students who meet honors criteria with Department Chair/Administrator approval

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surfaces. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They will also learn about the methods and tools that geographers use in their science and practice.

Introduction to Psychology

SS93 1/2 Credit

This program explores and examines human personality with an emphasis on understanding certain behaviors. Course topics include personality development from infancy to adulthood; personality

disorders; intelligence and learning; and, psychological evaluation. Basic philosophies in psychology are also examined.

Introduction to Sociology

SS85 1/2 Credit

Introduction to Sociology is an introductory one semester course in the scientific examination of social relationships. A systematic and rational approach is taken to such topics as social values, social control, social institutions, social inequality and various universal social processes.

Modern World History

SS49 1/2 Credit

Emphasis is placed on modern global issues in terms of a historical perspective. Special attention is focused on major events and/or issues which impact the contemporary world. The course structure provides opportunities for students to familiarize themselves with the geographical, economic, and political issues which confront them daily. One major goal of the program is to help students develop “global awareness” and an understanding of current world problems.

Rhode Island History

SS74 1/2 Credit

The one semester course focuses on the geography and the historical development of the state from 1636 to the present. Particular emphasis will be placed on the following areas: geography, settlement, The American Revolution, Industrialization, immigration and the Twentieth Century.

Studies of War

SS59 1/2 Credit

This one semester course attempts to show the interrelation of war and society. Topics include what war is, why wars occur, what has been the nature of war in the past, what it will be like in the future, and how war can be avoided.

United States History

SS42 1 Credit

This course is required of all 10th grade students. It is a study of the historical periods from the Gilded Age to the present. Emphasis is placed on the development of inquiry skills and the acquisition of knowledge in order to increase student understanding of our cultural heritage.

United States History A. P.

SS47 1 Credit

Prerequisite: Previous “Honors” standing or students who meet honors criteria with Department Chair/Administrator approval

This course framework involves the study of American political, social and economic history from the period of colonization to the present. Students will be introduced to a variety of primary sources/documents to use in their interpretation of historical events. This course requires extensive reading and completion of various forms of assessments, including essays, papers, projects and oral presentations. A fee is required for the AP exam.

United States History Honors **SS44 1 Credit**

Prerequisite: Previous “Honors” standing or students who meet honors criteria with Department Chair/Administrator approval

The course framework is similar to the description of United States History. This more rigorous and in-depth approach to the subject requires reading, writing, and research skills.

Western Civilization **SS52 1 Credit**

This course, a study in European history, humanities, art appreciation and philosophy, focuses on concepts and topics dealing with Classical, Christian and Jewish heritage, the Renaissance, the French Revolution, and Eighteenth and Nineteenth century reform movements. Twentieth Century issues are also addressed.

Western Civilization Honors **SS53 1 Credit**

Prerequisite: Previous “Honors” standing or students who meet honors criteria with Department Chair/Administrator approval

This course framework will be similar to that of Western Civilization. This more rigorous and in-depth approach to the subject requires reading, writing, and research skills.

World History **SS41 1 Credit**

This is a required course for all 9th grade students. It is a study of Classical Civilizations to the Age of Revolution. Although European developments predominate, ample attention is paid to the non-European aspects of world history.

World History Honors **SS43 1 Credit**

Prerequisite: Previous “Honors” standing or students who meet honors criteria with Department Chair/Administrator approval

Similar in content to the description of World History, this more rigorous and in-depth approach to the subject requires reading, writing, and research skills.

Technology Education

Technology Education is an integral part of general education for all students. Technology Education courses prepare students for more effective living in our ever-evolving technological society. Technology Education courses are designed to reinforce Science, Technology, Engineering, Mathematics (STEM) concepts through hands-on, applied learning projects.

Our students will be challenged to apply technology research, communicate, experiment, and develop solutions to “real world” experiences. Through Technology Education, students are taught to investigate, critically think, and develop problem solving skills needed to solve individual and/or group learning activities. Technology Education courses promote teamwork, consumer awareness, computer literacy, safe use and maintenance of technology and exposure to current and future career opportunities.

The 9-12 Technology Education curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematical, and technological skills.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

Advanced Robotics for Competition

TE177 1 Credit

Prerequisite: TE171 or TE174 & TE175 or approval from instructor

This course is a continuation of Robotics and Engineering Technology. Students in this course will create advanced programming of robots for competition. The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics, focusing on micro-controllers, autonomous mobile robots and real world applications. Information presented in class will be linking to lab experiments. Students will work in teams to build and test increasingly more complex LEGO-based mobile robots. Students will apply what they have learned through a series of robot contests. Students will explore materials in greater depth than Robotics 1.

Architectural Computer Aided Drafting & Design I

TE156 1 Credit

This is a basic architectural course dealing with the designing, drawing and construction practices involved in building a residence. Through CADD drawings, the student will come to understand the various aspects of home design, and will develop those necessary technical skills that enable him/her to communicate and express his architectural ideas in a comprehensive, efficient, and creative manner.

Architectural Computer Aided Drafting & Design II

TE157 1 Credit

Prerequisite: TE 156

This is an advanced Architectural CADD course for students who want to continue with Architectural CAD. Students will study residential architectural topics such as “Universal Design”, alternative construction, and energy efficient homes. Students will have the opportunity to use 3D CAD software to develop a small residence.

Automotive Technology I

TE191 1 Credit

This course provides an introduction to auto mechanics. Areas of concentration include: engines, transmissions, chassis, troubleshooting, safety information, fundamental principles of operation, and basic service procedures. Content is described in simple, non-technical language. Instruction is provided as to how cars are constructed, how the parts work, causes of malfunctions, and what is required to achieve top performance.

Automotive Technology II

TE192 1 Credit

Prerequisite: TE 191

This course is a continuation of Auto I. The students gain in depth experience working with various automobile subsystems. The student will have hands-on automotive experiences in problem solving diagnosis and maintenance procedures.

Automotive Technology III

TE193 1 Credit

Prerequisite: TE 192

This is a full year advanced class in Automotive for students who are planning a career in the transportation industry. This course is an in depth study of major aspects to the auto industry.

Building Structures

TE166 1/2 Credit

This half year exploratory course introduces the student to the basic elements of constructing structures. Activities include research into various types of structures as well as designing and building of scale models. These models are tested under various loads for strength and integrity.

CADD Early Enrollment Program

TE155 1 Credit

This course is a full year class designed for the student that needs a background in computer drafting to pursue engineering or other technical programs upon graduation. The student learns the basic use of the computer to produce technical drawings to technical standards and specifications. Students continue into highly technical drawings by utilizing advanced techniques. Students are presented with an assortment of engineering problems that prepare them for their chosen field. The Rhode Island College Early Enrollment Program allows students to earn college credit for work completed in high school. The fee for receiving the appropriate college credit is established by the college.

Computer Graphics I

TE144 1/2 Credit

Graphics is a course designed to introduce the student to computer-generated communication systems primarily in “print” format. Graphic designers develop the overall layout and production design of magazines, newspapers, journals, corporate reports, and other publications. Students will work individually to complete several hands-on projects that provide creative problem solving opportunities for practicing basic techniques in designing and creating effective promotional pieces, publications, and any other print format project.

Computer Graphics II

TE145 1/2 Credit

Prerequisite: TE144

This is a continuation of the Computer Graphics I course (TE144). This course enables students to advance their knowledge and skills in computer graphics.

Digital & Video Communications I

TE147,148 1/2 Credit Each

TE 137 1 Credit

This course will introduce students to the communications field of digital video media and the elements and skills needed to produce a video. The course will involve students in all aspects of pre/post video production. This is a hands-on, project-based course that teaches students how to use video editing software to edit both individual and group video projects. Students will also have the opportunity to gain knowledge of the latest technology available in the field of video media. A completion of hands-on assignments and projects, covering an array of topics and skills will enable the students to learn and practice professional video techniques. This course allows the student to build digital video making skills by having them conceive, create, write, storyboard, record, edit, and finalize files for various media delivery formats. Topics covered may include, but are not limited to: history of video production, terminology, safety, basic equipment care and use, script writing, production teams, Video Composition, Camera Shots & Movements set production, lighting, recording and Digital Non-Linear Editing and professional ethics.

Digital & Video Communications II

TE138 1 Credit

Prerequisite: TE 147 & 148 or TE137

This course will expand on the basics taught in Digital Video I. Emphasis is placed on the advanced principles and techniques in pre/post-production, editing techniques, studio and engineering procedures, and live broadcast skills including special effects techniques, critical shot selection, and effective sound editing. This is a hands-on, project-based course that teaches students how to use video equipment and editing software to edit both individual and group video projects.

Electricity & House Wiring

TE185 1/2 Credit

This course includes the study of electrical theory including simple electrical circuits, (voltage, current, and resistance) series and parallel circuits, conductors and electric motors. Students will also be introduced to the principles and techniques of good house wiring. Safe wiring practices will be stressed throughout the course. The student will learn how to safely wire the basic circuits found in the home.

Home & Auto Ownership

TE178 1/2 Credit

This course is designed to expose the student to a wide variety of common problems related to purchasing and maintaining a home and automobile. A wide range of topics will include but are not limited to plumbing, carpentry, house wiring, and auto maintenance. The student will be able to identify problems and intelligently discuss the problem with professionals in order to determine the best course of action to resolve the problem. Through basic financing concepts, students will develop cost effective solutions to given consumer situations.

Independent Study Construction Manufacturing Technology

TE169 1 Credit

Prerequisite: Minimum of 2 credits in related courses

Approval of Department Chair/Teacher/Administrator

This course is designed for the exceptional student that has already completed course work in this area and has exhausted the traditional course offerings. The student will choose an area of concentration in Construction and Manufacturing Technology to perform advanced work. The student will be expected to research and experiment this area fully in order to understand the technologies being used as well as its applications. The instructor will directly oversee the student's work, to ensure that the student is performing at the expected level.

Independent Study Current Issues in Technology

TE179 1/2 Credit

Prerequisite: Minimum of 2 credits in related courses.

Approval of Department Chair/Teacher/Administrator

This course is designed for the exceptional student that has already completed course work in this area. This class has a teacher directed curriculum that covers some of the many topics in technology today. Students are presented with current problems related to technology. The student attempts to resolve this problem by doing research and experimentation. Topics may include: environmental issues, social impact of technology, and innovative designs to solve current problems.

Independent Study in Communication Technology

TE159 1 Credit

Prerequisite: Minimum of 2 credits in related courses

Approval of Department Chair/Teacher/Administrator

This course is designed for the exceptional student that has already completed course work in this area and has exhausted the traditional course offerings. The student will choose an area of concentration in Communication Technology to perform advanced work. The student will be expected to research and experiment this area fully in order to understand the technologies being used as well as its applications. The instructor will directly oversee the student's work, to ensure that the student is performing at the expected level.

Independent Study Transportation/Power/Energy Technology **TE189 1 Credit**

Prerequisite: Minimum of 2 credits in related courses.

Approval of Department Chair/Teacher/Administrator

This course is designed for the exceptional student that has already completed course work in this area and has exhausted the traditional course offerings. The student will choose an area of concentration in Power and Energy Technology to perform advanced work. The student will be expected to research and experiment this area fully in order to understand the technologies being used as well as its applications. The instructor will directly oversee the student's work.

Independent Study in Transportation Technology **TE199 1 Credit**

Prerequisite: Minimum of 2 credits in related courses.

Approval of Department Chair/Teacher/Administrator

This course is designed for the exceptional student that has already completed course work in this area and has exhausted the traditional course offerings. The student will choose an area of concentration in Automotive Technology to perform advanced work. The student will be expected to research and experiment this area fully in order to understand the technologies being used as well as its applications. The instructor will directly oversee the student's work, to ensure that the student is performing at the expected level.

Introduction to Career and Tech Programs **TE120 1/2 Credit**
TE 121 1 Credit

This course introduces students to each of the programs offered at the Career and Tech Center. Through a hands-on curriculum, students will explore the many and varied programs. Students will learn about the career, education required, and skills needed. Students will select two programs to further explore with a culminating project.

Materials Processing Technology I **TE160,164 1/2 Credit Each**
TE161 1 Credit

This course introduces the student to the processing of wood and related materials. Students use problem-solving skills to design and fabricate various items. They will learn about accurate measurements, craftsmanship and how to become a wise consumer. A combination of group and individual activities, including a study of mass production is introduced. Related areas and career opportunities are also explored. This course may be taken as either a full year course or two half year courses. Students must finish the first 1/2 year course (Part A) in order to enroll in the second 1/2 year course (Part B).

Materials Processing Technology II **TE162 1 Credit**
Prerequisite: TE 161

This course begins with a review of the design process as well as the use of tools and machines. The student will study various methods of producing products using wood and/or related materials. Mass production activities will be used to demonstrate concepts used in the real world. Self-directed activities, jigs and fixtures will be introduced.

Materials Processing Technology III

TE163 1 Credit

Prerequisite: TE 162

This is a full year advanced class in woods. Students learn how to produce highly sophisticated objects using various advanced procedures. Students must research occupational information and visit companies involved with various stages of materials fabrication.

Multimedia Graphics

TE140 1 Credit

This course will involve the use of computers, cameras, and related technologies. Students will develop and produce multimedia products to industry standards. This course provides students with knowledge of media literacy, web ethics, copyright and fair use, and internet safety. Topics of studies include web page design, video animation, 3D modeling, flash, and basic game design.

Pre-Engineering Computer Aided Drafting

TE154 1 Credit

This course is designed for that student who may be planning to pursue a technical or engineering career. The basic and more sophisticated areas of drafting are surveyed through problem solving techniques, giving the student a sound base in engineering drafting. This challenging course is recommended for students that have a background in computer operation. Extensive problem solving and higher level thinking skills are required for this class.

Robotics & Engineering Technology

TE174,175 1/2 Credit Each

TE171 1 Credit

This course will provide students the opportunity to explore the engineering processes. With an emphasis on hands on problem solving, students will resolve an engineering problem from design idea to completion. Students will collect data so they can build and field test an engineering prototype. Students will keep notes from data collected through various testing stages of product development. This data will be used for modification of a prototype, to see if the product meets specifications. Students will be assessed by designing a process, developing and recording data and building a product to solve “real world” problems. Students will become aware of the relationship between mathematics, science and technology. There is an emphasis on the study of on robotics technology, construction and programming. **This course may be taken as either a full year course or two half year courses. Students must finish the first 1/2 year course (Part A) in order to enroll in the second 1/2 year course (Part B).**

Technical Computer Aided Drafting & Design I

TE150,158 1/2 Credit Each

TE151 1 Credit

The emphasis of this course is for the student to demonstrate competency in the development and design of a variety of basic Technical Drafting problems. Through Computer-Aided Drafting, the student will produce various technical drawings to current industry standards. **This course may be taken as either a full year course or two half year courses. Students must finish the first 1/2 year course (Part A) in order to enroll in the second 1/2 year course (Part B).**

Technical Computer Aided Drafting & Design II

TE152 1 Credit

Prerequisite: TE151 or Department Chair Approval

The student continues where he/she left off in the previous CADD course, progressing at his/her own pace, acquiring increased knowledge and skill using the computer for drafting. Abilities in spatial visualizations and 3-D modeling are reinforced. Engineering and architectural problems and the methods used in dealing with them are covered. Technical and occupational information is also presented.

Technical Computer Aided Drafting & Design III

TE153 1 Credit

Prerequisite: TE 152 Gr. 11- 12

This is a full year advanced class in CADD. Students learn how to produce highly technical drawings in various areas. 3D modeling is used extensively in the production of drawings. Students must research occupational information and visit companies involved with CADD.

Technology Gateway

TE196 1/2 Credit

This course is designed for Juniors and Seniors to support them in the development of their graduation portfolio tour. Students will be required to present their graduation portfolio for evaluation. In addition students will learn and utilize various applications to prepare them for completing their Senior Project.

Transportation, Power & Energy

TE180 1/2 Credit

This course presents an opportunity for students to become aware of the various energy sources and the applications of these sources in the technological world in which we live. Students will study various sources of power. Transmission systems, such as mechanical, fluid, and electrical, will be studied in relation to transportation, communication and production.

Video Production

TE130 1/2 Credit

Prerequisite: Digital & Video Communications I - Parts A & B (TE137 or TE147 & TE148)

This is a one semester Technology Education course taught concurrently with Production Team English IV/Honors These courses, along with Audio Production, constitute the Production Team Academy. Supported by content delivered in Production Team English IV/Honors, this hands-on, project-based course affords students the opportunity to put their academics into action, working hands-on with modern video production technology. By learning to record, edit, distribute, and analyze video performances, students will produce their own unique work and strengthen their communication and problem solving skills.

Visual Arts

Visual Arts education benefits the student because it cultivates the whole individual, gradually building many kinds of literacy into unique forms of expression and communication while developing intuition, reasoning, imagination, problem solving, creative and critical thinking, and dexterity. This process requires not merely an active mind but a trained one. A visual arts education benefits society because students gain powerful tools for understanding human experience, both past and present. Students learn to respect the very various ways in which others have of thinking, perceiving, forming, and expressing themselves and they learn to make decisions in situations where there are no standard answers. By studying visual arts, students stimulate their natural creativity and learn to develop it to meet the needs of a complex and competitive society. That is why, in any civilization, ours included, the arts are inseparable from the very meaning of the term “education.” We know from long experience that no one can claim to be truly educated who lacks basic knowledge and skills in the Visual Arts Education.

The 9-12 Visual Arts – Fine Arts Education Curriculum is designed to accomplish the following academic expectations:

- 1. Communicates and collaborates effectively via speaking, reading, and writing.**
- 2. Solve problems and reach logical and reasoned conclusions by utilizing scientific, mathematical, and technological skills.**
- 3. Possess a broad perception of the world with an appreciation of diverse cultures, environments and the arts.**
- 4. Demonstrates the appropriate and relevant use of technology.**

Art History and Art Production

VA15 1/2 Credit

Prerequisite: Studio Art 1 (VA09 or VA10) or 2D and 3D Design I (VA 11)

This art history course introduces the arts of world cultures, past and present through the use of studio media, research, discussions, slide presentations, and art exhibits. Each student is expected to apply their knowledge of art history to create projects.

Digital Imagery & Photography 1

VA25 1/2 Credit

Students in this course will investigate the basics of shooting photos and manipulating and printing digital images. Students will learn about the settings and functions of digital cameras as well as the basic techniques of making photographs. During the course students will photograph various subjects and review and critique each other’s images. Using technology and software, students will import images into the computer and learn how to manipulate various elements before printing, offering endless possibilities for special effects.

Digital Imagery & Photography 2

VA26 1/2 Credit

Prerequisite: VA25

Photography 2 builds upon the central elements of Photography 1. Students will continue to develop technical knowledge and skill. Creativity and self-expression will be at the heart of the course. Emphasis will be on visual communication as well as social concerns through photography. Students will experience use of studio lighting techniques, alternative processes and digital manipulation of images while exploring and developing their personal styles in visual expression.

Drawing 1

VA41 1/2 Credit

Students will develop their drawing and painting skills in this course. A wide variety of drawing and painting media and subjects will be explored. Students will improve critical thinking, art appreciation, and problem solving skills.

Drawing 2

VA42 1/2 Credit

Prerequisite: Drawing 1 (VA41)

Drawing 2 will extend the student's understanding and experiences introduced in Drawing 1. Emphasis will be placed on the development of compositional skills and imaginative use of elements of art and principles of design. The class is designed to strengthen the student's drawing and painting skills with a variety of drawing media and subject matter.

Studio Art I

**VA09,21 1/2 Credit Each
VA10 1 Credit**

Studio Art I is an introduction to fundamental visual art concepts, skills, and techniques, which have been demonstrated by master visual artists of the past and present. Students will be introduced to and explore a variety of art media such as drawing, painting, sculpture, graphic design, printmaking, and collage. Students are given specific projects or visual art problem solving assignments. Included is the requirement that students organize art tools and working procedures efficiently and that they are responsible for management and clean up of individual working spaces.

This course may be taken as either a full year course or two half year courses. Students must finish the first 1/2 year course (Part A) in either Studio Art 1 or Two & Three Dimensional Design 1 in order to enroll in the second 1/2 year course (Part B).

Studio Art II

VA12 1 Credit

Prerequisite: Studio Art 1 (VA10 or VA 09 & VA21) or 2/3D Design 1 & 2 (VA11 & VA18)

The Studio Art II student will be able to apply knowledge and skills acquired in introductory Visual Arts courses to a series of intermediate Visual Art problems.

Studio Art III

VA13 1 Credit

Prerequisite: VA 12 or recommendation from teacher/administrator

The Studio Art III student will be able to apply knowledge and skills acquired in Studio Art II to a series of advanced visual art problems.

Studio Art III A.P.

VA30 2-D Design 1 Credit

VA35 3-D Design 1 Credit

VA17 Drawing 1 Credit

Prerequisite: Recommendation of Visual Arts Teacher/administrator. Students must meet “Honors” criteria

The content of this course will focus on the drawing portfolio, the 2-D design, or 3-D design portfolio. The scope of work for this course is equivalent to that of an introductory college course in studio art. The course provides a special opportunity to prepare a portfolio for admission to art school and to acquire knowledge of the professional art world and careers in the visual arts. Students in this course are required to work outside of the classroom, to maintain an art idea sketchbook, and to complete weekly homework assignments. Advanced placement students are asked to present examples of their work that demonstrate their proficiency to the College Board for evaluation. A registration fee is required.

Studio III Honors

VA16 1 Credit

Prerequisite: Recommendation of Visual Arts teacher/administrator Students must meet “Honors” criteria.

The Studio III Honors course is designed for highly motivated students who are interested in the study of visual arts. The content of this course will focus on the drawing portfolio and/or the 2-D design portfolio. The course provides a special opportunity to begin to prepare a portfolio for admission to art school and to acquire knowledge of the professional art world and career in visual arts. Students in this course are required to work outside the classroom, to maintain an art idea sketchbook, and to complete weekly homework assignments.

Two & Three Dimensional Design I

VA11 1/2 Credit

Design is a process common to all works of art. In this introductory design course the student will incorporate a basic problem-solving approach to learning about the principles of design and the elements of art with various media that are conducive to two-dimensional and three-dimensional forms. The applied design may be achieved by materials such as clay, wood, cardboard, paper, metals, etc. This design class will focus on using the principles of design to explore various organizational possibilities. Students will study the work of visual artists/designers from diverse cultures whose art is strongly based on the visual design concepts.

Two & Three Dimensional Design II

VA18 1/2 Credit

Prerequisite: VA 11 or VA09

This course is a continuation of the Intro to Two and Three-Dimensional Design course. In this course the student will incorporate a more advanced problem-solving approach to learning about the principles of design and the elements of art. Students will continue to explore various media that are conducive to two-dimensional, three-dimensional, and spatial design forms. This level II design class will focus on creating unique design forms and solutions, as well as investigating the cultural and historical aspects of visual design. **Students must finish the first 1/2 year course (Part A) in either Two & Three Dimensional Design 1 or Studio Art 1 in order to enroll in the second 1/2 year course (Part B).**

Visual Arts Independent Study

VA14 1/2 Credit

VA34 1 Credit

Prerequisite: Minimum of two years of fine art courses, an independent study contract and recommendation from teacher/administrator

Independent study is designed for the qualified high school student who can define an individual art study project and is prepared to follow an individualized problem solving process developed by the student and a visual arts teacher. The study project is concluded by the student's presentation of results based upon the agreed objectives and procedures set forth in advance by contract.

Warwick Area Career and Technical Center

Career preparation programs are available to West Warwick, East Greenwich and Warwick high school students beginning in grade 10. The employer influenced programs fulfill the District's mission by preparing students for further education and/or employment upon graduation. Most programs are located at the Center with satellite programs offered in each of the region's high schools.

The Center's programs are competency based with contextual learning developed through hands-on application of theory. Students are scheduled for a half day at the Center for career training and scheduled the other half day at their home high schools for academics. Students at the Center develop portfolios of their work and, whenever available, test for industry recognized certifications. Seniors spend their second semester in internships which frequently lead to full time employment.

Programs use industry based curricula to assure students are learning the most current skills required. Every program has an advisory committee with membership from business, industry, government and post-secondary education as appropriate.

Since programs adhere to current industry standards, most programs have articulation agreements with colleges which provide successful graduates with college credits for their high school work.

SKILLS/USA & DECA

Skills/USA and DECA are student organizations for career preparation students. All Career Center students are enrolled in Skills/USA. DECA serves the needs of the Fashion Merchandising students.

Both organizations provide students with opportunities to develop leadership skills, to become involved in community service, to enhance their employability skills, and to compete in their technical skill areas. Students campaign for offices in the two organizations and the elected officers work within the Center and with other leaders at the state and national levels. A key component of Skills/USA and DECA is community service. Students fulfill this component through food drives and fundraising for charitable purposes.

Employability skills are enhanced through programs developed by the student organizations which address résumé writing, interviews, teamwork, appropriate on-the-job behaviors, and other skills required for success in the workplace.

The highest visibility element of Skills/USA and DECA is the student competitions. Students compete in their technical specialties at the school level. School level winners then enter statewide competitions where they face students from many other Career Centers and high schools. State level gold medalists earn the right to attend and compete at the national level where they meet and compete against the best students from across the country.

Academy of Finance I,II

CT61,62 3 Credits Each

(offered at West Warwick High School beginning in junior year.)

What do Fidelity, Met Life, Amica, and Centreville and Citizens Banks have in common? They all hire employees with the skills developed in the Academy of Finance. Rhode Island's initiative to create 20,000 new jobs is focusing on the finance industry. Look to these jobs if you enjoy working with numbers and people.

Curriculum: The curriculum was developed under the auspices of the National Academy Foundation (NAF). NAF has an advisory board whose members represent industry giants such as American Express. The program is also affiliated with the Career Academy Support Network.

Year One: The initial year of the program includes Computer Applications (word processing, spreadsheets, databases, etc.), College Accounting I, and College Economics. During the summer between the first and second years, students participate in a paid internship designed to complement and supplement the skills developed in the classroom. *1.1-1.5, 2.1-2.3, 3.1-3.5a, 4.1, 4.2, 4.4, & 5.1-5.3*

Year Two: During the senior year, students continue into College Accounting II and add Banking and Credit, Financial Planning, International Finance, and Securities. *1.1-1.5, 2.1-2.3, 3.1-3.5a, 4.1, 4.2, 4.4, & 5.1-5.3*

Certifications: Upon graduation, Academy of Finance students receive a National Academy Foundation certificate along with their diploma.

Articulation agreements: Johnson & Wales University will provide 13.5 quarter credits to successful Academy graduates. Students may also enroll in the Rhode Island College Early Enrollment Program and receive 12 semester credits. An articulation agreement is being negotiated with Bryant College. NAF is also working with a number of colleges and universities around the country to provide college credits for NAF sponsored programs.

After graduation: Since job growth is projected to be very favorable in finance related industries and since Rhode Island is so aggressively pursuing finance related companies to move into or to expand within the State, the job outlook for those trained for finance related jobs is very promising. The State is also a great place to be for those who want to pursue more education with excellent programs at CCRI, RIC, Johnson & Wales, URI, and Bryant

Automotive Technology I, II, III

CT51,52,53 3 Credits Each

It was once called Auto Mechanics. Now it's called Automotive Technology because technology plays such a large role in keeping a car on the road. Sophisticated diagnostic equipment and microcomputer systems exist beside the engines, anti-lock brakes, and fuel injection systems. As the technology increased, so has the salaries. Auto dealerships want certified technicians. The Career Center can provide the education you need in preparation for becoming an ASE certified technician.

Curriculum:

The curriculum is sponsored and supported by the National Automotive Technology Education Foundation (NATEF). The program is a certified NATEF Auto Service Excellence (ASE) program. Eligible students are enrolled in the AYES program. In this program, students are paired with mentors in local dealerships and work in paid internships.

Year One:

The program begins with an introduction to safety, tools, equipment, and the auto industry. This is followed by Suspension and Steering Systems, Engine Systems, and Braking Systems.

Year Two:

This year continues learning from the first year curriculum and adds Basic and Advanced Electrical Systems and the various facets of Engine Performance including diagnostics, fuels, ignitions, sensors, actuators, etc. At the end of year two, qualified students participate in AYES internships at auto dealerships during the summer.

Year Three:

In preparation for second semester internships students learn Driveability Diagnostics; Manual Drive Trains; Automatic Transmissions; and Heating, Ventilation and Air Conditioning (HVAC) systems.

Certifications:

Students fulfill the education requirements for four of the eight NATEF auto technician certificates by graduation. Upon completing the Auto program, students are eligible to be ASE certified after serving the mandatory one year on-the-job experience.

Articulation agreements:

Northwestern College, Universal Technical Institute and New England Institute of Technology offer up to thirty credits for graduates of the Warwick program.

After graduation:

Program graduates are sought after by area auto dealers and other auto repair facilities. Graduates can either pursue advanced training while on the job (being paid to learn) or can go on to a number of technical degree programs at the college level.

Aviation Academy I, II, III
(offered at East Greenwich High School)

CT101, 102, 103 3 Credits Each

The Aviation Academy is a satellite technical program sponsored by the WACTC and housed at East Greenwich High School. More than ever before, the field of aviation is increasing in size due to the advancements in aviation technology, national security, and a large number of retirements. Education is an integral part of the Federal Aviation Administration's mission. It is mandated by Congress that the FAA carry out the responsibility of promoting an awareness of aviation. Instilling interest in aviation at an early age will ensure the continued growth of the aviation field. For the well trained, jobs are available with major air carriers as well as a large number of smaller providers of services supporting the aviation industry.

Curriculum: The Aviation Academy's curriculum adheres to strict Federal Aviation Administration guidelines. The course uses two FAA approved manuals. The first year centers on the Private Pilot Land Ground Instruction text with the second year using the Airframe and Powerplant text. The third year will use a combination of both texts and practical experience.

Year One: Examination of the principles of aerodynamics, analyze weather formation and hazards to aircraft operations, examine the various types of navigation, and log time in a dual seat flight simulator. Upon completion of Ground Flight Instruction, students may sit for the FAA written exam. Successful completion of the FAA written exam satisfies the theory portion of the Private Pilot License. Flight Maneuver lessons may begin at anytime during this process through an FAA approved flight school at the discretion and obligation of the student's parents or guardians.

Year Two: Provides a deeper understanding of aircraft systems. Students analyze aircraft materials, ground operations procedures, and safely evaluate basic avionics circuits. Students apply math and basic physics skills to aviation maintenance technology. Other areas within the aviation field are examined including Air Traffic Control, Airport Security, Airport Management, and Airline Operations.

Year Three: The students have the option of either completing an internship in their area of interest or further exploring any content area previously covered. Some cooperating site options are TF Green Airport Management Group, Southwest Airlines, United Airlines, Delta Airlines, and Horizon Aviation.

Certifications: Year One: FAA theory portion of Private Pilot License
Year Two: FAA theory portion of Airframe and Powerplant

Articulation agreements: College credits may be attained through Embry Riddle Aeronautical University and UVSC Aviation through enrollment in the Aviation Academy.

After graduation: While many aviation jobs require additional post-secondary training, the Aviation Academy will provide the student with the skills necessary for entry level positions. The Aviation Academy can provide contacts for scholarships, grants, and financial aid.

Carpentry/Cabinetmaking I, II, III

CT41, 42, 43 3 Credits Each

The building boom continues both regionally and nationally. New home construction is only being exceeded by the work being generated by those who want to renovate or expand their existing homes. The industry provides a wide variety of career options for those who have the vision and skills to create a finished product from a set of plans. Join a program endorsed by the Association of Building Contractors, RI Builders Association, and Energy Star.

Curriculum:

The curriculum is developed, maintained, and provided by the National Center for Construction Education and Research (NCCER). The Carpentry program is certified by the Association of General Contractors of America and the instructors are certified by NCCER.

Year One:

Workplace safety, including the OSHA safety training and certification required for those on worksites, begins the program. Students then progress to the safe and proper use of hand and power tools. Correct practice and application of construction techniques including residential layout, house locations, framing, sheathing, roofing, interior and exterior trim, remodeling and renovation, cabinet installation, stair construction and new techniques in house building – particularly energy efficiency – are all introduced. In addition, students are introduced to joinery and millwork fabrication techniques for architectural millwork, casework, cabinetry, and furniture; design; material estimation; layout; and finishes.

Year Two and Year Three:

The studies introduced in Year One are continued and expanded during the next two years of the program. House building skills are enhanced through the construction of one or more homes and other significant home related building projects. Joinery and millwork projects are completed in the well equipped Carpentry shop with students being challenged with progressively more complex woodworking projects.

Certifications:

Successful program graduates are awarded National Center for Construction Education and Research (NCCER) carpentry certificates.

Articulation agreements:

New England Institute of Technology will provide up to twenty four (24) credits to qualified students.

Child and Elder Care I, II, III

CT55,56,57 3 Credits Each

If you find joy in the excitement of early childhood or the smile of a senior citizen who is dependent upon you for his or her care, this may be where you want to spend your life's work. Helping others provides so many rewards you may forget its payday. But, it is important to note, to be truly helpful you must have mastered many skills to be a professional in this growing field.

Curriculum: The curriculum was developed from National Association for the Education of Young Children standards.

Year One: Learning of the social, emotional, physical and intellectual development of young children comes first. Pre-school operations precedes the hands-on experiences of the on-site pre-school. Students also study the normal aging process and its effects and do field work at the Pilgrim Senior Center.

Year Two: During the second year, the characteristics of school age children and special education regulations are studied. Management skills for preschool operations are integrated into the hands-on on-site pre-school. The focus changes during the second semester to assisting the elderly with study into age related issues and the medically fragile.

Year Three: The first semester is devoted to field work with Alzheimer patients and in preparation for taking the certification examination. For the second semester, students are placed in internships related to their primary career interests – some aspect of child or elder care.

Articulation agreements: Qualified graduates receive college credit for successfully completing the program.

After graduation: Successful program completers have a wide array of opportunities available to them upon graduation. Many students have found their interests sparked and decide to pursue further education so as to become elementary school teachers or administrators in child and elder care facilities. Oftentimes, the internships served by students turn into full time positions.

Cisco Networking I, II, III

CT74,75,79 3 Credits Each

Ever wonder how computers are able to talk back and forth between themselves, printers or other devices connected by different types of media such as copper wire, fiber or without connections at all? If you would like to know how to connect two computers to a printer or to connect thousands of computers together, this is your program. As the global economy expands, the number of IT related jobs increase. Companies worldwide need employees with Information Technology (IT) skills. In five years, IT spending will increase by 35.2% worldwide so employers will be looking for candidates skilled in the latest technologies.

Curriculum:

The Cisco Networking Academy is an alliance of Cisco Systems, education, business, and government organizations around the world. It centers on teaching students how to design, build, troubleshoot and maintain computer networks. The Cisco program prepares students for the 21st century workplace while serving as a valuable model for successful e-learning. Students earn industry standard career certifications and learn lifelong skills. The most important opportunity the Cisco Academy provides is the chance to learn Internet technology skills essential in a global economy.

Year One:

Networking basics including Ethernet technologies, cabling of LANs and WANs, network media, TCP/IP and IP addressing, and routing fundamentals. Students learn to design, build and maintain LANs and WANs.

Year Two:

Expands on Year One and adds initial router configuration, Cisco IOS Software management, routing protocol configuration, TCP/IP, access control lists (ACLs) and network troubleshooting. Students develop the skills to configure a router, manage Cisco IOS Software, configure routing protocols, create access lists and troubleshoot networks.

Year Three:

In preparation for the CCNA exam and an internship, year three focuses on advanced IP addressing techniques (VLSM, NAT, PAT and DHCP), intermediate routing protocols (RIP v2, single-area OSPF, EIGRP) command-line interface configuration of switches, Ethernet Switching, Virtual LANs (VLANs), Spanning Tree Protocol (STP), VLAN Trunking Protocol (VTP), WAN technology and terminology, (PPP, ISDN, DDR, Frame Relay), network management and introduction to optical networking. Students develop the skills of switching basics, intermediate routing and WAN technologies.

Articulation Agreements:

Upon completion of the three-year program students can graduate with up to 17 college credits. CCRI also provides a continuation opportunity for those students who graduate before they finish the four semesters and for those who want to go on to more advanced Cisco Certification.

After Graduation:

Graduates of the Career Center with a Cisco Certified Networking Associate (CCNA) certification can expect beginning salaries in the \$30,000+ range. Students can also pursue certifications such as Cisco Certified Networking Professional (CCNP) and Cisco Certified Security Professional (CCSP) at two-year colleges or Cisco Certified Internetworking Expert (CCIE) at four-year colleges.

Cosmetology I, II, III

CT107,108,109

3 Credits Each

Cosmetology is the art and science of beautifying and improving the skin, nails, and hair and includes the study of cosmetics and their application. Cosmetologists can work for a day spa, a salon, or own their own business. Once licensed, cosmetologists can specialize in hair color, texture, and haircutting. Salon trainer, distributor sales consultant, manufacturer educator, cosmetology instructor, film or theatrical hairstylist, and runway stylists are also avenues a cosmetologist can choose to take.

Curriculum:

The curriculum is mandated by the Rhode Island Department of Health. Cosmetology is a three year course. Students must complete 1500 hours under a cosmetology instructor's license.

Year one:

Students will learn the history of cosmetology. Professional image and behavior, communication techniques and infection control are also topics covered within the first year. Students will learn the procedures of manicures, pedicures, artificial nails, facials, applying makeup, roller sets, perms, cap highlighting, basic foiling, and basic haircutting all in their first year.

Year two:

Students will learn anatomy and physiology, skin structure, growth, and disorders, nail structure, growth, and disorders, chemical texture services, hair coloring, hair removal, braiding and extensions, and properties of the hair and scalp. Students will continue to practice basic techniques, working toward mastery of the procedures and proper timing. Students will also learn the procedures of waxing, braiding techniques, UV gel nails, hair coloring, advanced foil techniques, and advanced haircutting and detailing.

Year three:

Students will finish up the cosmetology book early in the third year, with business skills, networking, resumes, portfolios, exploring employment, and preparing for the State Board Exam. This year students will work on clientele in the school salon, under the guidance of the cosmetology instructor. Student will also practice for the practical portion of the State Board Exam weekly.

Certifications:

Rhode Island Cosmetology License.

Articulation Agreements:

Current negotiations are underway for any student who does not complete 1500hrs at WACTC.

Culinary and Baking Arts I, II, III

CT91, 92, 93 3 Credits Each

Like to cook? Like to bake? This could be just the program for you. Rhode Island is renowned for its fine eating establishments and is becoming more and more of a destination site for vacationers.

Everyone wants good food so there are plenty of jobs. Those who make good food also make good money. The food service industry abounds in jobs some of which are in kitchens, bakeries and dining rooms while others are in related services and management.

Curriculum:

The program is one of fewer than three hundred high schools nationwide certified by the American Culinary Federation (ACF).

Year One:

Identification of products and equipment, sanitation, knife skills and care, table service, weights and measures, volume production of pastries and breads. Throughout the three-year program students operate the Career Center Café which is a full service dining room where students prepare and serve food to the general public.

Year Two:

Extensive training in the three primary areas of food service: the kitchen, bakery and dining room. Classic techniques and current industry trends are covered.

Year Three:

Preparation and testing for Sanitation License, menu planning, purchasing, quality control, catering, dietary and health considerations, and management are stressed during this year. Students meeting the criteria are placed in internships in local restaurants and bakeries.

Certifications: Sanitation License (State of RI), American Culinary Federation Certified Cook certificate

Articulation agreements: Graduates entering Johnson & Wales receive nine credits for work at the Center and are evaluated for credits from Bristol Community College.

After graduation: Some of the graduates take advantage of the advanced placement credits they receive from J&W and Bristol CC (and other colleges who recognize the ACF Certified Cook certificate). Other students take advantage of the many employment opportunities available in the food service industry (food service is second only to government in the number of jobs available).

Drafting Technology I, II, III

CT46, 47, 48 3 Credits Each

Dream it, design it. Imagine being that person who makes imagination come alive. In this class, you learn how to take an idea and convert it into reality. Whether you envision yourself designing houses, complex machinery, or the products of tomorrow, the skills you need to achieve your goals are learned in the Drafting Technology program.

Curriculum: The curriculum was designed through a collaboration of local employers and educators with expertise in architectural and machine drafting and is aligned with the American Institute of Architects and American National Standards Institute standards.

Year One: The foundation of technical drafting including terminology, measurements, and familiarization with computer aided design software. As students progress, they are provided the option of pursuing either architectural design or mechanical engineering design.

Year Two: Mechanical students study advanced design concepts, manufacturing technology, geometric dimensioning and tolerancing. They continue with the study of applied mechanics as it relates to gears, cams, chain drives and linkages. Students produce accurate working drawings in accordance with ANSI and industry standards. Architecture students study advanced concepts of residential construction with an emphasis on applying the concepts to original designs. Students produce professional working drawing sets in accordance with AIA graphical standards, Rhode Island building codes, and architectural office practices.

Year Three: All students learn three dimensional modeling, rendering and animation as well as the principals of photo-realism used in design presentations. Students work on advanced, independent assignments and, with instructor approval, participate in internships with local manufacturing or architectural firms. The internships provide complementary and supplementary skills training.

Articulation agreements: College credits are awarded upon successful completion of the program by New England Institute of Technology and Johnson & Wales University.

After graduation: Graduates have sufficient entry level jobs skills to gain employment and sufficient competencies to receive advanced placement in a number of college programs. Oftentimes, students will pursue a career and advanced education simultaneously.

Electricity I, II, III

CT71, 72, 73 3 Credits Each

Interested in building things, working with your hands, working hard? Electricians have the power – or, more accurately, they have the power to control their future. Electricians have become more and more vital to residential and commercial building and renovations because the Technology Age runs on electricity. Where homes once had a couple of wall outlets per room and one phone jack for the entire house, modern homes and businesses require access to numerous wall outlets for their connection needs. Add home fire alarm and security systems and it's easy to see why electricians are in such great demand.

Curriculum: The National Center for Construction Education and Research (NCCER) provide the nationally validated curriculum. NCCER is the curriculum used and supported by the Rhode Island Chapter of the Associated Builders and Contractors. The International Brotherhood of Electrical Workers and National Joint Apprenticeship Committee curriculum are also used.

Year One: The focus in year one is residential wiring. Covered are electrical theory, AC and DC circuits, series and parallel circuitry, load calculations, material identification, technical reporting. In our mock house, students build a complete 100 amp service.

Year Two: The year two focus is commercial wiring. Students learn the skills needed for major electrical installations such as installing raceways, coupling, connecting, clipping. Fire alarm and security systems as well as troubleshooting are included. Students move into cutting edge technology when they learn how to install and maintain photovoltaic (solar) energy systems.

Year Three: Electric motors and motor controls; motor theory; troubleshooting; electrical generation, transmission and distribution; transformers are major topics. In preparation for internships, employability skills are developed.

Certifications: Students earn their OSHA safety card which is required for work on any construction site.

Articulation agreements: Through a combined project including the Career Center, New England Institute of Technology (NEIT), and the National Center for Construction Education and Research, negotiations are underway to determine how many credits students will be awarded by NEIT and the Community College of Rhode Island for successful completion of the NCCER Electricity program. Also, under recently passed legislation, students receive credit towards their electrician's apprenticeship which allows them to earn more and finish the apprenticeship more quickly.

After graduation: Most graduates go directly into the electrical trade with a local contractor or work from the IBEW hall. The military welcomes the graduates because of their skills and the military then provides more training.

Electronics I, II, III

CT76, 77, 78 3 Credits Each

In the Technology Age, technicians rule. With computers in every facet of our lives, those with the ability to build and maintain such equipment are in high demand. Add to this the opportunities provided by fiber optics and wireless communications and one has a broad range of career options from which to choose. If you like math, repairing intricate circuits and electromechanical systems and problem solving, this is your program.

Curriculum: Elements of both the Electronic Industry Association and the Electronic Technicians Association sponsored curricula are incorporated into the program. Students will prepare for A+ Computer Repair certificates in Hardware and Software.

Year One: The field of Electronics is introduced beginning with terminology, the laws and measurement of electricity, and a number of hands-on laboratory exercises to develop skills. Students are introduced to digital circuits, Boolean algebra, core hardware and operating system technology as well as installation, configuration, diagnostics, and preventative maintenance.

Year Two: Students progress to advanced applications of the above in preparation for the A+ Hardware Certification exam. Content includes security, safety, and environmental issues, communication skills, and professional etiquette.

Year Three: Advanced operating system theory and computer networking are studied in preparation for the A+ Software Certification exam. Qualified seniors will be provided internships in computer related positions in business, industry and government.

Certifications: A+ Computer Repair – Hardware and A+ Computer Repair – Software

Articulation agreements: Articulation agreements are in place with New England Institute of Technology and are being negotiated with the Community College of Rhode Island.

After graduation: The majority of program graduates have sought more advanced training at regional colleges, universities, technical institutes and in the military. However, there is a large labor market for skilled A+ certified technicians in the computer industry available immediately after high school. Many students will work full time while pursuing advanced education – oftentimes paid for by employers.

Fashion Merchandising I, II, III

CT32, 33, 34 3 Credits Each

Behind the sale of every dress and shirt is a vast industry that is one of the nation's largest employers. From the pages of magazines to the racks of upscale fashion specialties stores lies an industry in need of professionals who are able to meet customers' demands before the customers even know they exist. Fashion merchandising careers can provide exciting and challenging steady employment and upward mobility for those willing to learn skills on-the-job to enhance their school learned skills.

Curriculum: The National Retail Federation has designed a curriculum which satisfies the employment requirements of the industry nationwide.

Year One: An immersion into the fashion industry including terminology; fashion movement and history; color, line and design; economic and marketing principles; textiles; men's, women's and children's wear; and accessories.

Year Two: Students advance to window displays, retail institutions, selling and customer service, store safety and security, advertising and promotion, buying, and the math related to the fashion industry.

Year Three: The first semester addresses visual merchandising, store management and small business operations, distribution, human relations, and communications. In preparation for the second semester internships, student study job search techniques, interviewing, and résumé writing.

Articulation agreements: Upon completion of the three year program, Johnson and Wales University provides program students 13.5 credits towards a degree program – 4.5 in Retailing, 4.5 in Textiles, and 4.5 in Business of Fashion

After graduation: The job market in fashion merchandising is huge and worldwide. Many students strive to get ahead by working in the field to gain experience while at the same time pursuing further education. Four year degrees and programs are available for those who aspire to the top positions in the industry.

Graphic Design I, II, III

CT96, 97, 98 3 Credits Each

Ubiquitous means “everywhere.” Every book cover, magazine ad, soda can, web page, computer game, poster, calendar, cereal box, CD cover, newspaper ad, and logo plus much more are the work of graphic designers. The work of graphic designers is truly ubiquitous –it is everywhere. To enter this exciting field, you need to be creative, well disciplined (you will be creating designs for others), and have exceptional computer skills (most of today’s artwork is created on computers).

Curriculum: The curriculum is provided by PrintED, the education arm of the national printing industry.

Year One: Students begin with studio skills which include the creative process, terminology, colors, tones, shading, materials and tools. Students create artwork according to teacher requirements and industry standards. Students learn to judge and assess their own work and the work of others. Students are introduced to type selection and usage both by hand and computer.

Year Two: The needs of various print media – newspaper, posters, web pages, CD covers, billboards, brochures, television and more – are analyzed. Students begin using various software packages such as Dreamweaver, Flash, Illustrator, Painter, Photoshop, etc. for painting, drawing, photo enhancement and design.

Year Three: Students move to advanced study of color laser printers, color scanners, large format printers, digital and video cameras, and the flexi-sign plotter/cutter. Qualified students participate in internships at graphics companies and within the graphics divisions of large businesses.

Certifications: Students can achieve PrintED certifications in Graphic Communications, and both Basic and Advanced Digital Image Preparation. The certificates are recognized within the graphics industry throughout the U.S.

After graduation: There are numbers of opportunities for entry level employees in the graphics industry. Historically, most of the Center’s Graphics graduates have sought to improve their skills and their professional growth by attending colleges and universities with graphics majors.

Health Occupations I, II, III

CT64, 65, 66 3 Credits Each

One of the fastest growing occupational areas in the country is looking for caring, responsible professionals to serve the ever growing medical needs of a growing and aging population. Successful candidates for medical careers combine the skills of working with people and the scientific skills of the medical field. The Healthcare field is one in which employees can move up a career ladder to better paying and more responsible jobs as they gain more education and skills. The shortage of workers means salaries are rising.

Curriculum: The curriculum is aligned with the National Healthcare Skill Standards.

Year One: First year builds foundation skills in communications, medical terminology, systems, employability skills, ethics, safety, teamwork, information technology, health maintenance, anatomy, physiology, diseases and basic healthcare skills.

Year Two: Advanced anatomy and physiology, understanding and caring for human disease, advanced medical terminology, beginning pharmacology, advanced technical skills, employability skills, nurse assistant training to prepare for the Certified Nursing Assistant (CNA) licensing exam and research in specific medical careers

Year Three: A full year internship in the healthcare profession of the student's choice. Sample internship sites include Kent County Hospital, Hasbro Children's Hospital, Health South Sports Rehabilitation Center, Kent County YMCA, and the Warwick Fire Department (EMT). To prepare for college, students continue medical terminology and dosage calculations as well as preparing a self-study book.

Certifications: Certified Nursing Assistant license, Health Care Provider CPR/AED & First Aid certificates earned and renewed annually, Certificate of Health Occupations Competencies

Articulation agreements: New England Institute of Technology offers eight credits, negotiations are underway with the Community College of Rhode Island.

After graduation: The majority of students seek more advanced training at the postsecondary level. Many students combine work in a healthcare job with the post-secondary training thereby gaining experience to go along with the advanced training.

Marine Technology I, II, III

CT38, 39, 40 3 Credits Each

Like boats and the water? This is your program. With the thousands of boats populating Narragansett Bay, employment opportunities are plentiful for those well trained in boat building and repair and in marina operations. The program develops skills in working with wood, fiberglass, inboard and outboard motors, electronics, and the like that are readily transferable to a number of related occupations.

Curriculum: The curriculum was developed by the Rhode Island Career Center Marine Technology teachers in cooperation with the American Boat and Yacht Council (ABYC). The ABYC has adopted the curriculum for use by schools across the country.

Year One: Boating safety and handling, marlinspike seamanship, boat design and construction, boat repair, fiberglass construction and repair, outboard and inboard engine mechanics, marine electrical systems, wood joinery and finishes, vessel transportation

Year Two: Application of the year one, hands-on competencies plus structural repairs of boat floors, decks and transoms, rigging and re-rigging, engine diagnostics, marina metal construction techniques

Year Three: Additional hands-on activities involving more complex problems and, during the second semester, opportunities for internships

Certifications: Students who meet all requirements will earn a ABYC Journeyman Certificate which is a document recognized by marine facilities coast to coast, on the Gulf, and around the Great Lakes.

Articulation agreements: New England Institute of Technology provides seven credits at this time. The articulation agreement is being renegotiated with the adoption of the Rhode Island/American Boat and Yacht Council curriculum.

After graduation: About half of the graduates enroll in postsecondary programs (programs are available at NEIT and many maritime colleges). The remaining graduates enter the job market and have been hired by Electric Boat, Goetz Custom Boats, CL Marine and Boat World.