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Become a **21st Century Citizen** with  
**PAWTUCKET PUBLIC  
SCHOOLS**

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**2020 – 2021**

**Program of Studies  
JMW, Shea & Tolman**

**Grades 9 - 12**

**PAWTUCKET SCHOOL DEPARTMENT  
PAWTUCKET, RHODE ISLAND**

**PHILOSOPHY OF EDUCATION**

The Pawtucket School Department fosters the belief that public education is necessary for the achievement of democratic ideals, which depend upon an informed, responsible, and literate citizenry. Education should stimulate cognitive and emotional growth, the development of moral and aesthetic sensitivity, social skills, vocational and technological competencies, cultural and economic awareness, and physical maturation. The Pawtucket School Department recognizes the right of each individual to have the opportunity to reach optimum growth in all these areas.

Educational programs should develop self-disciplined, critically-thinking individuals who are capable of making rational and ethical decisions when confronted by social, political, economic, and personal questions, thereby enabling our youth to develop into healthy, honest, and responsible future leaders of our community. Recognizing the mutual dependency of the community at-large and the educational system, which serves it, the Pawtucket School Department is committed to the concept of active community involvement in educational decision-making.

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**The Pawtucket School Department is committed to maintaining an educational atmosphere in which each and every individual can pursue scholastic achievement and personal fulfillment. Accordingly, it is the policy of the Pawtucket School Department that no employee or student shall be subjected to discrimination/unlawful harassment or sexual harassment. The Pawtucket School Department prohibits any form of discrimination or unlawful harassment on the basis of disability, marital status, national origin, race, color, religion (creed), age, sex, sexual orientation, and gender identity or gender expression. Furthermore, the Committee is committed to ensuring those complaints of discrimination/unlawful harassment or sexual harassment are promptly and fairly investigated, and that appropriate discipline is applied to those employees and students who violate this policy. The Pawtucket School Department is committed to ensuring that all employees and students have equal access to all school sponsored activities.**

**School Committee Policy AC February 16, 2017**

# **POLICY STATEMENTS**

## **PROHIBITING DISCRIMINATION IN EDUCATION**

In accordance to applicable laws and regulations, the Pawtucket School Department prohibits discrimination on the basis of age, sex, race, religion, national origin, color, or disability. All courses of study, disciplinary standards and procedures, extracurricular activities, services, and employment opportunities are available without regard to age, sex, race, religion, national origin, color, or disability. Inquiries regarding compliance with applicable laws and regulations may be directed to:

Mrs. Lee Rabbitt, Assistant Superintendent  
Affirmative Action Officer  
School Administration Building  
286 Main Street, Pawtucket, RI  
Telephone: 729-6312

If any student feels that he/she is being discriminated against, the student/guardian can file a grievance with the principal of the school. If the issue is not resolved in 10 days, the student/guardian may contact the Assistant Superintendent of Schools. If the complaint remains unresolved after 10 days, the student/guardian may appeal to the Superintendent of Schools. Should the student/guardian not be satisfied with the Superintendent's decision, the student/guardian may submit his/her complaint to the School Committee within 20 days. Any decision of the School Committee can be appealed to the Rhode Island Commissioner of Elementary and Secondary Education and/or to the Board of Regents.

## **GUIDANCE AND COUNSELING SERVICES**

School counselors make resources available for use by students and parents in order to assist them in making informed educational and career decisions. Counselors provide students with information in conjunction with the Rhode Island School Counseling Standards that incorporates the ASCA Model related to the three domains: academic, career, and personal/social.

## **GUIDELINES FOR STUDENT PLACEMENT**

Every student, beginning in grade 6, is required to complete an Individual Learning Plan (ILP) that reflects the student's personal, social, and academic goals. The ILP should guide course selection, placement, and preferred pathway to graduation and post-secondary placement. Every effort is made to accommodate student choice when scheduling. This ILP is situated in each student's required electronic portfolio.

There is an application process for students interested in a Career and Technical Academy at each of the high schools. These applications include an interview, as well as a completed application, in order to ensure students have an understanding of the expectations and outcomes required by the Rhode Island Department of Education and CTE Board.

## **SCHEDULE CHANGES**

Students choose courses and programs based on the recommendations and best judgment of teachers, guidance counselors, students, and parents. A schedule is used to arrange programs and students in some systematic order. A schedule can be complex and a change in one area often causes changes in other areas. A student is given considerable time to choose proper courses. Schools do recognize the need for valid changes. However, it is strongly recommended that schedule changes be made during the first two weeks of the course. All requests for change are decided on an individual basis taking into consideration all circumstances involved. Staffing and class size are considered regarding the proposed change. A student, teacher, parent, guidance counselor, administrator, or a director of special programs may initiate requests for a change. All involved parties are asked for their input regarding the request for change. Once the request has been processed, the counselor approves or denies the request for change. If denied, the parent has a right to appeal to the building principal.

## **PROCEDURE FOR A REQUEST FOR SCHEDULE CHANGE**

1. Many requests for schedule changes are made on a case-by-case basis involving only the student and his/her guidance counselor. These changes are a result of scheduling conflicts, necessary sequential classes, and consolidation of classes, classes that are eliminated, and subjects that must be repeated or required subjects or programs.
2. The student or parent/guardian must request changes. The student or parent/guardian who requests a change discusses the request with the student's guidance counselor. The student's counselor confers with the student, teacher, parent/guardian, and any other appropriate parties and then expedites the request.

3. Once approved, the counselor makes the change. An email is sent immediately to exiting and receiving teachers. All books must also be returned to the appropriate teachers.
4. If the request is denied, the parent/guardian may appeal the denial. The appeal request is heard at a conference with the student, parent, teacher, guidance counselor and the building principal. A further appeal may be heard by the Assistant Superintendent.

### **POLICY FOR CLASS SIZE**

If fewer than 10 students register for a course, the course may be withdrawn.

### **HONOR ROLL**

Placement on the honor roll for any given semester is based on semester grades. Incomplete and/or a failing grade of 69% or below keeps a student off the honor roll.

Highest Honors:	90% or above is (required in every subject)
Honors:	80 % or above is required (in every subject)

### **NATIONAL HONOR SOCIETY**

Membership in local chapters of the National Honor Society is an honor bestowed upon a student. Selection for membership is by a five member faculty council and is based on outstanding scholarship, character, leadership, and service. Once selected, members have the responsibility to continue to demonstrate the qualities of scholarship, leadership, service and character.

- Candidates must be members of the junior or senior class, and must have been in attendance at the school for the equivalent of three quarters.
- Candidates must have a cumulative scholastic average of at least 87% (un-weighted); a GPA greater than or equal to 3.2. Candidates shall then be evaluated on the basis of scholarship, service, leadership, and character.
- Candidate eligibility for National Honor Society with respect to character is at the discretion of the faculty leaders.
- A minimum active participation and organization of two school directed service projects per academic year is required, one of which must be completed prior to induction. In addition, a minimum of 20 hours of community service is required. Ten hours of community service must be completed outside of school and reported from the organization on letterhead and ten hours completed inside of school.
- Faculty council determines annual individual member dues charged.
- Candidates become members when inducted at a special ceremony.

### **RHODE ISLAND HONOR SOCIETY**

Membership in the Rhode Island Honor Society is an honor bestowed upon a student. To be eligible for membership, the candidate must be a member of the senior class.

Candidates must have a cumulative high school scholastic average of at least 85 percent; a GPA greater than or equal to 3.0. Academic eligibility will be determined at the end of the first semester of the senior year.

### **CREDIT/CONTENT RECOVERY PRACTICES and PROCEDURES**

The credit recovery program allows currently enrolled students who fail courses to obtain the necessary credits to graduate. Students have the opportunity to receive online instruction in some courses they have failed. Teachers monitor these courses and are available to assist students as needed. There is also a content recovery program whereby students gain content knowledge through individualized prescriptions written by teachers based on failure of standards through benchmarks or other assessments included in course grading criteria.

The following guidelines also apply:

- The student is not to receive a grade higher than 70 for completed courses taken through credit/content recovery. His/her grade of 70 is recorded on the student's transcript for students who need to recover complete courses. The failed course grade will remain on the transcript. For students who can recover current content through prescriptions written by teachers in current classes, students earn grades at the end of the marking period based on current work and recovered work. Teachers write prescriptions for content recovery for students who receive grades from 50 to 69.

# PROGRAMS

## **EARLY ENROLLMENT PROGRAM/CONCURRENT ENROLLMENT**

Rhode Island College offers an Early Enrollment Program to students interested in receiving college credits for course work done in high school. College credits may be obtained through enrollment in certain courses in the high schools, for example, music and language courses. These credits may or may not be transferable to other colleges. Information is available from the Guidance Offices.

University of Rhode Island offers a Concurrent Enrollment Program through various Academies and courses with EEP (college) credit. See course descriptions to see which courses are applicable. These credits may or may not be transferable to other colleges. A complete listing is available through the Guidance Office.

## **HIGH SCHOOL ENRICHMENT PROGRAM**

The *High School Enrichment Program* at the Community College of Rhode Island offers high school juniors and seniors the opportunity to pursue educational experiences not available to them in high school. It is a part-time program, whereby high school students may enroll in up to 6 (six) credits or two courses per semester. Course selection is made at the discretion of the high school guidance counselor. Students are required to complete the High School Enrichment Form with the consent and advice of the parent, guidance counselor, and school principal. Credits earned by students are in addition to earned credits at the high school and are not considered to be in place of high school courses.

## **ADVANCED COURSE NETWORK/CONCURRENT ENROLLMENT (with permission)**

High school courses will be offered in various modalities to encourage the greatest participation from students in schools and districts that have chosen to participate in the initiative. The course offerings will include advanced science and mathematics courses, as well as Advanced Placement (AP®), world languages, writing, technology, career-focused and dual/concurrent enrollment courses. Coursework will be offered by Rhode Island LEAs, Community-Based Organizations and Institutions of Higher Education. Students must be aware that these college course grades will be averaged into their GPAs.

Source: <http://ride.ri.gov/StudentsFamilies/EducationPrograms/AdvancedCoursework.aspx>

## **RUNNING START PROGRAM**

*Running Start* is a program offered at Community College of Rhode Island for high school students who have demonstrated academic achievement and maturity needed to enroll in college courses during their senior year. Seniors who study at CCRI on a full-time basis during the day may be eligible to earn college credit and credit for high school graduation simultaneously.

## **UPWARD BOUND (Shea)**

*Upward Bound* is designed to provide low-income, potential first generation college students with the skills and motivation to complete high school and to enter and graduate from college. The goal of Upward Bound is to increase the high school graduation rates of program participants and provide academic and college application assistance. Students work with program counselors and teachers from Rhode Island College, attend a summer residence program, take Saturday classes, and receive tutoring supports. Prospective students complete applications, including interviews, and can start the program in 9<sup>th</sup>, 10<sup>th</sup>, or 11<sup>th</sup> grade and continue to meet through 12<sup>th</sup> grade.

## **COLLEGE CRUSADE of RHODE ISLAND**

The *College Crusade of Rhode Island* is a college-readiness and scholarship program for Rhode Island students. It provides students with a caring advisor and many programs and services that focus on academic enrichment, social and personal development, career awareness and exploration, and preparation for college. Students apply for admission to The College Crusade while they are in fifth grade. Financially eligible Crusaders who graduate from high school and gain admission to college can qualify for a scholarship. Crusaders are expected to stay in school and work hard, to avoid drugs, early parenthood, and any problems with the law, and to be good role models in their communities.

# PROFICIENCY-BASED GRADUATION MEASURES

In accordance with the Rhode Island Board of Regents' High School Regulations, the Pawtucket School Department has established the following graduation requirements in order for all students to demonstrate proficiency for graduation.

**In order to graduate, a student must successfully complete the following Graduation Requirements:**

1. Performance-based graduation requirements:
  - Comprehensive Course Assessments
  - Graduation Portfolio
2. Earn requisite course credit – See promotion requirements

**Comprehensive Course Assessments:** One-credit courses require at least two comprehensive course assessments (CCA) that are aligned to the individual course requirements and minimally 50% performance –based. Over the course of four years of high school, a student is required to demonstrate proficiency through successful completion of a percentage of the CCA in a variety of content areas. The CCA is also aligned to the appropriate state standards, Applied Learning Standards, and appropriate National Content Standards. These assessments provide students with opportunities to demonstrate a variety of proficiencies necessary for graduation.

**Graduation Portfolio:** Over the course of four years of high school, a student is also required to compile a portfolio with evidence of that he/she has demonstrated proficiency in district academic, social and civic learner expectations. This portfolio is in electronic format and updated through advisory period.

For additional information regarding performance-based requirements for graduation, students should refer to relevant district guidance documents and school committee policy available on the website.

The performance-based requirements provide students opportunities to demonstrate proficiency in the following:

**DISTRICT EXPECTATIONS FOR STUDENT LEARNING**

STUDENTS ARE EXPECTED TO MEET THE FOLLOWING ACADEMIC, SOCIAL, and CIVIC EXPECTATIONS and demonstrate proficiencies in English language arts, mathematics, science, social studies, world language, the arts, and technology:

**ACADEMIC EXPECTATIONS**

- A 1 Read effectively for a variety of purposes
- A 2 Write effectively for a variety of purposes
- A 3 Listen attentively, speak and converse intelligently, and view critically
- A 4 Present oral reports and/or make presentations using a variety of media
- A 5 Analyze problems, determine a course of action using a variety of skills and strategies
- A 6 Use critical and analytical thinking for a variety of purposes
- A 7 Demonstrate content knowledge through content specific, performance-based, and project-based assessments
- A 8 Access information and apply technology to enhance the learning process

**SOCIAL EXPECTATIONS**

- S 1 Promote, celebrate and respect diversity
- S 2 Develop skills, competencies and qualities to succeed both personally and professionally

**CIVIC EXPECTATIONS**

- C 1 Demonstrate personal responsibility for good citizenship

**RHODE ISLAND APPLIED LEARNING SKILLS**

Applied learning refers to the knowledge and skills that students need in order to use what they learn in school to meet the challenges of life. These include:

- AL 1 Critical thinking: The student detects incompleteness, inconsistency, and opportunities for expansion of ideas, products, procedures, etc. and formulates core questions and assertions about topics or areas of interest.
- AL 2 Problem solving: The student organizes and conducts a process to create intellectual or physical products, holds an event, or otherwise moves towards the solution of an identified issue or problem.
- AL 3 Research: The student uses information tools and technology to learn and deepen his or her understanding about a topic or area of interest.
- AL 4 Communication: The student questions, informs, and learns from others.
- AL 5 Reflection and Evaluation: The student reviews and thinks critically about past activity and plans for the future; and thinks critically about a completed activity or project and uses insights based on the review to change planned activities.

## Course Credit Requirements

Every student must successfully complete the following courses:

4 English Language Arts (ELA 9, ELA 10, and two additional years)	1 Arts (Art, Music, Theatre, etc.)
3 Mathematics (plus 1 Mathematics or Mathematics related course)*	4 Physical Education/Health
3 Science	1 Technology
3 Social Studies (one course must be U. S. History)	Electives (sufficient to meet the minimum number of required credits to graduate)
2 World Language (consecutive in same language)	

**These courses reflect minimum requirements for high school graduation and do not take into consideration requirements of Colleges/Universities and technical schools.**

Students are strongly encouraged to select electives that support their chosen academy.

## ACADEMIES

In an effort to meet the needs and interests of our diverse student body, our high schools offer a variety of academies that are designed to prepare students for a specific field or area of focus in a postsecondary experience (academic or work). During their time in the (Grades 10 through 12), we encourage our students to begin to focus their program of study with an eye to their intended post-secondary experiences. There are different Academies at Shea and Tolman. The program descriptions are listed below.

- Students are expected to complete a program of study that includes both required and suggested courses. Participation in internships and/or work experiences is also an expectation of the program. Additionally, some academy courses may be taken for college credit. Academy certification will be noted on participating students' transcripts upon successful completion of the program. College course credit is offered in some of our Academy programs.

### ACADEMIES (JMW)

**DANCE** – The Dance Department is process oriented and is designed to immerse students in the fundamentals of dance from beginner to advanced Technique. The program teaches dance technique in Ballet and Modern dance as well as anatomy & injury prevention, dance history, choreography, and pedagogy skills. In addition dancers are exposed to a variety of styles and techniques through visiting artists and residency programs with various professional dance companies. The final year additionally focuses on the audition process and concert/dance production. Formal and informal performances, in and out of the classroom, help students develop performance skills and the ability to give and take constructive criticism from their peers as well as Dance Artists from the community. All students must produce and choreograph for a SENIOR Concert in their fourth year. In addition, all dancers are expected to perform or work backstage for this concert on an annual basis starting in their first year. The Dance department is designed to graduate students with the ability to successfully audition into a college dance program or move directly into the field of Dance Education, Performance, or Choreography.

**THEATRE** – The JMW theater program is process oriented. The student actor will explore voice and movement, dramatic texts and interpretation as well as learning how to create and sustain believable characters through collaborative and truthful storytelling. Formal and informal performances, in and out of the classroom, help students develop performance skills and the ability to give and take constructive criticism from their peers. Students will graduate with the ability to successfully audition into a college theatre program.

**MUSIC** – This course program is designed for music majors. The three main components of study over the four years will include Solo Repertoire, Music Theory (with Traditional Notation), and Aural Development. The students will learn the following musical skills: Sight Singing, Ear Training, Aural Awareness, Harmony, Rhythm, Melody, Composition and Improvisation. These skills will be expanded on with the use of piano, guitar, and voice training. Knowledge will continue in a more advanced level through each grade level. Students will complete an adult level piano course instruction over the four years. In the junior year, music students will be required to complete 12 chapters of a college level music history course and finish the other 12 chapters in their senior year. During the senior year, students will be required to take the AP Music Theory course and have the option of taking the AP Music Theory Test. The AP Music course has been approved by the College Board and the syllabus has been adopted to meet the required course curriculum. Finally, seniors will be required to perform a Senior Recital as part of the final requirement of the course load.

**ART** – The JMW visual art course of studies is a four year curriculum designed to build an increasingly advanced set of art skills and experiences. The first two and a half years lays a comprehensive foundation of techniques and materials for drawing, printmaking, sculpture, painting, and art history. The last year and a half, students focused on creating a personal body of work for their college admissions portfolio, exhibits, and public art. Professional guest artists bring specialized instruction to the classroom and connect the classes to the working art world.

**VIDEO AND FILM PRODUCTION ACADEMY** -- A newly approved program, the Video and Film Production Academy will provide training for entry-level employment in a wide array of industries. These include audio, video and film. Other work possibilities could lead to work in cable television, education, radio and A/V business related fields. Students in this program can also pursue higher education degrees in the video, film and audio education realms. This newly approved CTE program will have students using professional grade equipment and software. They will create student driven productions. They will obtain a solid foundation in audio, video, and film style projects. Students will develop skills in video recording/editing, audio recording/editing, video production, screenwriting, animation, web design, lighting techniques and crew positions. In addition, students in this program will apply their knowledge and skills in industry work experiences that may lead to paid or unpaid internships.

## Dance - Plan of Study

JMW School for the Performing and Visual Arts

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended academy coursework and should be individualized to meet each learner’s educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

### Freshman Schedule

Semester 1	Semester 2
Dance Technique I	Dance Technique I

### Sophomore Schedule

Semester 1	Semester 2
Dance Technique II	Dance Technique II

### Junior Year

Semester 1	Semester 2
Dance Technique III	Dance Technique III

### Senior Schedule

Semester 1	Semester 2
Dance Technique IV	Dance Technique IV

**Required Additional Courses**

Dance Anatomy  
Dance History

Dance Composition

## Theatre - Plan of Study

JMW School for the Performing and Visual Arts

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended coursework and should be individualized to meet each learner’s educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

### Freshman Schedule

Semester 1	Semester 2
Theatre 9: Introduction to Theater Acting	Theater 9: : Introduction to Theater Acting

### Sophomore Schedule

Semester 1	Semester 2
Theatre 10	Theater 10

**Junior Year**

Semester 1	Semester 2
Theater 11	Theatre 11

**Senior Schedule**

Semester 1	Semester 2
Theater 12	Theater 12

**Required Additional Courses**

Dramatic Literature Introduction to Playwriting

**Suggested Courses**

Public Speaking Non-Western Theater

## Music - Plan of Study

JMW School for the Performing and Visual Arts

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

**Freshman Schedule**

Semester 1	Semester 2
Music 9	Music 9

**Sophomore Schedule**

Semester 1	Semester 2
Music 10	Music 10

**Junior Schedule**

Semester 1	Semester 2
Music 11	Music 11

**Senior Schedule**

Semester 1	Semester 2
AP Music Theory	AP Music Theory

**Required Courses**

Chorus

**Suggested Courses**

Performance Ensemble  
Introduction to Piano

Introduction to Guitar  
Song Writing

## Art - Plan of Study

JMW School for the Performing and Visual Arts

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

**Freshman Schedule**

Semester 1	Semester 2
Art 9: Materials and Techniques	Art 9: Materials and Techniques

**Sophomore Schedule**

Semester 1	Semester 2
Art 10: Color and Anatomy	Art 10: Color and Anatomy

### Junior Year

Semester 1	Semester 2
Art 11: Landscapes/Interiors and Figure	Art 11: Landscapes/Interiors and Figure

### Senior Schedule

Semester 1	Semester 2
Art 12: Portfolio and Public Art OR AP Studio Art	Art 12: Portfolio and Public Art OR AP Studio Art

**Required Courses**

Art History I and II

**Suggested Courses**

Comic Illustration      Digital Media & Design      Sculpture      Ceramics

## Video and Film Production Pathway - Plan of Study

JMW School for the Performing and Visual Arts

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements. This first year two new electives are planned - subsequent courses will be added based about CTE and funding approval processes.

### Freshman Schedule

Semester 1	Semester 2
Video & Film Production I	Video & Film Production I

### Sophomore Schedule

Semester 1	Semester 2
Video & Film Production II	Video & Film Production II

### Junior Schedule

Semester 1	Semester 2
Video & Film Production III	Video & Film Production III

**Required Additional Courses**

Film History I & II  
Narrative/Documentary Film I & II  
Animation  
Digital Media & Design  
Advanced Editing & Sound

**Suggested Courses**

Introduction to Screenwriting

## ACADEMIES (Shea High School)

**INFORMATIONAL TECHNOLOGY (COMPUTER SCIENCE)** - The focus of this academy is on careers related to computer programming and/or cybersecurity. Students will develop an understanding of what computer and data science is, as well as begin the journey into different programming languages used to develop applications, software and websites. This program is offered in conjunction with the University of Rhode Island and Rhode Island Department of Education's CS4RI program. **CYBERSECURITY** Pathway is offered within the Academy, with additional course requirements.

**GOVERNMENT AND PUBLIC ADMINISTRATION** – The focus of this academy is on careers related to the execution of governmental functions to include the Governance, Security, Planning, Regulation, Management and Administration at the local, state, and federal levels. This program is offered in conjunction with Roger Williams University.

**PRE-ENGINEERING** - The focus of the Pre-Engineering Academy is to prepare students for careers and/or postsecondary study in civil engineering, mechanical engineering, robotics, and occupations related to advanced manufacturing, construction, mechanical engineering, and computer design related occupations. There is also a corollary program/bonus with WindWINRI involving wind turbines, environmental science and various end course certifications. See Offshore Wind Energy Program.

# Pre-Engineering Academy - Plan of Study

Shea High School

*This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.*

## Required Courses: Pre-Engineering

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	STEM Lab - semester course	Introduction to Robotics - 1st semester Advanced Robotics - 2nd semester	Engineering Design (full year) or Wind Energy and Turbine Technology (full year) or Pre-Engineering Internship (full year)	Pre-Engineering Internship (full year) or Wind Energy and Turbine Technology (full year)

Occupations Related to this Academy	Level of Education Required			
	Career/Technical School	Community College	4 Year College	Advanced College Degree
Engineering Technician - Electrical, Industrial, or Mechanical	X	X		
Entry Level Technician Associate	X	X		
Entry Level CAD Drafting	X	X		
Assistant Surveyor	X	X		
Assistant Project Designer	X	X		
Assistant Construction Project Manager	X	X		
Various Military Related Occupations	X	X		

Engineer, Mechanical , Industrial , Electrical , Computer Technology			X	X
Innovator/ Inventor	X	X	X	X
Specialist - Medical/ Pharmaceutical			X	X
Production Manager			X	
Plant Supervisor			X	

Students enrolled in the Pre-Engineering Academy must also take Pre-Calculus, Chemistry and Physics in order to be prepared for Engineering courses at the college level.

## Shea High School Offshore Wind Energy Program

The WindWin RI Offshore Wind Energy Certificate is comprised of required content in the following disciplines:

- Engineering & Technology
- Environmental Science
- Marine Safety
- Marine Transportation (optional)

Pawtucket Shea High School has one related CTE Program: Pre-Engineering. The required content/modules will be embedded-in and acquired-through the following courses:

Grade	Pre-Engineering CTE Courses	WindWin RI Courses (Bonus to CTE Program)	Related Science
9	<b>STEM Lab</b> (Projects: problem identification, establishing goals, problem solving, documentation, Communications: oral, Google presentations)		<b>Physical Science</b> (Physics of Energy: conversions, force, weight, density)
9 or 10	<b>Introduction to Robotic/Advanced Robotics</b> (Engineering Design Processes: problem identification, research, design solution, trouble shoot & redesign. Using Power Tools: Vex Kit, drills, cutting, rotor, Dremel, blades. 3-D Design. Statistical Analysis. Communications: oral, written and presentations.)		<b>Biology</b>
10 or 11	<b>Engineering Design – called Civil Engineering</b> (Auto Cad: Innovator or Solid Works)	<b>Environmental Science</b>	<b>Environmental Science</b>
		<b>Marine Safety (STCW-10)</b> ½ year ACN	
11 or 12	<b>Wind Energy and Turbine Technology</b> (CCRI Engineering & Technology Course- see syllabus)	<b>Wind Energy and Turbine Technology</b> (CCRI Engineering & Technology Course)	
<b>Work Based Learning Requirements</b>			
	<b>Wind Turbine Competition</b> (After School Club)	OR	<b>Internship (80 hours)</b> Partnership with Skills RI
	<b>Field Trip: Boat Trip to visit Block Island Wind Farm</b>		
	<b>Other Associated Courses with Wind Energy Content --- Optional Courses</b>		
	<b>Marine Transportation</b> (6 pack /launch driver license) ½ ACN		

- OSHA = OSHA 10 equivalency embedded.
- Four sections of US Coast Guard STCW-10 Certification earned.

# Informational Technology (CS) Academy - Plan of Study

Shea High School

*This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements. Ninth and tenth graders would typically be fulfilling course requirements for graduation.*

## Required Courses: Computer Science

	9 <sup>TH</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
		Introduction to Computing and Data Science (half year) AND ** Computer Science Work-Based Learning (half year)	Introduction to Programming (full year) OR AP Computer Science Principles (full year)	Cyber Security (full year) OR AP Computer Science A (full year) OR App Programming/Work-based Learning Project (full year)
Occupations Related to this Academy	Level of Education Required			
	Career/Technical School	Community College	4 Year College	Advanced College Degree
Software Application Developer			X	
Web Developer		X	X	
Computer Network Architect			X	
Computer Systems Analyst			X	
Computer Programmer			X	
Network Systems Administrator			X	
Security Analyst			X	X
Security Engineer			X	X
Cryptographer/Cryptanalyst			X	X
Security Software Developer			X	X
Security Administrator			X	X
Security Architect			X	X

\*\* Provided Shea High School be accepted by the Rhode Island Department of Education for the Grant involving this course \*\*

# Government and Public Administration Academy - Plan of Study

Shea High School

This plan of study should serve as a guide, along with other career planning materials, as you chart your career path. Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

## Junior Schedule

Semester 1	Semester 2
Law and Society – Civil	Law and Society – Criminal*

## Senior Schedule

Semester 1	Semester 2
American Government and Civics (A)*	American Government and Civics (B)*
Public Administration Internship (A)*	Public Administration Internship (B)*

\*Indicates a required course in this academy.

## Suggested Courses

*Psychology, Sociology, World History (Social Studies), Public Speaking (ELA), World Language*

Occupations Related to this Academy	Level of Education Required			
	Career/Technical School	Community College	4 Year College	Advanced College Degree
Legislative Assistant, Lobbyist, Mayor			X	
Intelligence Specialist			X	
Translator, Diplomatic Courier		X	X	
Management Analyst, Federal Aid Coordinator			X	
Assessor or Auditor			X	
Border Management			X	
Public Management and Administration			X	

## ACADEMIES (Tolman High School):

**FINANCE PATHWAY** - Finance is the management, creation and study of money, banking, credit, investments, assets and liabilities that make up financial systems, within individual households as well as globally. The financial field is very broad with multiple opportunities for entry as well as advancement.

**LAW AND PUBLIC SAFETY** – Law and Public Safety is a high demand field with a multitude of career paths. The focus of this academy is on careers related to this field, including protective services and homeland security. This program is offered in conjunction with Roger Williams University.

**MARKETING AND MANAGEMENT**– Marketing is the process by which companies determine what products or services may be of interest to customers, and the strategy to use in sales, communications and business development. This academy, developed in conjunction with Johnson & Wales University, focuses on careers in these fields.

**JROTC - Marine Corps Junior ROTC Program** - JROTC- The focus of Jr. ROTC is to instill in the Cadet the values of citizenship, service to the U.S., personal responsibility and a sense of accomplishment. JROTC explores multiple enlisted service career fields and officer track careers in all five branches of the U.S. Armed Forces. This academy is hosted in conjunction with the U.S. Marine Corps.

## Finance Academy- Plan of Study

Tolman High School

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements. Plans for Academy program in 2019-20.

### Sophomore Year

Semester 1	Semester 2
Financial Literacy	Banking and Credit

### Junior Schedule

Semester 1	Semester 2
Accounting I	Accounting I

### Senior Schedule

Semester 1	Semester 2
Financial Planning	Business Related Course
Finance Internship	Finance Internship

## Law and Public Safety Academy - Plan of Study

Tolman High School

**This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.** Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

### Sophomore Year

Semester 1	Semester 2
Introduction to Criminal Justice*	Introduction to Criminal Justice*
American Government & Civics (A) (In place of US History I)	American Government & Civics (B) (In place of US History I)

### Junior Schedule

Semester 1	Semester 2
Forensics*	Forensics**
Responding to Emergencies (PE Credit)	

### Senior Schedule

Semester 1	Semester 2
Law & Society Criminal*	Law & Society Civil*
Law and Public Safety Internship (A)*	Law and Public Safety Internship (B)*

**Suggested Courses:** Advanced Forensics

\* Students enrolled in both Law & Society Criminal & Civil are eligible for three college credits from Roger Williams University

\*\*Students enrolled in Forensics and Advanced Forensics are eligible for three college credits from Roger Williams University

## Marketing and Management Academy - Plan of Study

Tolman High School

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

### Sophomore Schedule

Semester 1	Semester 2
Business Management (A)	Business Management (B)

### Junior Schedule

Semester 1	Semester 2
Marketing (A)	Marketing (B)

### Senior Schedule

Semester 1	Semester 2
Digital Media and Design	
Marketing and Management Internship (A)*	Marketing and Management Internship (B)*

#### Suggested Courses

Accounting                      Economics

## JROTC - Plan of Study

Tolman High School

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements, as well as college entrance requirements.

### Freshman Schedule

Semester 1	Semester 2
JROTC – Level 1	JROTC – Level 1

### Sophomore Schedule

Semester 1	Semester 2
JROTC – Level 2	JROTC – Level 2

### Junior Year

Semester 1	Semester 2
JROTC – Level 3	JROTC – Level 3

## Senior Schedule

Semester 1	Semester 2
JROTC – Level 4	JROTC – Level 4

### Suggested Courses

Emergency Response

American Government and Civics

Public Speaking

Geography

## English Department

### ENGLISH LANGUAGE ARTS INTERVENTION

COURSE OFFERED AT: JMW - NO Shea - YES Tolman - YES

**Code: 100**

**1 Credit**

This is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below the proficient level. This program directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading and writing skills.

**Prerequisite: Teacher recommendation**

### ADVANCED STANDING ENGLISH LANGUAGE ARTS 9

COURSE OFFERED AT: JMW - YES Shea - YES Tolman - YES

**Code: 101**

**1 Credit**

This course is offered to students who have already demonstrated grade level proficiency in reading and writing and are interested in pursuing a rigorous course of study that is both expanded and enriched. Students study poetry, drama, short story, and the novel. Focus is on literary analysis; small and large group discussion and informational writing. Students complete extended text-based projects and oral presentations.

### ENGLISH LANGUAGE ARTS 9

COURSE OFFERED AT: JMW - YES Shea - YES Tolman - YES

**Code: 102**

**1 Credit**

This course is offered to students who have already demonstrated grade level proficiency in reading and writing. Students study poetry, drama, short story, and the novel. Focus is on literary analysis; small and large group discussion and informational writing. Students complete extended text-based projects and oral presentations.

### ADVANCED STANDING ENGLISH LANGUAGE ARTS 10

COURSE OFFERED AT: JMW - YES Shea - YES Tolman - YES

**Code: 111**

**1 Credit**

The course is offered to students who have already demonstrated grade level proficiency in reading and writing and are interested in pursuing a rigorous course of study that is both expanded and enriched. It is an intensive study of American Literature that exposes students to the many works that have shaped American culture. Reading/writing assignments include responding to literary and informational text, informational writing, and persuasion. Group work and oral presentations are components of this course. Summer reading is mandatory, is intended to enhance your learning, and is factored into the grade for the course.

### ENGLISH LANGUAGE ARTS 10

COURSE OFFERED AT: JMW - YES Shea - YES Tolman - YES

**Code: 112**

**1 Credit**

In this course students examine American Literature and are exposed to the works that have shaped American culture. Reading and writing assignments include responding to literary and informational text, informational writing, and persuasion. Group work and oral presentations are components of this course.

### WORLD LITERATURE

COURSE OFFERED AT: JMW - NO Shea - NO Tolman - YES

**Code: 115**

**1 Credit**

World Literature is a course that covers literature study, reading, writing, and language. Students read literature from around the world, including the following genres: short story, poetry, memoir, autobiography, and drama. They read examples of informational writing, such as a letter, magazine article, newspaper article, speech, editorial, and movie or book review. Additionally, they acquire and practice reading skills and strategies that are directly applicable to these literary and informational reading materials. In addition, students develop and practice writing and language skills. They employ the writing process to create narrative, expository, and persuasive compositions.

### ADVANCED STANDING ENGLISH LANGUAGE ARTS 11

COURSE OFFERED AT: JMW - YES Shea - YES Tolman - YES

**Code: 121**

**1 Credit**

This college preparatory course is offered to students who have already demonstrated grade level proficiency in reading and writing and are interested in pursuing a rigorous course of study that is both expanded and enriched. It is an intensive study of themes and issues found in western and non-western literature. Students engage in insightful discussions and work on creative projects that highlight the focus of the course.

Summer reading is mandatory, is intended to enhance your learning, and is factored into the grade for the course.

<p><b>ENGLISH LANGUAGE ARTS 11</b>  <b>Code: 122</b>  <b>1 Credit</b>  This college preparatory course is a study of themes and issues found in Western and non-western literature. Students engage in insightful discussions and work on creative projects that highlight the focus of the course.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - YES	Tolman - YES
<p><b>ADVANCED STANDING ENGLISH LANGUAGE ARTS 12</b>  <b>Code: 131</b>  <b>1 Credit</b>  This college preparatory course is a study of literature with an emphasis on analysis and interpretation of multicultural texts. Students engage in insightful discussions and work on creative projects that highlight the focus of the course.</p>	<p>COURSE OFFERED AT:</p>	JMW - NO	Shea - YES	Tolman - YES
<p><b>ENGLISH LANGUAGE ARTS 12</b>  <b>Code: 132</b>  <b>1 Credit</b>  This college preparatory course is a study of literature with an emphasis on analysis and interpretation of multicultural texts. Students engage in insightful discussions and work on creative projects that highlight the focus of the course.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - YES	Tolman - YES
<p><b>AP ENGLISH LANGUAGE AND COMPOSITION</b>  <b>Code: 135</b>  <b>1 Credit</b>  This course is geared to preparing motivated students for the Advanced Placement Exams in English Language and Composition. Students will engage in studying and writing various kinds of analytic or persuasive essays on non literary topics. Additionally, the course is offered and approved by Rhode Island College's Early Enrollment Program for possible college credit.  *Summer reading is mandatory, is intended to enhance your learning, and is factored into the grade for the course.  *Students enrolled in this course are expected to register and sit for the AP exam</p>	<p>COURSE OFFERED AT:</p>	JMW - NO	Shea - YES	Tolman - YES
<p><b>AP ENGLISH LITERATURE AND COMPOSITION</b>  <b>Code: 136</b>  <b>1 Credit</b>  This course is designed for motivated students with a command of standard English an interest in exploring and analyzing challenging classic and contemporary literature, and a desire to analyze and interpret dominant literary genres and themes.  *Summer reading is mandatory, is intended to enhance your learning, and is factored into the grade for the course.  *Students enrolled in this course are expected to register and sit for the AP exam</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - YES	Tolman - YES
<p><b>INTRODUCTION TO SCREENWRITING</b>  <b>Code: 140</b>  <b>½ Credit</b>  Introduction to Screenwriting gives students a foundation in the principles and techniques of writing for Film and Television. Areas of focus includes story structure, character development, tone, genre, and attention to audience. Equal consideration is given to both the technical and creative aspects of the medium. Using industry standard Final Draft software, students will develop and produce finished works at a level that is both effective and reflective of individual voice.</p>	<p>COURSE OFFERED AT:</p>	JMW – YES	Shea - NO	Tolman - NO
<p><b>CREATIVE WRITING</b>  <b>Code: 151</b>  <b>½ Credit</b>  This course focuses on drawing out the creative side of the student writer. Through structured in-class exercises, assigned readings, peer-editing and informal group discussions, students produce and critique creative writing poems, essays, and short stories.</p>	<p>COURSE OFFERED AT:</p>	JMW – NO	Shea - YES	Tolman - YES
<p><b>CSI PAWTUCKET</b>  <b>Code: 152</b>  <b>½ Credit</b>  C.S.I. Pawtucket ... You are the detective in this reading and writing workshop. This course investigates mysteries, past and present, from Edgar Allen Poe to R.L. Stine. Find the hidden clues to the secrets of mystery writing.</p>	<p>COURSE OFFERED AT:</p>	JMW – NO	Shea - YES	Tolman - NO
<p><b>CHILDREN'S LITERATURE</b>  <b>Code: 153</b>  <b>½ Credit</b>  This reading and writing workshop explores various genres of children's literature from around the world. Discover the appeal of these timeless tales. Students will participate in extended text-based projects and creative writing pieces.</p>	<p>COURSE OFFERED AT:</p>	JMW – NO	Shea - YES	Tolman - YES
<p><b>PUBLIC SPEAKING</b>  <b>Code: 154</b>  <b>½ Credit</b>  Speaking before an audience doesn't need to be an intimidating experience. In this course, students examine a variety of public speaking genres, styles and strategies. Students apply these strategies to evaluate, prepare, and deliver various presentations. This course is open to Juniors and Seniors only at Shea and Tolman. Open to all at JMW.</p>	<p>COURSE OFFERED AT:</p>	JMW – YES	Shea - YES	Tolman - YES

**JOURNALISM BASICS**COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - YES****Code: 155****½ Credit**

Students learn the basics of journalism: writing and reporting, interviewing, and editing. Emphasis is on history and importance of journalistic writing in present day society. Students begin outlining school publication.

**CONTEMPORARY AMERICAN FILM**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES****Code: 156****½ Credit**

*Lights! Camera! Action!* If you love to watch, think and talk about movies then this is the course for you. This course focuses on film as a storyteller. Students explore leading film genres including action-adventure, comedy, drama, romantic, sports, musical/dance, mystery, science fiction/fantasy, the biopic and documentaries. It examines the impact of film on popular culture and in turn how film represents modern culture. The role of literature on film is also considered. Readings include works of fiction, journalism, and social history. This course culminates in a multimedia presentation.

**THEATER**COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - NO****Code: 157****½ Credit**

*Another Opening! Another Show!* This course is designed to introduce students to various aspects of the theater. Areas explored include the history of theater, acting, directing, script writing, technical design and production. Students read, view and critique drama and have the opportunity to participate in authentic theater experiences. Standards: R4, 5, 6; W6; TH1, 2

**ADVANCED THEATER**COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - NO****Code: 158****½ Credit**

Students concentrate on improving their acting skills and becoming better communicators vocally, physically, and mentally. They study, write, and perform dialogue which reveals character motivation. Students also perform improvisational and theater exercises, act opposite classmates and develop auditioning skills. Students in the course are required to participate in a performance of adapted scenes.

Standards: W4, W5, W14, OC1, OC2, TH2, 3 **Prerequisite: Theater**

**STUDIES IN RACISM AND DIVERSITY**COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES****Code: 162****½ Credit**

This course examines issues of oppressed people dating from the 1800s to the present. Topics to explore/research include racism, genocides (Holocaust, Chinese, Armenian, and Darfur), civil rights, cultural and ethnic diversity, apartheid and humanitarian solutions. The focus of the course is on identifying root causes, issues, and effects. Students are immersed in carefully guided readings with related writing tasks (reflective, informational, critical, persuasive), oral presentations, and problem-solution research.

**MYTHS & LEGENDS**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES****CODE: 163****½ Credit**

In this course, students will explore select Greek and Roman myths about heroes and gods, their origins, their symbolic significance and their portrayal of fact and fiction and realities and ideals. Students will read, analyze and research myths and legends in order to comprehend and appreciate their roles in literature and today's society.

**WRITING 104**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - YES****CODE: 164****½ Credit**

URI Writing 104 is a concurrent enrollment course, focuses on and emphasizes the rhetorical situation and helps students understand audience and purpose for everything they write, to see writing as a rhetorical opportunity, and crafting a fitting response to and shift between different genres and stances. This course requires several major projects plus other brief or informal writings. Students who successfully complete this course will earn 3 college credits for free. Grade 12 ONLY.

**SAT PREPARATION: English Language Arts**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES****Code: 165****½ Credit**

This course is designed to prepare students for the standardized college entrance exam, the Scholastic Aptitude Test (SAT) and make the SAT experience less intimidating. SAT Prep for English Language Arts consists of specific instruction in reading, writing, vocabulary, critical thinking, and grammar. Students will also learn strategies for answering the different types of multiple choice questions. Additionally, students will be challenged to write an essay analyzing how the author of a persuasive passage supports an argument to persuade an audience. Students will also learn and practice test-taking strategies and short-cuts that will help develop the test-taking skills necessary for success on the SAT. Juniors only

**POETRY AND DRAMA**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - NO****Code: 169****½ Credit**

This course examines two different genres of literature that can take on many forms, from song lyrics and poems to plays and TV scripts. The focus of the course is on literary analysis and includes poetry-writing workshops. Students are required to write poetry and complete a literary comparative analysis. This course must be taken in conjunction with Creative Writing (Code 151)

Standards: W3, 12, 13

**DIGITAL JOURNALISM**COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES****Code: 150****½ Credit**

Students apply journalistic basics in creating and analyzing 21st century communication. Emphasis on examination of digital formats; interactive news sites, blogs, vlogs, and social media. Students become versed in determining the legitimacy of “news” in today’s journalism, and will develop their own digital “voice.”

## Mathematics Department

The Mathematics Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **Common Core State Standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department’s goal is to provide all students with the opportunity to reach proficiency.

*A scientific calculator with a fraction key (a b/c) is required for all math courses. Some courses require a graphing calculator and are so designated.*

**MATH LAB FOR ALGEBRA**COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - YES****Code: 200****1 Credit**

This course is intended to assist students in mastering the fundamentals of Algebra 1 while providing additional support to address any gaps students may have in their prior knowledge. It is taken concurrently with Algebra 1.

*\*Teacher recommendation is required.*

**ALGEBRA I**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES****Code: 202****1 Credit**

This course introduces students to fundamental algebraic concepts. Connections are made to real world applications. The development of conceptual understanding is balanced with the need for the development of efficient skills. Topics include: interpreting and using variables, expressions, and equations; linear and nonlinear functions and relationships; scatter plots and systems of linear equations; exponents and polynomials, and introduction to quadratics.

*\*Graphic Calculators may be used (TI-83/84 Recommended)*

**INTRODUCTION TO ALGEBRA I THROUGH GEOMETRY**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - NO****Code: 205****1 Credit****Prerequisites:** Teacher Recommendation

This two semester course for incoming freshman covers the second semester of Algebra 1 and the first semester of Geometry. The course begins with a review of concepts covered in the grade 8 Algebra curriculum, including; number properties, ratios and proportions, solving, graphing and writing linear equations and linear inequalities, and solving systems of linear equations and linear inequalities. Following this review, students will be introduced to powers and exponents, quadratic equations, polynomials and factoring, proportions, functions and radicals. The second semester of this course covers the first half of the Geometry course including introducing key concepts such as using points, lines and planes, deductive reasoning and proofs, congruent triangles and properties of triangles and polygons.

**ALGEBRA CONCEPTS**COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES****Code: 203****1 Credit**

This course is intended for students who need additional support to complete Algebra 1. This course introduces students to fundamental algebraic concepts. Connections are made to real world applications. The development of conceptual understanding is balanced with the need for the development of efficient skills. Topics include: interpreting and using variables, expressions, and equations; linear and nonlinear functions and relationships; scatter plots and systems of linear equations; exponents and polynomials, and introduction to quadratics. *\*Teacher recommendation is required.*

**ADVANCED ALGEBRA CONCEPTS**COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES****Code: 204****1 Credit**

This course emphasizes concepts and skills from the second half of an Algebra 1 course involving the topics of non-linear algebra. Students will work with quadratic and exponential equations and apply them to the solution of real world problems. Students will continue to work with functions and apply their understanding of functions to situations that model quadratic and exponential data. Students will apply their knowledge through assignments that include demonstrations and activities as well as common course assessments.

**ADVANCED STANDING ALGEBRA II**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 209

1 Credit

The course is offered to students interested in pursuing a rigorous course of study that is both expanded and enriched. It is an in-depth study of relations and functions, monomials and polynomials, quadratic functions, complex numbers, linear systems, linear and quadratic inequalities, radical expressions, rational expressions, and exponential and logarithmic functions.

*Graphing Calculators may be used. (TI-83/84 Recommended)*

**Prerequisite: AS Geometry or teacher recommendation**

**ALGEBRA II**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 212

1 Credit

This course is an in-depth study of relations and functions, monomials and polynomials, quadratic functions, complex numbers, linear systems, linear and quadratic inequalities, radical expressions, rational expressions, and exponential and logarithmic functions.

*Graphing Calculator may be used. (TI-83/84 Recommended)*

**Prerequisite: Algebra I; Geometry is suggested, but not required**

**ADVANCED STANDING GEOMETRY**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 221

1 Credit

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. It introduces students to geometric thinking, proofs, and applications. Topics include the relationships of points, lines, planes, and space, geometric constructions, properties of the common geometric figures (angles, triangles, quadrilaterals, circles, polygons and spheres), congruence and similarities of geometric figures, areas, perimeters and volume, right triangle trigonometry and transformations. **Prerequisite: teacher recommendation, Algebra I**

**GEOMETRY**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 222

1 Credit

This course introduces students to the geometric thinking, proofs, and applications. Topics include the relationships of points, lines, planes, and space, geometric constructions, properties of the common geometric figures (angles, triangles, quadrilaterals, circles, polygons and spheres), congruence and similarities of geometric figures, areas, perimeters and volume, right triangle trigonometry and transformations. **Prerequisite: Algebra I**

**MATH LAB FOR GEOMETRY**COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - NO**

Code: 223

1 Credit

This course is intended to assist students in mastering the fundamentals of Algebra 1 while providing additional support to address any gaps students may have in their prior knowledge. It is taken concurrently with Algebra 1 **\*Teacher recommendation is required.**

**GEOMETRIC CONCEPTS**COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES**

Code: 225

1 Credit

This course is intended for students who need additional support to complete Geometry. This course introduces students to the geometric thinking, proofs, and applications. Topics include the relationships of points, lines, planes, and space, geometric constructions, properties of the common geometric figures (angles, triangles, quadrilaterals, circles, polygons and spheres), congruence and similarities of geometric figures, areas, perimeters and volume, right triangle trigonometry and transformations.

*Teacher recommendation is required. Prerequisite: Algebra I*

**ADVANCED GEOMETRIC CONCEPTS**COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES**

Code: 226

1 Credit

This course emphasizes concepts and skills from the second half of a Geometry course involving the topics of non-proof geometry. Students investigate the fundamental topics, including the following: Special Angle Relationships, Parallel and Perpendicular Lines, Congruent Triangles, Similarity, Transformations, and Properties of Circles. Emphasis is on number sense and operations, measurement, reasoning and problem solving, as well as basic algebra and geometry skills.

**ADVANCED STANDING PRE-CALCULUS**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 231

1 Credit

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. It is designed to prepare students for Calculus or as a preparation for college level mathematics. Topics include linear relations and functions, the nature of graphs, polynomial and rational functions, trigonometric functions and their graphs, identities and equations, conics, complex numbers, and exponential and logarithmic functions. If time permits, polar coordinate topics are introduced. All topics routinely require the use of the graphing calculator

*(TI-83/84 recommended).*

**\*Prerequisites: AS Algebra II and AS Geometry or teacher recommendation**

**PRE-CALCULUS**

COURSE OFFERED AT:

JMW – NO

Shea - YES

Tolman - YES

Code: 232

1 Credit

This course is designed to prepare students for Calculus or as a preparation for college level mathematics. Topics include linear relations and functions, the nature of graphs, polynomial and rational functions, trigonometric functions and their graphs, identities and equations, conics, complex numbers, and exponential and logarithmic functions. If time permits, polar coordinate topics will be introduced. All topics routinely require the use of the graphing calculator (*TI-83/84 recommended*).

**\*Prerequisites: Algebra II and Geometry or teacher recommendation**

**ADVANCED PLACEMENT CALCULUS**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 241

1 Credit

AP Calculus is a full-year course with a required Advanced Placement exam at the end of the school year. It is a prerequisite for any extended work in mathematics, science or social sciences at the college level. Topics include lines, functions and graphs, limits and continuity, derivatives and their applications, integrals and their applications, differential equations and mathematical models. Solutions are determined and verified using the graphing calculator.

**\*Graphing Calculator Required (TI-83+ Recommended)**

**\*Prerequisite: AS Pre-Calculus or teacher recommendation**      **\*Students enrolled in this course are expected to register and sit for the AP exam**

**CALCULUS**

COURSE OFFERED AT:

JMW – NO

Shea - YES

Tolman - YES

Code: 242

1 Credit

This course is a prerequisite for any extended work in mathematics, science or social sciences at the college level. Topics include lines, functions and graphs, limits and continuity, derivatives and their applications, differential equations and integrals and their applications. Solutions are determined and verified using the graphing calculator.

**\*Graphing Calculator recommended (TI-83+ Recommended) \*Prerequisite: Pre-Calculus or teacher recommendation**

**COLLEGE MATH**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 260

1 Credit

This course is designed for the college-bound student who wants to continue math beyond Algebra II and Geometry in preparation for college. It reviews, sharpens and extends mathematical skills, concepts and problem solving. Topics include exponents and scientific notation, quadratics, polynomials, complex numbers, probability and statistics, combinations and permutations, trigonometric functions, and exponential and logarithmic functions.

**\*Prerequisite: Algebra II and Geometry \*Students cannot take College Math if they have successfully completed Pre-Calculus.**

**PROBABILITY AND STATISTICS**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 261

½ Credit

In this semester course, students develop and apply mathematical concepts necessary for career pathways in forensics, health sciences, social sciences, business and educational studies. It provides students with a basic knowledge of probability and statistics including counting, organizing, and reporting data, measures of central tendency, standard deviation, area models for probability, line plots, stem and leaf plots, and graphs.

**\*Prerequisites: Algebra II and Geometry**

**A suggested elective for students in the Law and Public Safety Academy (Tolman). At JMW this is a full year 1 credit course.**

**TOPICS IN MATHEMATICS**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 262

1 Credit

The purpose of this course is to introduce and prepare students for the mathematics that is involved in the lives of everyday citizens. This course is designed for Seniors who wish to strengthen their Algebra skills before exploring diverse math content. Curriculum units include Algebra, number theory, consumer mathematics and financial management, statistics, and probability.

*Seniors only.*

**MATHEMATICS THROUGH PUZZLES AND GAMES**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - NO

Code: 263

½ Credit

This course is designed to promote the understanding of math concepts through the study of game theory and puzzle strategies. Students will study patterns to devise methods to solve puzzles and analyze games. Topics will include Networks, common Internet Puzzles, Card Games, Round Robin Tournament Construction, Logic Puzzles, Sudoku Puzzles and Brain Teasers. This course is an elective for students who show interest in this area and would like to discover the secrets behind common puzzles and to develop strategies to improve their abilities to win at various games.

*Seniors only*

**ADVANCED PLACEMENT STATISTICS**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 264

1 Credit

AP Statistics is a full-year course with a required Advanced Placement exam at the end of the school year. The course covers four major themes: exploratory data analysis; planning a study; probability; and statistical inference. A TI-83 or TI-83 Plus graphing calculator is required for the course and computer software will also be used.

**\*Prerequisite: Strong reading comprehension skills are needed and successful completion of Algebra II.**

**\*Students enrolled in this course are expected to register and sit for the AP exam**

**SAT PREPARATION: MATHEMATICS**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 265

½ Credit

This course is designed to prepare students to take the SAT and make the SAT experience less intimidating. It provides a review of the topics covered in the mathematics portion of the SAT test. Curriculum units will focus on math questions from the four major content groups which include The Heart of Algebra, Problem Solving and Data Analysis, Passport to Advanced Math, and Additional Topics in Math. SAT practice problems will be embedded in each unit to enhance student's reasoning, critical thinking and problem solving abilities. Students will also learn and practice mathematical strategies and shortcuts that will help develop the test taking skills necessary for success on the SAT. *Juniors only*

## Social Studies Department

The Social Studies Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **Common Core State Standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

**ADVANCED STANDING UNITED STATES HISTORY I**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 311

1 Credit

This course is offered to sophomores who have demonstrated grade level proficiency in reading and writing and are interested in pursuing a rigorous course of study that is both expanded and enriched. The American story, starting with the writing of the Constitution and concluding with the closing of the frontier in the late 19<sup>th</sup> century, is studied.

**UNITED STATES HISTORY I**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 312

1 Credit

This course is a survey of the American story starting with the writing of the Constitution and concluding with the closing of the frontier in the late 19<sup>th</sup> century. Students study, analyze, and interpret the important issues and events of our history during this period of time.

**ADVANCED STANDING UNITED STATES HISTORY II**

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 321

1 Credit

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. It continues the survey of the American story begun in United States History I. Students study, analyze, and interpret important developments that influenced the history of the United States from the Gilded Age to the present.

*\*Prerequisite: US History I*

**UNITED STATES HISTORY II**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 322

1 Credit

This course continues the survey of the American story begun in United States History I. Students study, analyze, and interpret important developments that influenced the history of the United States from Gilded Age to present.

**ADVANCED PLACEMENT US HISTORY**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 323

1 Credit

This Advanced Placement course is for students who have mastered the content and skills in US History I, and who want to study history at a greater depth. Summer reading and research projects are required. This college level course begins a chronological survey of US History from the colonial period through post-Civil War Reconstruction with instruction in historical research interpretation and analysis of primary sources. Whenever possible, national events will be viewed at the local or state level. Students enrolled in this course are expected to register and sit for the AP exam. Satisfactory scores on the AP exam may provide the student with college credits at many colleges and universities. Students will be advised to obtain a supplemental test preparation workbook.

*\*Students enrolled in this course are required to take the AP Exam.*

*\*Prerequisite: US History I*

**ADVANCED STANDING WORLD HISTORY I**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 331

1 Credit

The course is offered to entering freshmen who have demonstrated grade level proficiency in reading and writing and are interested in pursuing a rigorous course of study that is both expanded and enriched. Students study, analyze and interpret historical events to 1600. The expansion of European influences to become global in nature by 1600 is stressed, while Eastern influences will be introduced to complete the discussion.

**WORLD HISTORY I**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 332

1 Credit

In this course students study, analyze, and interpret historical events to 1600. An overview of European influences and their expansion is presented and contrasted with world events in the development of the Americas.

**WORLD HISTORY II**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 342

1 Credit

This course continues the discussion and analysis of world events and influences from 1600 to the present. Exploration, trade between eastern and western cultures, the growth of democracy, immigration, and twentieth century events will be stressed. **\*Prerequisite: World History I**

**ADVANCED PLACEMENT WORLD HISTORY**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES**

Code: 343

1 Credit

This Advanced Placement course is for students who have mastered the content and skills in World History I, and want to study history at a greater depth. Summer reading and historical research is required. This college level course begins a survey of World History from the Neolithic Revolution to our Modern society. There is historical research, interpretation and analysis of several primary sources. Students enrolled in the course are expected to register and sit for the AP exam. Satisfactory scores on the AP exam may provide the student with college credits at many colleges and universities.

**\*Students enrolled in this course are required to take the AP Exam.**

**SOCIOLOGY**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 350

½ Credit

This introductory course provides an overview of sociology as a discipline and includes an introduction to sociological concepts, methods, and perspectives. It also applies these concepts directly to social institutions such as family, religion, and politics. The sociological perspective of this course enables the student to view the surrounding world in a different light.

**PSYCHOLOGY**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 351

½ Credit

This is an introductory level course that covers the history, concepts, disorders and related therapies involved in the study of psychology. Elements of criminal and deviant behavior are also introduced.

**LAW AND SOCIETY – CRIMINAL**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 352

½ Credit

This course introduces and prepares students for career pathways in government or public administration. Law and Society connects the government, the American legal system, and the society in which the student lives. It is committed to the student's understanding of the foundation of law and ethical, societal obligations.

**LAW AND SOCIETY – CIVIL**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 353

½ Credit

This course explores the connections among the government, the American legal system, and our society. It examines tort, family law, and the basic principles of immigration law. Career pathways in these fields are examined and employment opportunities are researched.

**PUBLIC ADMINISTRATION and RI STATE GOVERNMENT INTERNSHIP PROGRAM**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 354

1 Credit

This course is an integral part of the Government and Public Administration Academy. It involves the student in the governmental functions relating to governance, national security, Foreign Service, planning, revenue and taxation, regulation and management. Administration of these functions is studied at the federal, state and local levels. Career pathways and research into the various employment opportunities in the related fields are emphasized. Students must be accepted by the RI Internship Program. Internships are non-paid assignments. Internships are available in the three branches of state government, state departments in public administration, and other state and local agencies. These internships allow students to gain experience in their field, enhance their resume, and improve their college application.

Standards: CG1, 5; AL2, 4, 5; E16, 17

*Required course for students in the Government and Public Administration Academy*

*Seniors only*

**HUMAN GEOGRAPHY**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 355

½ Credit

Human Geography focuses on the spatial aspects of population growth and distribution, cultural differentiation, urban growth and decline, the spread of ideas and innovations, regional development, and the location of economic activity. The central focus is the analysis of the relationship between society, place and space. The course focuses on social, economic, political, cultural and human-environment processes and patterns and how they change over space and time.

**AMERICAN GOVERNMENT AND CIVICS**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 356

1 Credit

The objective of this course is to understand the structure and function of government, to help students become more aware of their opportunities and obligations as citizens, and to develop citizenship skills. The U.S. Constitution is a major focus of this course.

**RHODE ISLAND HISTORY**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES****Code: 357****½ Credit**

This course traces RI History from the early exploration to the current age of reform. The contributions of RI and its people to the development of the United States will be included. Current issues and challenges are examined.

**PROBLEMS OF DEMOCRACY: US AND THE WORLD TODAY**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - NO****Code : 360****½ Credit**

To help students make sense of the fast-moving affairs of the United States and the world, this course will examine the most significant current issues, both American and international, within their proper historical context. These will include not only political, but also economic and social issues. Print and electronic newspapers and magazines, videos, guest speakers, and field trips will be utilized. Various career opportunities will be investigated throughout the semester. This is a collaborative class for students who have completed either US History I or US History II.

**INTRODUCTION TO CRIMINAL JUSTICE**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES****Code: 361****1 Credit**

This course introduces the student to the United States criminal justice system. Emphasis is placed on criminal law, law enforcement and criminology. Criminal cases are studied as a means to understanding the workings of the system. Various careers within the field are explored and field service experiences are incorporated into the program.

**LEGAL AND LAW ENFORCEMENT CAREER APPLICATIONS**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES****Code: 363****1 Credit**

This course provides students the opportunity for job experience, job shadowing, and possible internship positions in the legal and law enforcement career areas. Student coursework is individualized and differentiated to meet their needs and interests.

*Seniors only***ADVANCED PLACEMENT PSYCHOLOGY**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES****Code: 364****1 Credit**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Grades 11 and 12.

## Science Department

The Science Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **Common Core State Standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

**The recommended course sequence for students is: Physical Science (9<sup>th</sup> grade), Biology (10<sup>th</sup> grade) and Chemistry (11<sup>th</sup> grade).**

**ADVANCED STANDING PHYSICAL SCIENCE**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES****Code: 400****1 Credit**

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. It introduces students to the fundamental concepts, skills and techniques used in chemistry and physics. The topics of study in semester one include: scientific tools and measurements, physical and chemical properties and changes, properties of matter, basic atomic structure and the periodic table. Semester two will focus on: forces and motion, speed, velocity and acceleration and Newton's Laws.

**PHYSICAL SCIENCE**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES****Code: 401****1 Credit**

This course introduces students to the fundamental concepts, skills and techniques used in chemistry and physics. The topics of study in semester one include: scientific tools and measurements, physical and chemical properties and changes, properties of matter, basic atomic structure and the periodic table. Semester two will focus on: forces and motion, speed, velocity and acceleration and Newton's Laws.

**ADVANCED STANDING BIOLOGY 1**COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES****Code: 402****1 Credit**

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. Students taking this course have demonstrated proficiency in the reading and writing state standards. Biology is the study of life. In this laboratory science course students will study molecules, cells, organisms and their relationship to each other and the world they inhabit. The course builds on the understanding of cells and moves through cell 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

lab work. Topics of study include the structure and function of living things, DNA the code of life, interactions between and among organisms and the environment, the theory of evolution, and how technology has advanced our understanding of these topics.

### BIOLOGY I

COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 403

1 Credit

Biology is the study of life. In this laboratory science course students will study molecules, cells, organisms and their relationship to each other and the world they inhabit. The course builds on the understanding of cells and moves through cell 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 lab work. Topics of study include the structure and function of living things, DNA the code of life, interactions between and among organisms and the environment, the theory of evolution, and how technology has advanced our understanding of these topics.

### ADVANCED PLACEMENT BIOLOGY

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 410

1 Credit

Content will consist of rapid review of general biology and include but not be limited to an in-depth study of general biological concepts such as genetics, biological energetics, mechanism of enzyme action, and protein synthesis. This course is designed to be equivalent to the general biology course taken in the first year of college.

**\*Students enrolled in this course required to take the AP Exam.**

### ADVANCED STANDING CHEMISTRY I

COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 420

1 Credit

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. Students taking this course have demonstrated proficiency in the reading, writing, and mathematics state standards. Chemistry is a laboratory science course in which students investigate the properties and structure of matter and the physical and chemical changes it undergoes. Students use science process skills and problem solving to study the periodic table, the fundamental structure of atoms, how atoms combine to form compounds, the interactions between matter and energy and the stoichiometric relationship between substances. Students explore chemistry concepts through a variety of classroom and laboratory activities.

### CHEMISTRY I

COURSE OFFERED AT: **JMW – YES** **Shea - YES** **Tolman - YES**

Code: 421

1 Credit

Chemistry I is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills and problem solving to study the properties and structure of matter, periodic table, the fundamental structure of atoms, how atoms combine to form compounds, the interactions between matter and energy, the gas laws, and the stoichiometric relationship between substances. Students explore chemistry concepts through a variety of classroom and laboratory activities.

### CHEMISTRY II

COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - NO**

Code: 422

1 Credit

This course allows students to continue with their study of Chemistry. Topics include solutions, kinetics, thermodynamics, acids and bases and organic chemistry. Students will collaborate, investigate and explore topics independently and in small groups. There is an emphasis on lab work in this course. Juniors and seniors.

### AP CHEMISTRY

COURSE OFFERED AT: **JMW – NO** **Shea - NO** **Tolman - YES**

Code: 493

1 Credit

AP Chemistry is a college-level course analogous to General Chemistry 1 and General Chemistry 2. Topics covered include gas laws, kinetics, chemical equilibrium, bonding theory, electrochemistry, thermochemistry, and other general-chemistry topics. Focus is on lab work, analysis, and writing with a great deal of mathematics applications. Fluency with algebra and ability to work independently in and outside of the classroom are strongly recommended.

### APPLIED CHEMISTRY

COURSE OFFERED AT: **JMW – NO** **Shea - YES** **Tolman - YES**

Code: 426

1 Credit

Applied Chemistry is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the periodic table, the fundamental structure of atoms, how atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through a variety of classroom and laboratory activities.

### ADVANCED STANDING PHYSICS

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 430

1 Credit

This course is offered to students who are interested in pursuing a rigorous course of study that is both expanded and enriched. This course is designed to instruct students in the classical physics concepts of kinematics, Newton's Laws of energy and electromagnetism and waves; preparing students to exist in an increasingly technological society. Students develop analytical, problem solving, and laboratory skills.

## PHYSICS

COURSE OFFERED AT: JMW - YES    Shea - YES    Tolman - YES

Code: 431

1 Credit

This physics course is designed to instruct students in the classical physics concepts, of kinematics, Newton's Laws of energy, electromagnetism and waves. The course will prepare students to exist in an increasingly technological society, develop the students' analytical, problem solving, and laboratory skills.

## ASTRONOMY

COURSE OFFERED AT: JMW - NO    Shea - YES    Tolman - YES

Code: 440

½ Credit

This course is a survey of modern astronomy. Topics covered will include: the solar system, galaxies, evolution of stars, black holes, and the methods used to explore these phenomena. Juniors and Seniors.

## OCEANOGRAPHY

COURSE OFFERED AT: JMW - YES    Shea - YES    Tolman - YES

Code: 450

½ Credit

This course deals with the physical, biological, and chemical aspects of our oceans. Examples of some of the topics that will be studied are; ocean geology, weather and climate, coastal science, marine life, ocean pollution, just to name a few. Special emphasis will be placed on our local and regional areas: current research and events will be explored as well as career paths in oceanography. Juniors and seniors.

## HUMAN BODY I

JMW - NO    Shea - YES    Tolman - NO

Code: 462

½ Credit

This course is designed to introduce students who are interested in biological and medical related fields to the major concepts relevant to those fields. Students will explore the various aspects of the human body and its major organs. Students will build upon their prior knowledge of biological systems and participate in laboratory activities.

## HUMAN ANATOMY

JMW - NO    Shea - YES    Tolman - YES

Code: 460

½ Credit

This course provides students with a comprehensive understanding of the functional anatomy of the human body at macroscopic level. Topics of study include the levels of organization in the human body and the body systems to include the skeletal, muscular, digestive, respiratory and cardiovascular systems. Laboratory work includes dissection of preserved specimens and microscopic study.

## HUMAN PHYSIOLOGY

COURSE OFFERED AT: JMW - NO    Shea - YES    Tolman - YES

Code: 461

½ Credit

This course provides students with a comprehensive understanding of the function of the human body. Topics of study include basic biochemistry, and the body systems of the integumentary, endocrine and nervous systems. Students will investigate disease pathologies affecting normal body function.

## ENVIRONMENTAL SCIENCE

COURSE OFFERED AT: JMW - YES    Shea - YES    Tolman - YES

Code: 463

1 Credit

This course provides students with the foundational understanding of the knowledge and skills to deal effectively with environmental problems such as global warming, acid rain, endangered species, and invasive plants and animals. Students learn a variety of basic laboratory and field techniques. Students also gain a broad awareness of environmental science and technological career opportunities. An emphasis is placed on the development of critical thinking and analytical skills to make a positive impact on the environment.

## ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

COURSE OFFERED AT: JMW - NO    Shea - NO    Tolman - YES

Code: 465

1 Credit

The AP Environmental Science course is designed to be the equivalent of a one-semester introductory college course in environmental science. The goal of APES is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **\*Students enrolled in this course are required to take the AP Exam.**

## METEOROLOGY

COURSE OFFERED AT: JMW - YES    Shea - NO    Tolman - YES

Code: 464

½ Credit

This course is a study of the Earth's weather systems with an emphasis on atmosphere, global wind belts and pressure systems, and precipitation. Topics that will be covered include: how we monitor the weather through local weather stations, radars, and satellites, how the interactions between temperature, air pressure, wind, humidity, and precipitation create our weather, and how to forecast the weather on a daily basis. Other topics include severe weather events, including tornadoes, hurricanes, thunderstorms/lightning, and weather human hazards like global climate change.

## GENETICS

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 467

½ Credit

This course provides students with a comprehensive understanding of the science of genetics. Topics include the genetic and molecular basis of heredity and inherited traits, basic and polygenic inheritance, and mutations. They gain insights into both the negative and positive effects of mutations as they investigate the genetic basis of cancer and inherited disorders and explore how mutations increase variation within a population by changing the allelic frequency. Throughout the course, students debate controversial topics in the field, such as stem cell research and genetically modified foods.

## FORENSIC SCIENCE

COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 483

1 Credit

Forensic Science is the application of science to criminal and civil laws. In this course students will study relevant scientific and technological principles and techniques used to solve crimes. Topics of study include trace evidence analysis, fingerprints, impression evidence, blood spatter analysis, forensic serology, forensic Pathology and forensic document examination. Throughout the course, students will engage in a wide variety of hands on laboratory activities, as they develop their problem solving and critical thinking skills. Forensic case studies of actual crimes will be reviewed and discussed. Students will use their new skills to work in teams to document, investigate, and analyze evidence to solve an end of course mock crime.

## ADVANCED FORENSIC SCIENCE

COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES**

Code: 484

1 Credit

This course mirrors the forensic science course, but includes more in-depth topics of investigation, including forensic entomology, DNA analysis, arson and explosives, drugs & forensic toxicology, forensic odontology, accident reconstruction and computer forensics. Throughout the course students will compile a personal evidence portfolio.

*\*Students who successfully complete Forensic Science & Advanced Forensics can earn undergraduate credit at Roger Williams University.*

# Junior ROTC

JROTC Located at Tolman High School but Shea High School students may attend the Program at Tolman through a transfer.

## JROTC - Leadership Education 1

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 550

1 Credit

LE1 is the introduction into the U.S. Marine Corps sponsored character and leadership development course primarily focused on teaching personal responsibility and teamwork. This elective will provide the student the basic introduction to JROTC where the cadet will learn to perform basic drill, proper uniform wear once per week and exercise twice per week.

## JROTC - Leadership Education 2

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 555

1 Credit

LE2 is open to students who have successfully passed LE1 and desire to expand his or her leadership abilities and general military knowledge. The Cadet will be taught leadership techniques and expected to lead LE1 cadets within the classroom and during off campus events. All LE2 students will be held to a higher standard during the weekly uniform inspections and bi-weekly physical exercise training.

## JROTC - Leadership Education 3

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 560

1 Credit

LE3 stresses the command responsibility of a cadet noncommissioned officer and provides advanced leadership training and exercise of command. Related units include techniques in developing teamwork, small unit leadership and military teaching techniques. Cadets will be required to lead and teach JROTC 2 Cadets. Successful completion of JROTC 1 AND 2 is required.

## JROTC - Leadership Education 4

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 561

1 Credit

This course entails the study of leadership strategies, citizenship, and career planning. This course has an emphasis on American and Marine Corps history in the 20th and 21st Centuries. The 4th year Cadet will gain practical leadership experience by leading first year cadets in physical training, drill and uniform inspections. The 4th year Cadet will also learn methods of instruction by teaching formal classes to first year cadets. Prerequisite: Marine JROTC III.

# Physical Education and Health Department

The Physical Education and Health Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **Rhode Island Standards for Physical Education**, the **Rhode Island Health Education Standards**, and the **RI Reading and Written and Oral Communication State standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

**PHYSICAL EDUCATION/HEALTH**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES****Code 880 (Freshman/Sophomore)****½ Credit**

The **Physical Education** curriculum focuses on the continuing total growth and development of the individual student. Students actively participate in a variety of practices, activities, and experiences to help achieve and maintain health-enhancing behaviors and to develop skills necessary to perform a variety of physical activities. It includes the development of personal health including physical fitness activities; lifetime sports, including individual, dual and team sports; and recreational and seasonal activities. Healthy competition, teamwork, healthy living, and physical conditioning are strongly emphasized.

**Health Education** is incorporated into the Physical Education program for all students in grades 11 and 12. The curriculum emphasizes the development of key skills including accessing information, community advocacy, and communication. Topics include injury prevention, personal risk assessment, nutrition, and mental and social health. The Health program strives to motivate students to practice health-enhancing behaviors, access information and services, set goals, and make informed decisions. This program also aims to help students understand the importance of health promotion as a foundation for a healthy life.

**PHYSICAL EDUCATION/HEALTH**COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES****Code: 881 (Junior / Senior)****½ Credit**

The **Physical Education** curriculum focuses on the continuing total growth and development of the individual student. Students actively participate in a variety of practices, activities, and experiences to help achieve and maintain health-enhancing behaviors and to develop skills necessary to perform a variety of physical activities. It includes the development of personal health including physical fitness activities; lifetime sports, including individual, dual and team sports; and recreational and seasonal activities. Healthy competition, teamwork, healthy living, and physical conditioning are strongly emphasized.

**Health Education** is incorporated into the Physical Education program for all students in grades 11 and 12. The curriculum emphasizes the development of key skills including accessing information, community advocacy, and communication. Topics include injury prevention, personal risk assessment, nutrition, and mental and social health. The Health program strives to motivate students to practice health-enhancing behaviors, access information and services, set goals, and make informed decisions. This program also aims to help students understand the importance of health promotion as a foundation for a healthy life.

**CONTEMPORARY TEEN ISSUES & WELLNESS**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES****Code: 714****½ Credit**

The goal of this course is to prepare the student, with expanded knowledge and skills, to understand themselves and their place in their communities. Topics include personal fitness, injury prevention, substance abuse, mental health issues, emotional health issues, decision-making skills, communication skills, and healthy relationships. In order to make healthy lifestyle choices that will support an individual's whole "well-being," the information in this class will encourage them to make positive changes in their emotional and physical health behaviors.

**FIRST AID CPR/CARING FOR ATHLETIC INJURIES**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 885****½ Credit**

This course is designed to incorporate elements of physical training, techniques to avoid injury and caring for injuries when they occur. The student experiences a variety of fitness training activities focusing on proper technique. They also have field experiences caring for and rehabilitating injuries. With an emphasis on hands-on learning, our Red Cross-based First Aid/CPR/AED course will give you the skills to save a life. Certification is issued upon successful completion. CPR: Learn how to respond to cardiac and breathing emergencies in adults. First Aid: Learn how to respond to common first aid emergencies, including burns; cuts; head, neck and back injuries and more.

**METHODS OF PERSONAL FITNESS INSTRUCTION I**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 886****½ Credit**

The purpose of this course is to provide students with opportunities to develop an individual optimal level of physical fitness while acquiring knowledge of physical fitness concepts and understanding the significance of lifestyle on one's health and fitness. The content will include, but not limited to, knowledge of the importance of physical fitness, assessment of the health related components of physical fitness, knowledge of health problems associated with inadequate fitness levels, knowledge and application of biomechanical and physiological principles to improve and maintain the health related components of physical fitness, knowledge of safety practices associated with physical fitness including stress management, knowledge of sound nutritional practices related to physical fitness and knowledge of consumer issues related to physical fitness, technology applications, fitness program design, health problems associated with inadequate fitness levels, benefits derived from participation in physical activity.

**NURSING/CNA**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES****Code: 892****½ Credit**

This course is offered to students interested in becoming a nurse, nursing assistant, or working in the healthcare industry. The student experiences a variety of fitness training activities focusing on improving personal fitness levels focusing on the job requirements of individuals in the healthcare industry. Class work include hands on practice regarding patient needs, care and safety, taking vital signs, demonstrating and practicing rehabilitation. Students will learn medical terminology and participate in elements to prep for CNA certification. The student will participate in Red Cross- First Aid/CPR/AED course with an opportunity for certification.

**CARE & PREVENTION OF ATHLETIC INJURIES**COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES****Code: 894****½ Credit**

This course is designed to incorporate elements of physical training, techniques to avoid injury and caring for injuries when they occur. The student experiences a variety of fitness training activities focusing on proper technique and improving personal fitness levels. The student will explore the basics of skeletal and muscular anatomy and physiology. The student will have hands on experiences caring for and rehabilitating athletic injuries. The student will participate in Red Cross- First Aid/CPR/AED course with an opportunity for certification.

## FITNESS AND NUTRITION

COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 896

½ Credit

The goal of this course is to prepare the student with the knowledge and skills of fitness training and nutritional facts that will help them as they transition to adult life. Fitness topics will include experiences in personal fitness training, like running, plyometrics and weight training. Nutritional topics will include, but not limited to diets, nutritional supplements and proper hydration.

## RESPONDING TO EMERGENCIES

COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES**

Code: 898

½ Credit

This course takes an in depth look at first response to emergencies. Students participate in career exploration of police, fire and rescue personnel. Students will explore the topics of emergency preparation, such as extreme heat, extreme cold and other natural disasters. The student experiences a variety of fitness training activities focusing on improving personal fitness levels focusing on the job requirements of individuals in the first responder industry. Classroom topics include, but are not limited to Red Cross-First Aid/CPR/AED with an opportunity of certification, NIMS and water safety. This course is recommended for those interested in a career in the healthcare industry or emergency response.

# Business Department

The Business Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **National Business Education Standards** and the **RI State standards for Reading, Written and Oral Communication, and Mathematics**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

## FINANCIAL LITERACY

COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 600

½ Credit

Financial literacy is the ability to use knowledge and skills to manage one's financial resources effectively for lifetime financial security. In this course, the student finds, evaluates, and applies financial information; sets and achieves financial goals; develops income earning and saving potential; uses financial services; meets financial obligations; and builds and protects wealth. *\*Qualifies as a mathematics related course*

## ACCOUNTING I (EEP)

COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES**

Code: 601

1 Credit

Accounting I is an introduction to basic accounting systems, concepts, methods and applications of GAAP (Generally Accepted Accounting Principles). The course covers the identification, measurement, summarization, and reporting of financial events and their effect on the business enterprise. A general knowledge of accounting will provide students with the background necessary to study finance, management, marketing, financial markets, both profit and non-profit organizations, as well as other related fields.

*\*Qualifies as a mathematics related course*

*This Early Enrollment Program (EEP) course is offered in cooperation with RI College.*

## ACCOUNTING II

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 602

1 Credit

Students apply the accounting standards learned in Introduction to Accounting to complete the accounting cycle of a merchandising corporation as well as accounting for a partnership. Accounting II reflects the importance of being able to understand, interpret, and use accounting information to make financial decisions. Students learn about planning and controlling principles used to evaluate the performance of an organization and apply differential analysis and present-value concepts to make decisions. In addition, students develop a working knowledge of employer payroll tax procedures and requirements to comply with tax laws and regulations. During the course, students complete an accounting simulation to reinforce and demonstrate their accounting knowledge.

*\*Prerequisite: Introduction to Accounting*

## INTRO TO ACCOUNTING

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 603

1 Credit

This course introduces students to the accounting cycle from the original business transaction to closing books at year-end, including the preparation and interpretation of financial statements. Students are introduced to partnership and corporate accounting. They prepare, interpret and analyze financial statements using manual systems for merchandising a business organized as a partnership. This course is beneficial for the future accountant and for careers in many related business fields.

## BUSINESS MANAGEMENT

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 630

½ Credit

This course introduces students to principles of management, emphasizing various leadership styles. Topics include organizational structures, managerial decision-making, business ethics, labor and government regulations, and human resources management.

**BUSINESS MANAGEMENT (EEP)**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 631

1 Credit

Business Management approaches business operations from the entrepreneurial and management perspective. This class provides business management concepts and principles in a realistic, investigative, and enriching manner. Functions of business management are covered extensively, including the use of technology and communications as tools of business. Students will enjoy exploring the global dimension of business and possible career opportunities as this class brings the world of business to them. **\*This Early Enrollment Program (EEP) course is offered in cooperation with RI College.**

**MARKETING (Digital, Sports, Entertainment, and Fashion)**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 635

1 Credit

Marketing takes students on a step-by-step journey through the world of marketing and digital marketing. Students encounter and learn about the key functions of marketing and how those functions are applied in the retail, sports, entertainment and fashion industries. This course provides students with the principles and concepts identified with marketing, and to develop critical thinking and decision-making skills through the application in these fast paced and expanding industries. In addition, this course will give students a general background in digital marketing.

**STOCK MARKET**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 687

½ Credit

With an increasing complexity, financial markets exert a powerful presence in our lives and are central to the functioning of our economy. What role does the stock market play and how does it function? What factors govern stock market behavior and lead to market booms and busts? How is the price of a company's stock determined and how does it affect individual investors? This challenging course introduces the basic financial principles necessary to understand the role of the stock market in our economy and in our personal lives.

Participants assume the role of money managers in order to gain an understanding of financial markets as they manage their own portfolio of stocks in a session-long stock market simulation game. Stock options and future contracts are added to the portfolio as the managers gain market expertise. Financial theories presented in class lectures, news of current and world events, and analysis of company reports are incorporated as the new money managers develop strategies to test their understanding of the market for stocks. **\*Prerequisite: Financial Literacy Course**

**ENTREPRENEURSHIP**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 689

1 Credit

Entrepreneurs are people who attempt to earn money and make profits by taking the risk of owning and operating a business. If you have ever provided a babysitting service or cut someone's lawn, you have already been an entrepreneur! Entrepreneurship introduces students to the skills needed to own/operate a business venture. The curriculum includes entrepreneurial learning experiences developed in conjunction with Johnson and Wales University and guidelines incorporated from the National Foundation for Teaching Entrepreneurship (NFTE) career training program. The goal of this course is to present students with a variety of employment options, stimulate imagination, and ultimately prepare students to be creative thinkers in their future careers.

*Students in the Fashion Merchandising Academy must take either Marketing or Entrepreneurship*

**ECONOMICS**

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 690

1 Credit

This course emphasizes analysis of the American economic system as it relates to the individual and other economic systems. Specific units will cover microeconomic issues such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic issues will include money and banking, monetary and fiscal policy, international trade and comparative economic systems. We will be touching on the history of economic thought as well as current economic issues.

**BANKING AND CREDIT**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 691

½ Credit

This course presents a survey of the principles and practices of banking and credit in the United States. Students learn about the major functions of banks and other depository institutions, in-house operations and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. The credit component provides an overview of credit functions and operations, including credit risk evaluation, loan creation and debt collection. **\*Qualifies as a mathematics related.**

**FINANCIAL PLANNING**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 692

½ Credit

A financial plan is a comprehensive evaluation of an individual's current pay and future financial state by using current known variables to predict future income, asset values and withdrawal plans. Topics include the cost of credit, time value of money, investments, asset allocation, retirement planning and risk management.

Required course for Finance Academy. **\*Qualifies as a mathematics related course**

**FINANCE INTERNSHIP**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 695

1 Credit

This is the final step to complete the requirements of the Finance Academy. Students will hone their skills in career planning and preparation, resume writing and job search, workplace practices and etiquette. Students will apply and interview for internships, according to the RI Internship guidelines, at local businesses and firms. A highlighted aspect of the class will focus on the knowledge and skills required to pass the EVERFI Financial Literacy and the related NOCTI exam to gain an industry related certifications upon successful completion. **\*Qualifies as a mathematics related course**

**MARKETING AND MANAGEMENT ACADEMY INTERNSHIP**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 698

1 Credit

You're hired! Marketing and Management Academy Internship gives students a solid grasp of how to prepare for work and life through career planning, money management, and independent-living techniques. Students will be introduced to some of today's hottest careers in the business field, taught easy-to-remember rules for improving study skills, and they will place a strong emphasis on critical SCANS workplace skills. Special focus will be provided with the tools needed to excel and succeed in both academic and professional business careers. Students will also be given the opportunities for job shadowing and job experience through internships within local businesses in the marketing and management field. Students may earn EVERFI Financial Literacy, National Retail Federation Customer Service and Sales, Quickbooks, and NOCTI General Management Certifications.

## Family and Consumer Science Department

The Family and Consumer Science Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the e RI **State and National Standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

**HEALTHY FOOD CHOICES**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 712

½ Credit

Discover why making healthy food choices is so important for teenagers. Explore healthy alternatives to some of your favorite foods. Get tips on nutrition, advice on food fads, weight worries, and how to make healthier food choices. Among topics that will be explored are current topics in nutrition, basic cooking techniques, kitchen safety and sanitation. Students will be able to earn nationally recognized food safety certification from SERVSAFE.

**FOODS OF THE WORLD**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 715

½ Credit

Bon Appetite! Students explore international cuisine, culture, and cooking techniques. This course focuses on specific cooking styles and dishes of diverse cultures.

**INTRODUCTION TO FASHION DESIGN**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 719

½ Credit

Elements and principles of design as it applies to textiles and apparel. Overview of historical design movements, designers, and design vocabulary.

**INTRODUCTION TO TEXTILES AND APPAREL**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 725

½ Credit

This course provides a broad spectrum of education in textiles. Students explore the textile arts through varied projects while developing hand and machine sewing skills. Knowledge of fabrics, care and proper use of equipment, and various career opportunities are emphasized. This course prepares the student for design application in Apparel Construction.

## Music

The Music Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **RI State standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

**MUSIC APPRECIATION**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 840

½ Credit

This course is offered to musicians and non-musicians alike, as it is not performance based. Students become more informed listeners through the study of music history, musical instruments, technique and styles. A great deal of this class focuses on listening and responding to music of various instrumentation and from various cultures. Students research composers, investigate the sounds around them and learn about acoustics and concert etiquette.

**CHORUS**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 841

1 Credit

This is a performance-based course, which offers students an opportunity to learn proper vocal technique and perform a wide array of music from both classical and popular genres. Performances may include but are not limited to seasonal concerts, school and community events.

**SONGWRITING & MUSIC PRODUCTION**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - NO

Code: 940

½ Credit

Music creators today are increasingly expected to have versatile skills set that combines songwriting and music production. This course is designed to give you an introduction to thrive in this multi-dimensional environment by strengthening your songwriting skills while also developing your ability to record and mix professional-sounding

music using Pro Tools. Students will explore the role of the producer, how to get the best sounds from your DAW, and techniques for recording vocals and producing the voice, with an emphasis on capturing the proper emotion of a performance as the art of mixing to enhance the quality of recordings. No prior experience writing songs is required. \*Prerequisite: Music Appreciation or permission for the instructor.

## SURVEY OF MUSIC (EEP)

COURSE OFFERED AT: JMW - NO Shea - YES Tolman - NO

Code: 844

1 Credit

This course is designed to develop the student's listening abilities and to heighten their interest in music. The goals of the course are to involve the student as an active listener-participant. Lectures, demonstrations, listening and discussions of music elements, forms and stylistic periods in music will occur. Facts and musical thinking are required, but the purpose is to stimulate the student's curiosity, enthusiasm and to develop the love of music. There is a large focus on in-depth readings and writing. This course is ideal for the rising Junior or Senior who is interested in receiving college credit in the arts.

\*For Shea students, this course may be taken in the Early Enrolment Program (EEP) offered through Rhode Island College for college credit upon approval.

## CHORUS II

COURSE OFFERED AT: JMW - NO Shea - NO Tolman - YES

Code: 845

1 Credit

Offered to students in grades 11 and 12. This performance-based course delves deeper into the art of choral singing. Students will build upon their experience from Chorus I in order to prepare and perform a more challenging selection of vocal music from various genres. Performances may include but not limited to seasonal concerts, school and community events. This course may be repeated. \* Prerequisite: Chorus I or permission of the instructor.

## PIANO I

COURSE OFFERED AT: JMW - YES Shea - YES Tolman - NO

Code: 850

½ Credit

Students learn basic keyboard skills, including note reading and chords for the piano. A variety of music, including solo, duet, trio and quartet work is available in all styles. Performance opportunities include school concerts, informal performances for the class, and performances for the teacher. *No prior experience is necessary*

## PIANO II

COURSE OFFERED AT: JMW - NO Shea - YES Tolman - NO

Code: 851

½ Credit

Students continue their development of sight reading skills begun in introductory piano. They work with a greater variety and more advanced chords and techniques. Supplemental solo and ensemble materials are provided. Performance is an important part at this level and multiple opportunities are provided.

*Prerequisite: Introductory Piano or permission of the instructor*

## GUITAR I

COURSE OFFERED AT: JMW - YES Shea - NO Tolman - YES

Code: 852

½ Credit

This is an introductory course offered to students with a desire to learn basic guitar skills. Students learn various techniques of guitar playing in both traditional and modern styles through solo literature, etudes, and ensemble playing. Students also study the history of the instrument, its performers, pioneers and literature.

## GUITAR ENSEMBLE

COURSE OFFERED AT: JMW - NO Shea - NO Tolman - YES

Code: 853

½ Credit

This course is for students who have successfully completed Guitar I, or an audition to determine skill level. Guitar Ensemble students will build upon the skills learned in Guitar I and study more intensely both classical and popular guitar styles while focusing on pieces arranged for multiple guitars. Because different skills and pieces will be studied each semester, this course may be repeated for credit\***Prerequisite: Guitar I or permission of the instructor**

## BAND

COURSE OFFERED AT: JMW - NO Shea - NO Tolman - YES

Code: 854

1 Credit

This course offers students who already know how to play an instrument an opportunity to rehearse and perform in a group. The Band will perform at school concerts and community events such as Veterans Day, Winter Wonderland, The May Arts Festival, and Graduation. Students must have experience reading music and playing an instrument and complete an audition with the instructor. This course may be taken for more than one semester. \***Prerequisite: Permission of the instructor**

## PERFORMANCE ENSEMBLE

COURSE OFFERED AT: JMW - YES Shea - NO Tolman - NO

Code: 855

½ Credit

This course offers students, who already play an instrument and/or are vocalist, an opportunity to rehearse and perform in a group. The physical makeup of the group is determined by the musicians available and interested during each semester. Students will build the repertoire based on the group make-up. Possible genres will include, but not be limited to jazz, R&B, musicals, show tunes, and contemporary music. Students may also have the opportunity to expand their knowledge on composing/arranging and playing the piano and guitar. Students must have experience reading music, singing, and playing an instrument and complete an audition with the instructor. Students will be required to perform at various after school events throughout the year.

## AP MUSIC THEORY

COURSE OFFERED AT: JMW - YES Shea - NO Tolman - NO

Code: 864

1 Credit

This course expands on the skills learned in the 9-11 Music Program. The course is designed to develop musical skills that will lead to a thorough understanding of music

composition and music theory. Students are prepared to take the AP Music Theory Exam when they have completed the course. Students planning to major in music in college may be able to enroll in an advanced music theory course, depending on an individual colleges' AP policies.

### MUSIC 9

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 945

1 Credit

This class is designed to emerge students into the fundamentals of music. Students will study music notation, major scales and triads, and diatonic intervals. Students will also learn how to sight read in unison and parts using solfege syllables and will be able to aurally identify and dictate rudimentary melodies and rhythms. All students, regardless of instrument, will be required to play piano and develop vocal technique. Piano development will be based on individual skill with the overall completion of a beginner adult series piano book and gain enough technical skills to perform on the piano by graduation. Guitar instruction will include basic open chords and boxed scale patterns. Vocal technique will include choral ensemble using standard vocal repertoire. Outside of school, students are required to study privately on their particular instrument/voice with a reputable instructor. Students will give formal and informal performances in and outside the classroom and are expected to give constructive criticism to their peers as well as reflective responses for their portfolio. The emphasis of study for the first year will be based on the student's interest in contemporary music with the understanding that by the end of the first year the student will begin developing repertoire based on the teacher's recommendation.

### MUSIC 10

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 946

1 Credit

Continuation of 9th grade music course study. Music literature to include minor scales, chord inversions, 7th chords, study of church modes and basic harmonic analysis. Students' sight singing and dictation will be dependent on the study of coursework. Independent study of piano and skills will continue on a once a week basis with emphasis on home practice. Vocal technique will continue with the use of standard repertoire at a level of grade 2-3. Students' development of instrumental/voice will consist of continued formal and informal performances with an emphasis on at least two major works. One piece from the 20th century and the other by an earlier composer.

### MUSIC 11

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 947

1 Credit

Continuation of 10th grade music course study. Music literature to include basic three and four part voice leading, figured bass and harmonic analysis. Students' sight singing and dictation will be dependent on the study of coursework and will include minor tonalities. Continued studies on piano and guitar technique, at this point students should be able to use one of the instruments to perform basic chord progression developed from their music literature. Vocal technique will include standard repertoire at a level of 3-4, based on student enrollment. Students should start developing a performance repertoire for college auditions. Vocalist should have prepared an English, Italian, French, Spanish, and/or German Art song from 15th century to present time. Instrumental should also have at least two major pieces with multiple movements from the same time period. Students will also use The Concise History of Western Music to study ancient times to early Baroque, one major research paper is required.

## Technology Education

The Technology Education Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **RI State and National Standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

### STEM DESIGN LAB

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 640

½ Credit

Take the simplest task and design the most complex system to accomplish it! This course provides a unique opportunity for using hands-on learning activities in a fun and engaging way to promote awareness of engineering and an understanding of teamwork and the engineering design process. Students will have the opportunity to work with class teams and virtual teams to develop skills needed for high tech 21<sup>st</sup> century careers.

9<sup>th</sup> and 10<sup>th</sup> grades

### COMPUTER APPLICATIONS I

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 641

½ Credit

This computer literacy course introduces students to the basics of word processing, spreadsheets; database applications, and multimedia presentations using Microsoft Office and Google Applications. Students develop an understanding of computer concepts, components and operations through project-based activities.

### DIGITAL MEDIA AND DESIGN

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 643

½ Credit

Dare to go beyond the ordinary? Then prepare to unleash your imagination as it relates to digital media and the real world. Students will design magazines, menus, advertisements, brochures, booklets, newsletters, posters, business letterhead, business cards, and much more. Students will use software such as Google sites and other Google applications.

### WEB DESIGN I

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 644

½ Credit

Through a hands-on approach, students study fundamental concepts and terminology of web page design, elements of effective web design, ecommerce web design, ecommerce web sites, picture hyperlinks, and actual website production using various types of software and web design principles. Students survey the web to study the role of web sites in business and society, in information transmission, and in how web pages relate to various audiences today. Students prepare sample and personal web pages

as they learn the various elements of web design by using HTML code. Students search the Internet to compare the features and costs of various host sites that allow them to display web pages that they might create outside of class.

**\*Prerequisite: Digital Media and Design**

## WEB DESIGN II

COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 645

½ Credit

Web Design 2 continues the HTML code writing process along with the addition of XML and CSS. The newest language technique developing on the Web is the extensible Markup Language (XML). This course introduces fundamentals of XML languages to define and validate data, use schemas, transformations, linking, and Cascading Sheet Styles (CSS). XML and CSS allow students to create web pages that are more creative and realistic than stand-alone HTML web pages. This course presents Website development techniques using these current Web site editing languages. Students build and publish Web sites containing text, graphics, tables, forms, frames, scripting and site navigation. Students in this class also assist with the school's website.

**\*Prerequisite: Introduction to Web Design**

## INTRO TO COMPUTER SCIENCE CS4RI

COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES**

Code: 646

½ Credit

This course introduces basic computational thinking skills, including an introduction to computer programming. Students will complete several projects, relating to the applications of computers in today's society. No prior computer science experience is required. **\*This is a new course offering partnered with URI**

## INTRODUCTION TO COMPUTING & DATA SCIENCE

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 648

Credit: 1/2

Introduction to Computing & Data Science is a half year introduction to basic computational thinking skills completed through computer programming, Google suite applications and data study. Students will complete several projects including creating a data story and several programs. No prior computer science experience is required. Students will earn 4 credits from URI through concurrent enrollment and successful completion of the course. This course is part of CS4RI.

**Prerequisites: Students MUST be at least a sophomore to enroll in this course. \*\*This is now a requirement from URI so that students may earn URI credits**

## AP COMPUTER SCIENCE PRINCIPLES

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 647

Credit: 1

AP Computer Science Principles is a full year introduction to computer science for a diverse group of students with different learning styles with a required advanced placement exam at the end of the year. It includes topics such as cryptography, data analysis, creation of technological artifacts (i.e., videos, audio files, spreadsheets), algorithms, and programming. It also takes a look at the impact of advancements in technology on society. This course is a wonderful way to prepare for college courses in computer science or computer programming. Students will earn 4 credits from URI through concurrent enrollment and successful completion of the course. This course is part of CS4RI.

**Prerequisites: Students must have successfully completed Algebra 1. It is preferred but not required that students have taken an introductory course in computer science. \*\*Students enrolled in this course are expected to register and sit for the AP exam.**

## COMPUTER SCIENCE WORK-BASED LEARNING

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO**

Code: 649

Credit: .5

Computer Science Work-Based Learning is a course designed for students to complete the 80 hours of work-based learning needed to earn CTE credit for their diploma. This is a companion course to the Introduction to Computing & Data Science course for all those students who are part of the Informational Technology Academy here at Shea High School. Students will work with industry professionals to plan, develop and market an app or website.

Prerequisites: Students must have been enrolled and been successful in the first semester Introduction to Computing & Data Science course.

**\*\* This course depends upon Shea High School's acceptance into the Rhode Island Department of Education's pilot grant for Computer Science Programming \*\***

## CYBER SECURITY FUNDAMENTALS

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 660

Credit: 1

Cyber Security Fundamentals is a full year introduction to the technical background required to provide solutions to many cyber security problems. This background includes: binary/hex number systems, operating systems concepts, file systems, OSI model, network topologies and protocols. The material will be presented in the context of its necessity for providing cyber security solutions. Students will earn 4 credits from URI through concurrent enrollment and successful completion of the course. This course is part of CS4RI. Students will have worked through ¾ of the material required to take the A + certification exam.

**Prerequisites: Students must have successfully completed Algebra 1, Geometry and AP Computer Science Principles.**

**INTRODUCTION TO PROGRAMMING**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 661

Credit: 1

Introduction to Programming is a full year course that teaches students how to program in the languages of Python and JavaScript. The largest focus will be on the basics of programming, conditionals, functions and if/else statements in both languages. This course is meant as an intermediate step between Introduction to Computing and Data Science and AP Computer Science Principles for those that require more programming before entering the AP course. Both languages are used in future courses in the Computer Science Academy.

**Prerequisites:** *Students must have successfully completed Algebra 1 and Introduction to Computing and Data Science.*

**AP COMPUTER SCIENCE A**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 662

Credit: 1

AP Computer Science A is a full year introduction to Java programming for a diverse group of students with different learning styles with a required advanced placement exam at the end of the year. It includes topics such as analysis, writing and testing code through concepts like modularity, variables, and control structures. Students will earn 4 credits from URI through concurrent enrollment and successful completion of the course. This course is part of CS4RI.

**Prerequisites:** *Students must have successfully completed Algebra 1 and Geometry. It is required that students have taken AP Computer Science Principles A.*

**\*\*Students enrolled in this course are expected to register and sit for the AP exam.**

**INTRODUCTION TO ROBOTICS**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 756

½ credit

*Introduction to Robotics* is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots, and 3D design to a lesser degree. STEMlab is a prerequisite; all students must take STEM lab prior to taking Introduction to Robotics. Course information will be tied to lab experiments; students will work in groups to build and test increasingly more complex mobile robots culminating in an end-of-semester robot contest. Students will be using the *Lego Mindstorm*, *VEX* and/or *Fischertechnik Robotic Design/Build Systems*. Students will be divided into groups and complete a variety of robot construction and programming activities within the confines of these groups. **\*Prerequisite:** STEM DESIGN LAB

**ADVANCED ROBOTICS**

COURSE OFFERED AT:

JMW - NO

Shea - NO

Tolman - YES

Code: 757

½ Credit

Robotics Engineering uses robotics to teach basic engineering concepts. The course provides students with a fun and exciting way to learn about Science, Technology, Engineering & Math (STEM) subjects. Students enrolled in the Robotics Engineering course will unlock the power of their imagination by designing and constructing radio-controlled robotic devices that can lift, throw, climb, gather and expand the boundaries of experimental intelligence. By working together to create robots that perform dynamic challenges, students also gain valuable 21st century skills, including teamwork, problem solving, project management and communication.

**ENGINEERING DESIGN**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 761

1 Credit

This is an overview course of the fields of Design Engineering and Architecture, while emphasizing the dependence in this field of engineering of CAD (Autodesk Inventor and/or Solidworks). Computer Aided Design I & II will be taught in this course and certification will be offered to students who take and successfully complete the required industry examinations at a certified location. Formerly titled Civil Engineering.

**Prerequisite:** *Stem Design Lab and Robotics.*

**WIND ENERGY AND TURBINE TECHNOLOGY**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 702

1 Credit

Wind Energy and Turbine design and build is used to teach engineering principles and familiarize students with careers in engineering and Wind energy. Collaboration and project-based learning are important elements of the program. Working in teams, students design and build wind turbines and associated wind generation equipment. Along the way, they gain a better understanding of everything from engineering notation to kinematics, and engineering and critical thinking skills. Students will participate in turbine construction competitions and be eligible for technical certifications through a partnership with WindWin RI.

**\*Prerequisite:** *Stem Design Lab and Robotics.*

**PRE-ENGINEERING INTERNSHIP PROGRAM**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 749

1 Credit

This course is an integral part of the Pre-Engineering Academy. Career pathways and research into the various employment opportunities in the related fields are emphasized and students gain "real-world" job skills crucial to success in the workplace and college/university studies. Students must be accepted by the Pre-engineering Internship Program. Internships are paid and non-paid assignments. Internships are available in the various manufacturing, constructional and engineering companies and businesses throughout Rhode Island and neighboring communities with special emphasis in Wind Energy. These internships allow students to gain experience in their field, enhance their resume, and improve their college application.

**\*Required course for students in the Pre-Engineering Academy Juniors and Seniors only**

# Visual and Performing Arts

The Visual and Performing Arts Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **RI Arts State standards for the Visual and Performing Arts and Design** and the **RI Reading and Written and Oral Communication State standards**. Students demonstrate mastery of these standards through the **RI Applied Learning Skills**, which include critical thinking, problem solving, research, communication, and reflection and evaluation. The department's goal is to provide all students with the opportunity to reach proficiency.

## ART 9: METHODS AND MATERIALS

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 800  
½ Credit

This course is designed as a foundation for all other visual art courses. Students are introduced to a variety of art making processes and materials, with an emphasis on developing skills in two-and three-dimensional design.

## CERAMICS I

COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 846  
½ Credit

This course offers the student a basic understanding of hand-building techniques in clay. Fundamental glazing and surface decoration techniques are demonstrated and applied to both sculptural and functional forms.

## CERAMICS II (Formerly Advanced Ceramics)

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 847  
½ Credit

This course is a continuation of Ceramics I. Alternative methods of glazing and firing practiced in other cultures will be introduced and applied to both sculptural and functional forms. \*Prerequisite: Ceramics I

## FUNDAMENTALS OF 2D AND 3D DESIGN

COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - YES**

Code: 806  
½ Credit

This course emphasizes the design process from start to finish, taking an idea from a rough sketch all the way to a fully designed 3D form. Students produce creative abstract forms as well functional objects.

## ART 10: COLOR AND ANATOMY

COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 808  
1 Credit

Color and Anatomy will teach sophomore students to paint and create a foundation of knowledge of the human figure which will be elaborated upon in the junior year. The first half of the year will be devoted to color theory and painting in acrylics and watercolor. Still-life and master copies will be the subject as students learn to mix color, apply paint, and understand value. Students will learn investigative drawing by examining bones and learning human anatomy through lectures and study of the human skeleton. The second semester will be devoted to portraiture. This intense exploration is designed to get students over "face fear" and will involve drawn, painted and sculpted heads.

## AS STUDIO ART

COURSE OFFERED AT: **JMW - NO** **Shea - NO** **Tolman - YES**

Code: 813  
1 Credit

This course is offered to students who are interested in pursuing a rigorous course of study in the visual arts. Students will work in a variety of media while developing their ability to visually communicate advanced ideas and concepts. Emphasis will be placed on building skills necessary in demonstrating a strong, personal artistic voice. Students interested in developing a portfolio with college acceptance as a goal are strongly encouraged to enroll.

\*Prerequisite: Successful completion of Arts Methods, 2D 3D Design or Drawing or permission of the instructor.

## AP STUDIO ART

COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - YES**

Code: 814  
1 Credit

This course is offered to students who are interested in developing a portfolio aligned with the College Board AP syllabus with the goal of presenting for college placement. Students will work either 2 dimensionally or 3 dimensionally to develop an individual language for visual communication as well as a more focused understanding of specific methods and materials in the visual arts. Students will complete at least two major projects per quarter culminating in a portfolio of work demonstrating their personal artistic vision. Students with an interest in a career in the visual arts are strongly encouraged to enroll.

\*Prerequisite: Successful completion of Arts Methods, 2D 3D Design or Drawing or permission of the instructor.

## DIGITAL PHOTOGRAPHY I

COURSE OFFERED AT: **JMW - YES** **Shea - YES** **Tolman - YES**

Code: 810  
½ Credit

This course introduces students to the basics of digital photography hardware including camera operation, photographic composition principles, and beginning computer interface. Students explore image editing software applications. Emphasis is placed on the tools and techniques of the professional photographer.

<p><b>DIGITAL PHOTOGRAPHY II</b>  <b>Code: 811</b>  <b>½ Credit</b>  This course builds on the knowledge and skills acquired in Digital Photography I by applying previous learned methods toward more advanced application of the tools and techniques of the professional photographer. Emphasis will be placed on creating works of art transforming elements in photos. *Prerequisite- Successful completion of Digital Photography I.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - YES	Tolman - YES
<p><b>DRAWING I</b>  <b>Code: 815</b>  <b>½ Credit</b>  This course introduces students to various drawing techniques and materials. Emphasis is on basic skills such as composition, value, and line. Media, such as pencil, charcoal, pen and ink, and pastel are used while working on a variety of subject matter.</p>	<p>COURSE OFFERED AT:</p>	JMW - NO	Shea - YES	Tolman - YES
<p><b>DRAWING II</b>  <b>Code: 816</b>  <b>½ Credit</b>  In Drawing II, students build on knowledge and skills acquired in the introductory drawing course. Students work from direct observation as well as invented images while incorporating advanced design principles such as figure/ground relationships. References to historic and contemporary drawing are integrated in all tasks.  <i>*Prerequisites: Introduction to Drawing or permission of the instructor</i></p>	<p>COURSE OFFERED AT:</p>	JMW - NO	Shea - YES	Tolman - NO
<p><b>PAINTING AND DESIGN</b>  <b>Code: 817</b>  <b>½ Credit</b>  In this course students learn basic studio techniques in painting such as pictorial composition and color theory. While working with a range of subject matter, students use several media including tempera, acrylic, and watercolor. Each student is encouraged to develop their own visual vocabulary while studying the styles and techniques of the masters.  <i>*Prerequisite: Introduction to Art I, Art II, Drawing or permission of the instructor</i></p>	<p>COURSE OFFERED AT:</p>	JMW - NO	Shea - YES	Tolman - YES
<p><b>COMIC ILLUSTRATION</b>  <b>Code: 818</b>  <b>½ Credit</b>  This is a course about visual storytelling through sequential panels (comics), and animation. No expertise in drawing is required. This course is open to all students. This course will look at the work of professional illustrators and animators, covering a variety of story genres. Techniques for story-boarding and non-linear story creation will be covered so students can access their original voice. Techniques for inking, adding text in illustrator, and the basics of Adobe Premiere editing software will be taught.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>ART 11; LANDSCAPE/INTERIORS AND FIGURE</b>  <b>Code: 917</b>  <b>1 Credit</b>  Students will start the year taking advantage of the warm weather to try open-air painting, exploring the traditions of the impressionists. Students will learn to edit the immense detail and complexity of the outdoors to the essentials for communicating their personal experiences. Students will go on to learn the rules of perspective and depict complex architecture and interior spaces. Midyear we will connect the anatomy learned in the sophomore year to the actual body. By the end of the section, students will be able to draw a believable figure in any position from their imagination or from life. The class will culminate in large scale painting where students will place the figure in an environment (interior or exterior).</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>INDEPENDENT ART STUDIO</b>  <b>Code: 820</b>  <b>½ Credit</b>  In Independent Art Studio, a student must select one area of concentration from those offered in the department. Working with a mentor teacher, the student writes and submits a proposal for advanced work in their chosen area of study. Student develops a portfolio of their work for final assessment and/or for college admission. This course is highly recommended for students interested in pursuing a career in the visual arts. Standards: VAD 1, 2, 3, 4  <i>Prerequisite: Juniors and seniors only who have already demonstrated proficiency in visual arts and are looking for an opportunity to continue with a rigorous course of study or permission of the instructor</i></p>	<p>COURSE OFFERED AT:</p>	JMW - NO	Shea - YES	Tolman - NO
<p><b>THEATER 9: INTRODUCTION TO THEATER ACTING</b>  <b>Code: 821</b>  <b>1 Credit</b>  This class focuses on the elements which are the foundations of acting. Its emphasis is on the actor's instrument: body, voice, intellect, and the resources in creating the role. These are explored through a series of acting exercises involving concentration, energy, sensory awareness, rhythm and imagination. The class includes discussion of theory and practice and an introduction to physical and vocal warm-ups, and basic scene work.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>ART HISTORY I</b>  <b>Code: 823</b>  <b>½ Credit</b>  In this course students will study western art history from the prehistoric cave paintings to Roman art. The class will alternate between a traditional lecture/test format and</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO

creative projects to gain a deeper understanding of the artwork in context. Students will learn how to speak and write about art history through the creation of research based presentations and papers.

## ART HISTORY II

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 824

½ Credit

In this course students will study western art history from early Christian to modern art. The class will alternate between a traditional lecture/test format and creative projects to gain a deeper understanding of the artwork in context. Students will learn how to speak and write about art history through the creation of research based presentations and papers.

## THE MOVING BODY

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 826

½ Credit

The moving body is a basic survey course in dance, open to all students. Students will learn about and experiment with moving through space while exploring various dance techniques including modern, jazz, ballet, and improvisation as well as movement somatic studies such as Yoga and Pilates. The goal is to create a comfort and awareness of the body as an instrument.

## EVENT DESIGN

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 833

½ Credit

In partnership with Ten31 Productions, students in this course will collaboratively plan, design, and promote a local haunted house. Students will also create the script, design scenery, props, and costumes, and provide audio, visual, and lighting effects to influence the overall atmosphere of the event. In addition, students will utilize math skills to create a scaled model floor concept, allocate a budget for production, and construct a marketing plan.

## EVENT PRODUCTION

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 834

½ Credit

In partnership with Ten31 Productions, students in this course will create and produce a peer-developed plan for a local haunted house. Students will promote the event through a variety of media outlets, produce scenery, props, and costumes, and organize timelines and assignments for cast and crew. In addition, students will maintain records to insure the budget is maintained, evaluate the response of the event by collecting data, and create tables and graphs to display that data.

## ART 9: MATERIALS AND TECHNIQUES

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 837

1 Credit

Materials and Techniques is a yearlong studio arts class designed to impart a foundation of skills and vocabulary which students will build on their entire career at JMW. We will focus on observational drawing of still-life objects. Still-life subjects will increase in difficulty as skills to express proportion, perspective, light and shade, and composition are mastered. Students will learn processes for positive block printing and intaglio printing as well as techniques for carved and modeled sculpture. Talking and writing about art will be required in critiques of student and professional work. All students will be provided with a sketchbook that will be collected every three weeks for a grade. The sketchbook is a place for exploration, spontaneity, and experimentation. Individual feedback will be given on each sketchbook entry

## INTRODUCTION TO PLAYWRITING

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 838

½ Credit

This class introduces students to the concepts of dramatic writing, with emphasis on character and structure. Students will develop original plays that will be presented as staged readings.

## DANCE TECHNIQUE I (FRESHMEN)

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 955

1 Credit

Students will work on the genres of ballet and modern dance at the beginner level. They will learn basic vocabulary while working on musicality, strength building, proper dance alignment, & epaulement. Students will also begin to work on building kinesthetic awareness. Guest artists will be brought in to highlight and expand the students' coursework. Students will also be introduced to the art of Dance Criticism through attending live performances and by viewing recordings of master works.

## DANCE TECHNIQUE II (SOPHOMORES)

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 956

1 Credit

This course is a continuation of Dance Technique I. Students will learn to apply proper dance alignment in both modern and ballet technique while developing advanced skills in both genres. Ballet technique classes will have a strong focus on consistent use of epaulement, basic classical patterning skills, and strong footwork. Some students may be placed on pointe at the discretion of the teacher. Modern technique classes will push students to develop a personal sense of phrasing while developing his/her own expression of personal voice. Guest artists will be brought in to highlight and expand the students' coursework. Dance criticism work will continue but will be assessed on a higher, more analytical level in this course. (Prerequisite: Dance Technique I or Permission of instructor)

**DANCE TECHNIQUE III (JUNIORS)**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 957

1 Credit

This course is a continuation of Dance Technique II. Students will work on complex rhythmic patterns & build skills to help them remember & perform extended exercises and combinations. Ballet technique will focus on the Cecchetti Positions of the Body and the Five Cecchetti Arabesques along with a strong push for advanced & consistent use of epaulement. Pointe work will be strongly encouraged from most female dancers at this level. In modern technique work will focus on the use of the back, total kinesphere awareness, and full body movement/range of motion. At this level, Graham shouldering will also be introduced. In addition, Dance Pedagogy will be introduced. Guest artists will be brought in to highlight and expand the students' coursework. The study of Dance Criticism will be polished and refined at this advanced level and student should be well on their way to fulfilling the Responding requirements of (R2) in the RI State Dance Standards. (Prerequisite: Dance Technique II or Permission of instructor)

**DANCE TECHNIQUE IV (SENIORS)**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 958

1 Credit

In this course students will continue to focus on the skills introduced in Dance Technique III with a concentration on becoming a well rounded and marketable dancer. Additional focus will be on Dance Pedagogy as well as the art of standing out from the masses in a large scale audition or technique class. Students will develop their "dance personality" which will draw their audience to them. Guest artists will be brought in to highlight and expand the students' coursework. Pointe Shoes will be required of all female dancers at this advanced level of technique work. The study of Dance Criticism will be polished and refined at this advanced level and student should be fulfilling the Responding requirements of (R2) in the RI State Dance Standards. (Prerequisite: Dance Technique III or Permission of instructor)

**DANCE COMPOSITION (SOPHOMORE)**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 961

½ Credit

This course which is open to all students focuses on learning the basic tools of dance making and movement invention. Each student will work to find his/her individual voice while finding solutions to various creative problem solving experiences provided by the teacher. Since choreography demands inventiveness, judgment, and insight on the part of all participants, students will participate in the many stages of the creative process, as both creators and peer-mentors.

**DANCE HISTORY (JUNIORS)**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 962

½ Credit

This course is a basic survey of dance history and dance appreciation. It will provide students with a solid background in dance history with a strong focus on the early forms of performing arts in America, early classical dance, and the founders of Modern dance. Students will view, read about, and reconstruct historic dance and styles, research the roots of dance in America, and study and perform masterworks through the use of the American Dance Legacy Institutes Repertory Etudes™ packages.

**ANATOMY OF DANCERS (FRESHMAN)**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 963

½ Credit

This course will give students a basic understanding of anatomy for dancers as well as practical understanding of injury prevention and correction. Focus will be on proper dance technique applications for a career in performance or dance education.

**ART 12: PORTFOLIO AND PUBLIC ART**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 982

1 Credit

Senior year will begin with portfolio preparation for art college admissions. Once students have their admissions portfolios in order, we will explore the world of site specific art for the public. Students will design murals and sculptures for sites in the community. The process of writing proposals and budgets for public arts contests and grants will be covered. Students will learn techniques for creating scale models and enlarging and will work with guest artists who concentrate on public art. Students will work individually and in groups where teamwork and compromise are necessary to project advancement.

**THEATER 10**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 990

1 Credit

The class will survey the history of Western theatre, from its origins in Ancient Greece through 1800.

**THEATER 11**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 993

1 Credit

This class is a laboratory for the exploration, development, and synthesis of all elements of theatre. Practical hands-on experience through acting, directing, technical theatre work and theatre management are provided through the preparation and public performance of a play. Students participate in all phases of production including research, set construction, safety, acting, directing, and business management. **This course is open to Juniors.**

**NON WESTERN THEATRE**COURSE OFFERED AT: **JMW - YES** **Shea - NO** **Tolman - NO**

Code: 949

1/2 Credit

**This class will provide a broad introduction to several traditions of non-western drama and theatrical practice including Kabuki, Noh, West African Storytelling, Wayang Puppetry and Beijing Opera.**

<p><b>THEATER 12</b>  <b>Code: 998</b>  <b>1 Credit</b>  This class is a hands-on experience for students working on student theatre productions: acting, stage design, lighting, sound, costume, makeup, stage and house management, assistant directing, understudying, etc. <b>This course is open to Seniors.</b></p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>SCULPTURE I</b>  <b>Code: 968</b>  <b>½ Credit</b>  <b>Description:</b> This semester long course will teach the fundamentals of figure/portrait sculpture and plaster casting. Students will learn how to build an armature and work from photographs, drawings, and the live clothed model to sculpt a 14" figure in clas. Students will also sculpt and cast a portrait bust. No prior art experience is necessary.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>SHAKESPEARE PERFORMANCE</b>  <b>Code: 969</b>  <b>½ Credit</b>  <b>Description:</b> This class will make an actor out of you. We will learn to play with Shakespeare's language as actors by working on sonnets, monologues, and scenes. The class will culminate with a performance of our work throughout the semester.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>NARRATIVE/DOCUMENTARY FILM I</b>  <b>Code: 974</b>  <b>½ Credit</b>  <b>Level: Grade 9-12</b>  <b>Description:</b> This course provides a progressive, project-based video media program that builds on the skills learned in <i>Video &amp; Film Production I</i>. Students will work both individually and in groups in the productions of video and new media projects. Students experience the creative and technical elements of film-making in the three stages of project creation: pre-production, production and post-production. There will be an emphasis on project management, oversight and methods of distribution.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>NARRATIVE/DOCUMENTARY FILM II</b>  <b>Code: 971</b>  <b>½ Credit</b>  <b>Level: Grade 9-12</b>  <b>Description:</b> This class is for students who want to learn the different skills required to make films and who want to pursue the role of directing/producing as a professional career. Students will explore the filmmaking process through Story, Pre-Production, Production, Post-Production and Premiering. Students will complete a short film, documentary or narrative in one Semester. Projects will be highly dependent on group work and daily participation. Students who take Narrative/Documentary Film II will complete a short film, documentary or narrative different from their Narrative/Documentary Film I selection.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>THEATER WORKS</b>  <b>Code: 976</b>  <b>½ Credit</b>  <b>Description:</b> Theatre Works investigates the wide range of occupations available within the world of theatrical production. We will study the process of producing a play from school level to Broadway. Students will gain a deeper understanding of the collaborative nature of theatre and the many occupations available within the professional world..</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>VIDEO &amp; FILM PRODUCTION I</b>  <b>Code: 977</b>  <b>1 Credit</b>  <b>Level: Grade 9</b>  <b>Description:</b> This course provides a project based video media program which guides students to achieve the standards in the Arts, A/V Technology &amp; Communications Career Cluster of the Career and Technical Education programs, by providing students with technical instruction and practical experiences for aspiring video and filmmakers in the production of film, video, audio and new media projects. Students will experience both the creative and technical aspects of film-making in conjunction with learning about historical and contemporary traditions. Students will be instructed on the three stages of project. Grade 9.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>VIDEO &amp; FILM PRODUCTION II</b>  <b>Code: 979</b>  <b>1 Credit</b>  <b>Level: Grade 9-12</b>  <b>Description:</b> This course provides a progressive, project-based video media program that builds on the skills learned in <i>Video &amp; Film Production I</i>. Students will work both individually and in groups in the productions of video and new media projects. Students experience the creative and technical elements of film-making in the three stages of project creation: pre-production, production and post-production. There will be an emphasis on project management, oversight and methods of distribution.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO
<p><b>VIDEO &amp; FILM PRODUCTION III</b>  <b>Code: 999</b>  <b>1 Credit</b>  <b>Description:</b> Building upon what students have learned in Video &amp; Film Production 9 and 10, they will create and independently produce original films using industry standard equipment over the course of each semester. This will require long-term planning, organizational, communication, and technical and artistic skills that will prepare them for post-secondary education and/or employment in the industry.</p>	<p>COURSE OFFERED AT:</p>	JMW - YES	Shea - NO	Tolman - NO

**FILM HISTORY I**

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 978

½ Credit

Level: Grade 9-12

**Description:** This course is an introduction to film history covering the period 1895-1941. Students will study the major industrial, technological, aesthetic, and cultural developments in motion picture history. Topics will include the invention of motion pictures, the establishment of a film industry and audience, the narrativization of film, developments in the use of cinematic technique, the history of theatrical film exhibition, the establishment of national cinemas, the idea of film as art, changing notions of cinematic realism and its alternatives, and technological innovation.

**FILM HISTORY II**

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 981

½ Credit

Level: Grade 9-12

**Description:** Film History II will focus on film history from 1950's to the present time. Students will focus on production, documentary, narrative, foreign, Indie and other forms of film.

**ANIMATION**

COURSE OFFERED AT:

JMW - YES

Shea - NO

Tolman - NO

Code: 973

½ Credit

Level: Grade 11-12

**Description:** This course is designed to give students exposure to a wide range of animation techniques. During this course students will explore the history and evolution of early animation. Emphasis will be on the processes involved in creation of animation stressing teamwork, storyboarding, creating character, stage design and sound design. The class will consist of demonstrations, viewing of related works, hands-on experimentation, and critique. Weekly projects will further student's exploration of animation approaches and techniques.

## World Language Department

The World Language Department is committed to rigorous curriculum, instruction, and assessment of the performance standards as described by the **American Council on the Teaching of Foreign Language (ACTFL) World-Readiness Standards for Learning Languages** and the **Common Core State Standards State standards**.

During the first two levels of World Language courses, emphasis is placed on listening and oral practice of the language, while developing reading and writing skills. After the second level, a spiraling approach is used to expand student language skills and the ability to use them. An appreciation of the cultures of the people who use the target language is embedded throughout the language program. Oral presentations are required in each level and may be audiotaped, videotaped or photographed. To best facilitate the learning of language and culture, all courses are taught almost entirely in the target language. Placement testing prior to enrollment in World Language classes is recommended for any student who has already attained speaking proficiency in the language that he/she intends to study. Testing is available in Portuguese and Spanish. Students intending to enroll in most 4-year colleges or universities must take at least two consecutive years of a world language.

**SPANISH I**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 511

1 Credit

Target Proficiency Level: ACTFL Novice Mid

In the first level of Spanish students are introduced to the sound system with listening and oral practice receiving major emphasis. Basic reading and writing skills are established, and a systematic approach to the structure of the language is used. Oral presentations are a course requirement.

**SPANISH II**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 512

1 Credit

Target Proficiency Level: ACTFL Novice High

In the second level of Spanish skills taught in the first level are refined. Listening, oral practice, and basic writing are continued in order to increase the student's command of the language. Increased emphasis is placed on cultural reading and proficiency in self-expression. Oral presentations are a course requirement.

**SPANISH III**

COURSE OFFERED AT:

JMW - YES

Shea - YES

Tolman - YES

Code: 513

1 Credit

Target Proficiency Level: ACTFL Intermediate Low

In the third level of Spanish, emphasis is placed on the technical aspects of sentence structure to increase oral proficiency and writing skills as a means of self-expression. Spanish literature is introduced in order to develop skills in reading for basic understanding, analysis and interpretation. Oral presentations are a course requirement.

**SPANISH III AS**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 517

1 Credit

Target Proficiency Level: ACTFL Intermediate Low

This course continues to strengthen the listening, reading, writing, and speaking skills developed in the first two years of Spanish. Linguistic skills are reinforced through grammar, guided and creative compositions, and oral exercises in which students express original ideas. Students are introduced to a variety of Spanish history and short literary selections to strengthen reading skills. Prerequisite: Spanish II or Placement Exam

**ADVANCED PLACEMENT SPANISH LANGUAGE and CULTURE**

**Code: 515**  
**1 Credit**

**Target Proficiency Level: ACTFL Intermediate High**

The AP Spanish Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. This course prepares students to take the SAT II in Spanish and/or the Advanced Placement in Spanish in Language and Culture in order to obtain possible college Credit.

*\* For Shea students, this course may also be taken in the Early Enrolment Program (EEP) offered through Rhode Island College for college credit upon approval. \*Students enrolled in this course are required to take the AP Exam.*

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE**

**Code: 514**  
**1 Credit**

**Target Proficiency Level: ACTFL Advanced Low**

The AP Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. It introduces students to texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature while providing opportunities for students to demonstrate their proficiency in Spanish outlined in the *Standards for Foreign Language Learning in the 21<sup>st</sup> Century*. This course is taught almost exclusively in Spanish and prepares students to take the SAT II in Spanish and/or the Advanced Placement in Spanish in Literature and Culture in order to obtain possible college Credit. For Shea students, this course may also be taken in the Early Enrolment Program (EEP) offered through Rhode Island College for college credit upon approval. *Students enrolled in this course are required to take the AP Exam.*

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**PORTUGUESE I**

**Code: 521**  
**1 Credit**

**Target Proficiency Level: ACTFL Novice Mid**

In the first level of Portuguese there is an introduction to the sound system with listening and oral practice receiving major emphasis. Basic reading and writing skills are established, and a systematic approach to the structure of the language is used. Oral presentations are a course requirement.

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**PORTUGUESE II**

**Code: 522**  
**1 Credit**

**Target Proficiency Level: ACTFL Novice High**

In the second level of Portuguese there is a refining of skills taught in the first level of Portuguese. Listening, oral practice, and basic writing are continued in order to increase the student's command of the language. Increased emphasis is placed on cultural reading and proficiency in self-expression. Oral presentations are a course requirement.

*\*Prerequisite: Portuguese I*

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**PORTUGUESE III**

**Code: 523**  
**1 Credit**

**Target Proficiency Level: ACTFL Intermediate Low**

In the third level of Portuguese emphasis is placed on the technical aspects of sentence structure to increase oral proficiency and writing skills as a means of self-expression. Portuguese literature is introduced in order to develop skills in reading for basic understanding, analysis and interpretation. Oral presentations are a course requirement

*\*Prerequisite: Portuguese II*

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**PORTUGUESE IV**

**Code: 524**  
**1 Credit**

**Target Proficiency Level: ACTFL Intermediate Mid**

In the fourth level of Portuguese, emphasis is focused on communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness.

*\* For Shea students, this course may also be taken in the Early Enrolment Program (EEP) offered through Rhode Island College for college credit upon approval. \*Students enrolled in this course at Shea are required to take the AP Exam.*

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**CHINESE I**

**Code: 531**  
**1 Credit**

**Target Proficiency Level: ACTFL Novice Mid**

Designed for students with no background knowledge in Mandarin Chinese, this course provides integrated training in speaking, listening, reading and writing with special attention given to communication skills. The course introduces familiar topics in Chinese in daily life settings, such as greetings, family, and making appointments. Through proficiency-oriented and task-based instruction, students will gain knowledge in Chinese as well as confidence in expressing themselves in most common aspects of daily life. Proficiency Goal: ACTFL Novice Mid/ILR 0+.

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

**CHINESE II**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 532

1 Credit

**Target Proficiency Level: ACTFL Novice High**

This course is designed for students with Chinese I (Part I) background knowledge in Mandarin Chinese. The course provides integrated training in speaking, listening, reading and writing with special attention given to communication skills. The course introduces Part II familiar topics such as Chinese hobbies, school life, and shopping. Through proficiency-oriented and task-based instruction, students will develop functional language ability in the Mandarin language as well as the development of confidence in expressing themselves, asking and answering questions concerning everyday life situations.

**CHINESE III**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 533

1 Credit

**Target Proficiency Level: ACTFL Intermediate Low**

This course provides students with integrated training in speaking, listening, reading and writing. Through proficiency-oriented and task-based instruction, students will gain knowledge in Chinese as well as confidence in expressing themselves in the most common aspects of daily life in speaking and writing.

**CHINESE IV**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - YES

Code: 534

1 Credit

**Target Proficiency Level: ACTFL Intermediate**

This course is designed for students that have completed levels I, II and III of Mandarin Chinese or have taken an equivalency test. Through proficiency-oriented and task-based instruction, students will continue to develop communication skills as well as a different perspective for the everyday life in the Chinese Speaking World.

**CREATIVE LEARNING IN CHINESE**

Code: 812

1/2 Credit

Students will understand Chinese culture and language through creative Chinese calligraphy, proverb/poem and Chinese brush-painting. Students will learn Chinese characters by writing on rice-paper calligraphy; create Chinese painting based on the meaning of what they read and understanding of poems in Chinese. Hands-on expression and visual art environment stimulated students' vocabulary, command of syntax, and use of metaphor, analogical reasoning, hypothetical thinking, and problem solving skills.

## ELL Department

All courses in core content areas for English Language Learners (ELLs) are committed to the high content and performance standards described in the WIDA English Language Proficiency Standards, the RI Applied Learning Skills, and the Common Core Standards. The goal of the ELL courses is to provide high quality learning situations where English language learners gain proficiency in listening, speaking, reading and writing English as they acquire content knowledge related to English Language Arts, Science, Social Studies and Mathematics.

**ELL LFS (Limited Formal Schooling) - Language Arts**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 901

1 Credit

(ELA Elective) This course is specially designed for students who have limited formal schooling experience in their first language (W-APT score 1-1.9). In this course, students are expected to develop language skills in listening and speaking related to Language Arts vocabulary and will receive intensive literacy interventions to gain proficiency in reading and writing. When provided with strong support, students will learn to identify and decode words, use vocabulary strategies to unlock meaning and build comprehension of literary and informational texts.

Standards: ELP 1, ELP2

**ELL LFS (Limited Formal Schooling) – Mathematics**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 902

1 Credit

Qualifies as a mathematics related course.

This course is specially designed for students who have limited formal schooling experiences in their first language (W-APT score 1-1.9). In this course, students are expected to develop language skills in listening and speaking related to Mathematical vocabulary and will be provided with strong numeracy interventions to gain proficiency in tasks related to numbers and operations. When provided with strong supports, students will learn to read, write and build mathematical skills around numbers and operations. Standards: ELP 1, ELP 2, ELP3

**ELL LFS (Limited Formal Schooling) - Science**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 903

1 Credit

(Science Elective)

This course is specially designed for students who have limited formal schooling experiences in their first language (W-APT score 1-1.9). In this course, students are expected to develop language skills in listening and speaking related to Science vocabulary and will require strong literacy and numeracy interventions to gain proficiency in understanding basic concepts related to Earth and Space, Life, and Physical Science. When provided with strong supports, students will learn to read and write about basic concepts related to the academic content and language of Science.

Standards: ELP 1, ELP 2, ELP4

**ELL LFS (Limited Formal Schooling) – Social Studies**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 904****1 Credit**

(Social Studies Elective)

This course is specially designed for students who have limited formal schooling experiences in their first language (W-APT score 1-1.9). In this course, they are expected to develop language skills in listening and speaking related to Social Studies vocabulary and will require strong literacy interventions to gain proficiency in understanding basic concepts related to History and Geography. When provided with strong supports, students will learn to read and write about concepts related to the basic academic content and language of Social Studies. Standards: ELP 1, ELP 2, ELP5

**ELL 1-Language Arts**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 911****1 Credit**

This class is designed for students who have had formal schooling experiences in their native language, but have limited proficiency in the English language (Level 1) or they have successfully completed the Limited Formal Schooling coursework. This course will provide students with extended literacy intervention and strong language development. Visuals, graphics and adapted texts will be used to support student learning. Students are expected to develop functional and academic language skills in the areas of listening, speaking, reading and writing as they gain content knowledge in the areas of fiction, non-fiction, poetry and drama.

Standards: ELP 1, ELP2

**ELL 1-Physical Science**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 913****1 Credit**

Students in this class have had formal schooling experiences in their native language, but have limited proficiency in the English language (Level 1) or they have successfully completed the Limited Formal Schooling coursework in Science. This course is intended to mirror **Integrated Science** with extended literacy and numeracy interventions and strong language support. Visuals, graphics and adapted texts will be used to support student learning. Students are expected to develop functional and academic language skills in the areas of listening, speaking, reading and writing as they gain content knowledge in the skills and techniques needed to be successful in all science courses.

Standards: ELP1, ELP4

**ELL 1.-Global Studies**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 914****1 Credit (Social Studies)**

Students in this class have had formal schooling experiences in their native language, but have limited proficiency in the English language (Level 1) or they have successfully completed the Limited Formal Schooling coursework in Social Studies. This course is intended to develop knowledge of the current issues affecting our world, and build cultural awareness of the countries are students come from with extended literacy intervention and strong language development support. Visuals, graphics, and adapted texts will be used to support student learning. Students are expected to develop functional and academic language skills in the areas of listening, speaking, reading and writing as they gain content knowledge in global issues.

Standards: ELP 1, ELP5

**ELL-Algebra I**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 915****1 Credit**

Students in this class have had formal schooling experiences in their native language, but have limited proficiency in the English language (Level 1-2). They possess strong mathematical skills in their first language. This course is intended to mirror general **Algebra I** with continued numeracy intervention and language development support. Scaffolding strategies for English language learners and adapted texts may be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they relate to study of Algebra. Students will continue to read and write extended pieces about concepts related to Algebra.

Standards: ELP 1, 3

**ELL 2-Language Arts**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code 921****1 Credit (ELA)**

Students in this class have completed ELL1 Language Arts coursework or have earned a Level 2 ACCESS score. This course will provide students with extended literacy intervention and language development support as they study text and grammatical structures. Scaffolding strategies for English language learners and adapted texts will be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they gain content knowledge on the works of various authors and text. Students will continue to develop reading skills and write extended pieces about concepts related to the academic content and language of selected texts. Standards: ELP 1, ELP 2

**ELL 2-Biology**COURSE OFFERED AT: **JMW - NO** **Shea - YES** **Tolman - NO****Code: 923****1 Credit (Science)**

Students in this class have successfully completed ELL 1 Physical Science or have earned a Level 2 ACCESS score. This course is intended to mirror general Biology (second half) with extended literacy and numeracy intervention and strong language development support. Scaffolding strategies for English language learners and adapted texts may be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they gain content knowledge in Biology. Students will continue to learn to read about and write extended pieces about concepts related to Science.

Standards: ELP 1, 4

**ELL2- United States History I**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 924

1 Credit (Social Studies)

Students in this class have completed ELL1 Global Awareness coursework or have earned a Level 2 ACCESS score. This course is intended to mirror general US History I with continued literacy intervention and strong language development support. Strong scaffolding strategies for English language learners and adapted texts will be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as gain content knowledge of U.S. History. Students will continue to learn to read and write extended pieces about concepts related to U.S. History.

Standards: ELP 1, 5

**ELL3-Language Arts**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 931 A9-A12

Code 931 B9-B12

1 Credit (ELA)

Students in this class have completed ELL2-Language Arts coursework or have earned a Level 3 ACCESS score. This course will provide students with continued literacy intervention and language development support as they study text and grammatical structures. Scaffolding strategies for English language learners and adapted texts may be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they deepen their content knowledge of selected texts and novels. Students will continue to learn to read and write extended pieces about concepts related to various authors and texts. Standards: ELP 1, 2

**ELL3-Geometry**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 932

1 Credit (Mathematics)

Students in this class have completed ELL1 Algebra I or ELL 2 Integrated II Math coursework or have earned a Level 3 ACCESS score. This course is intended to mirror general **Geometry** with continued numeracy intervention and language development support. Scaffolding strategies for English language learners and adapted texts may be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they relate to study of Geometry. Students will continue to read and write extended pieces about concepts related to Geometry.

Standards: ELP 1, 3 **Prerequisite - ELL-Algebra I****ELL3-Chemistry**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 935

1 Credit (Science)

Students in this class have successfully completed ELL Physical Science coursework or have earned a Level 3 ACCESS score. This course is intended to mirror general Chemistry, with continued numeracy intervention and language development support. Scaffolding strategies for English language learners and adapted texts will be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they gain content knowledge in Chemistry. Students will continue to learn to read about and write extended pieces about concepts related to Science.

Standards: ELP 1, 4

**ELL3-United States History II**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 934

1 Credit (Social Studies)

Students in this class have completed ELL2-US I coursework or have earned a Level 3 ACCESS score. This course is intended to mirror general **US History II** with continued literacy and numeracy intervention and language development support. Scaffolding strategies for English language learners and adapted texts may be used to support student learning. Students are expected to further develop functional and academic language skills in the areas of listening, speaking, reading and writing as they relate to study of US History. Students will continue to learn to read and write extended pieces about concepts related to US History.

Standards: ELP 1, 5

**ELL4-Language Arts**

COURSE OFFERED AT:

JMW - NO

Shea - YES

Tolman - NO

Code: 941 A9-12

Code 942 B9-12

1 Credit (ELA)

Students in this class have completed ELL3–Language Arts coursework or have earned a Level 4 ACCESS score. This course will provide students with literacy intervention and language development support as they study the texts and grammatical structures outlined in the. Scaffolding strategies for English language learners may be used to support student learning. Students are expected to further develop functional and academic language in the areas of listening, speaking, reading and writing as they relate to various texts and authors studied. Students will continue to learn to read, analyze and write extended pieces about concepts related to the academic content of selected texts and novels. Standards: ELP 1, 2