



South Windsor High School

2018 - 2019

Program of Studies

Grades 9 - 12

EQUAL EDUCATION OPPORTUNITY

The right of a student to participate fully in classroom instruction and extracurricular activities shall not be abridged or impaired because of age, sex, race, religion, physical or mental disability, national origin, ancestry, pregnancy, parenthood, marriage, sexual orientation, or for any reason not related to his/her individual capabilities.

Any student, parent/guardian, employee or employment applicant who feels that he/she has been discriminated against on the basis of race, color, age, national origin, sex or handicap may discuss and/or file a grievance with the Equity/Title IX Coordinator of the South Windsor Public Schools. Reporting should take place within 40 calendar days of the alleged discrimination.

Equity/Title IX Coordinator:
Colin McNamara, Assistant Superintendent
South Windsor Public Schools
1737 Main Street
South Windsor, Connecticut 06074
(860) 291-1215

Equity/Title IX Grievance Procedure

The purpose of this procedure is to secure, at the lowest possible administrative level, equitable solutions to problems which may arise concerning claims of discrimination. Evidence of reprisal against a complainant or witness shall be viewed as an infraction of this policy.

Any individual who wishes to inquire or to register a complaint concerning alleged discrimination in the South Windsor Public Schools shall have an opportunity to bring such concerns to the attention of the Equity/Title IX Coordinator or Superintendent, who has the authority to resolve such complaints. The following grievance procedure shall be utilized by any student, parent, or employee in making a complaint or inquiry. Officials shall be governed by this procedure. Correspondence from school officials regarding the disposition of the complaint shall be sent by certified mail.

Level II: The complainant shall, within forty calendar days whenever possible of the alleged incident, on forms provided, put the complaint in writing and file it with the Equity/Title IX Coordinator. Within five working days a conference must be held. Within five work days following the conference, the complaint must be resolved to the satisfaction of both parties or referred to the Superintendent of Schools. Unless the complainant has made a written request for a hearing at the next level no later than ten work days after receiving a written response, the complaint will be considered resolved.

Level III: Within ten work days after receipt of such complaint, the Superintendent must hold a hearing; and within five work days of the hearing, resolve the complaint or negotiate a long-term solution. Unless the complainant has made a written request for a hearing at the next level no later than ten work days after receiving a written response, the complaint will be considered resolved.

Level IV: The Board of Education, Superintendent, and the Equity/Title IX Coordinator shall proceed in accordance with appropriate state statutes. For more information, please see full text of Board of Education Policy "Nondiscrimination and Equity in Employment and Educational Opportunity."

SOUTH WINDSOR HIGH SCHOOL

161 Nevers Road
South Windsor, Connecticut 06074
(860) 648-5000

School Administration

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Tera L. HarlowAssociate Principal
Melissa Morgan-HostetlerAssociate Principal
Andrew T. KuckelAssociate Principal

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Steve Albrecht Career and Technical Education
Candice Irwin..... Literacy English/Language Arts
Robyn Ongley Mathematics
Andrew T. Kuckel..... Music
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Nicholas Canova Visual Arts
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School Counseling Department

(860) 648-5003

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Michael Bombara, Ph.D.
Dina Keleher-9th grade
Daniel Peters

Michele Brown-Quinn
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Dream, Achieve, Inspire

TABLE OF CONTENTS

Table of Contents	4
General Information.....	6
Selecting Your Courses for Next Year	6
Academic Levels	6
Advanced Placement Program	6
Appeal of Level or Course Recommendation	6
Public School Choice Options.....	7
College Partnership Programs	7
The University of Connecticut Early College Experience Program	7
College Career Pathways at Manchester Community College.....	8
Project Lead the Way Pre-Engineering Pathway at The University of New Haven	8
Course Weighting.....	9
Credits	10
District Performance Standards	11
Administration of Performance Standard Assessments	11
Counseling Services.....	12
Career Center	12
Naviance.....	13
On-Line Registration Instructions for Course Selection	13
Nationwide Examinations	13
Grade Reporting.....	14
Contact Information.....	14
Summer School	14
Virtual High School (VHS)	14
Career and Technical Education.....	15
Business and Finance Technology.....	15
Technology Education	16
Cooperative Work Experience	20
Family and Consumer Sciences	20
Literacy/English Language Arts	22
Mathematics	27
Music.....	33
Vocal Ensembles	33
Instrumental Ensembles	34
Other Music Electives.....	35
Physical Education and Health	37

Health	38
Science	40
Biological Science Courses	40
Physical/Earth Science Courses.....	42
Social Studies	46
Social Studies - Required Courses	46
Social Studies - Elective Courses	48
Visual Arts	51
World Languages.....	56
Humanities Electives	63
General Electives.....	64
Capstone	66

GENERAL INFORMATION

Selecting Your Courses for Next Year

Selecting appropriate courses is one of the most important educational decisions that students face each year. Take the time to help create a schedule that best fits your needs and abilities. **Students will only be allowed to change schedules for the 2018-2019 school year prior to the last day of school in June, 2018. This includes all semester and full year classes.** If you have any questions about the scheduling process or your own particular schedule, do not hesitate to see your school counselor or arrange an appointment for you and your parents to meet with your counselor.

Academic Levels

Core curricular courses at South Windsor High School are divided into academic levels based upon difficulty of curricular content, academic requirements, sophistication of analysis required, and other related educational demands. The Advanced Placement/ECE and Honors courses are the most challenging while college prep courses provide rigorous course work necessary for post-secondary success. Curricular electives and other courses in non-core areas are all college prep unless otherwise noted.

Advanced Placement Program

The Advanced Placement Program (AP) offers the potential college credit for courses taken in high school. In order for a student to qualify for an AP course, a student must have a teacher recommendation in the same subject area. AP courses are college level courses with requirements that extend beyond the school year, including reading, writing assignments, and project work. Students electing more than one AP course should consult carefully with their parents, teachers, and school counselors before signing up for these courses. Taking the AP Exam in May is a requirement of all AP courses. Details on specific courses, exam information and AP requirements are available on the College Board web site at: <https://apstudent.collegeboard.org>. College credit may be granted by an individual college based upon the score obtained by the student on the AP exam. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

Appeal of Level or Course Recommendation

If following the recommendation period, a student or parent disagrees with the recommendation made by a teacher, he or she should:

1. Contact the student's school counselor.
2. The counselor will initiate the appeal process by providing a Change of Placement Request Form.
3. If the issue is not resolved with the teacher, the student/parent may contact the curriculum specialist or curriculum program coordinator for that department.
4. If the issue is not resolved with the curriculum specialist or curriculum program coordinator, the parent may contact the principal.

Public School Choice Options

In addition to the various academic programs offered at South Windsor High School, other educational opportunities are available for students. Options include magnet and charter schools, regional vocational/agricultural and vocational/technical schools. For more information about these programs, please visit the Board of Education website or www.choiceeducation.org.

College Partnership Programs

Juniors and seniors who maintain Honor Roll status are eligible to participate in programs at local colleges. This opportunity allows students to take a college course while still in high school. They can apply to receive both college credit and high school credit (towards graduation) upon successful completion of courses. Students interested should see their school counselor the preceding semester to receive prior approval, as deadlines for these programs are very early. Students are able to receive .5 credit for each college semester course if the course is approved through the pre-approval process.

The University of Connecticut Early College Experience Program

UConn Early College Experience (ECE) provides academically motivated students the opportunity to take university courses while still in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree. ECE instructors, who are certified as adjunct professors by UConn faculty, create a classroom environment fostering independent learning, creativity and critical thinking – all pivotal for success in college. To support rigorous learning, University of Connecticut library resources are also available to students.

ECE students must successfully complete the course with a grade of C or better in order to receive university credit. University credits are typically transferable to other universities. There is a charge per credit. The cost per credit for the 2017-2018 school year was \$55 plus a processing fee. For additional information visit: www.ece.uconn.edu.

SWHS Course

Marine Science
Environmental Science
AP Physics 1
Latin 4
Modern Western Traditions

UConn ECE Course

MARN1003 – 4 credits
NRE1000 – 3 credits
PHYS1201Q – 4 credits
CAMS3102 – 3 credits
HIST1400 – 3 credits

College Career Pathways at Manchester Community College

College Career Pathways is a combined secondary and post-secondary education program designed to prepare students for tomorrow’s highly competitive careers. College Career Pathways programs provide a foundation of Applied Academics and career skills needed for current and emerging careers. Students enrolled in College Career Pathways courses will earn college credit at MCC for courses completed at SWHS if they follow the MCC registration procedures distributed to them in the fall.

<u>SWHS Course</u>	<u>MCC Credits</u>	<u>SWHS Course</u>	<u>MCC Credits</u>
Broadcast News Production	3	Leadership in Child Care	3
Physics (CP or H)	4	Senior English (H)	3
Algebra II w/ Trig	3	Web Design	3
		Personal Finance	3
		Video Communication	3

Teacher Assistants

Students who have ample time in their schedules may dedicate time to help a teacher as a Teacher Assistant (TA). Students must be in good academic standing, have good attendance, and submit a completed form from school counseling with all required signatures. Students may only serve as a TA for the same teacher in one course for the student’s academic career. Teacher Assistants may not receive credit value greater than .25 per semester and if the TA position is used for service learning or community service hours, credit cannot also be issued. TA credit cannot fulfill credits needed for graduation.

Project Lead the Way Pre-Engineering Pathway at The University of New Haven

South Windsor High School has partnered with the University of New Haven and Project Lead the Way, a nationally recognized curriculum, to offer a pre-engineering pathway, which engages students in hands-on projects and real-world challenges. Students must complete each course with a B or better and score at least 6 out of 9 on a final exam in order to qualify for university credit. There is a charge per credit. The cost per credit for the 2017-2018 school year was \$200.

<u>SWHS Course</u>	<u>UNH Credits</u>
Introduction to Engineering Design	2
*Principals of Engineering Design	3
*Engineering Design and Development	2

*These courses are weighted as honors courses.

Course Weighting

Courses at South Windsor High are offered at different levels. Each of these levels is assigned a weighted Course Value:

<u>Level</u>	<u>Course Value</u>
Advanced Placement/ECE	4.67
Honors	4.33
College Preparatory	4.00

Grade Points. Each grade is also assigned a value:

	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
CP	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.67	0.00
Honors	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.00
AP/ECE	4.67	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	0.00

GPA With the exception of Independent Studies and those classes which are graded as P or F, all courses taken at SWHS are used in computing GPA.

Class Rank SWHS no longer ranks students. In the spring of senior year, we will identify the top ten students in the class and recognize the valedictorian and salutatorian. All grades up to and including Q3 grades of senior year will be used in the calculation.

Policy on Dropping Courses A student who drops a required or elective course after the deadlines will receive a “W” on their permanent record, and a “W” in the marking period when the course was dropped. This “W” is equivalent to an “F” when used in determining GPA. This policy does not apply to approved course level changes. **As a rule, students will only be allowed to change schedules for the 2018-2019 school year prior to the last day of school in June, 2018. This includes all semester and full year classes.**

Course Load Freshman and sophomore students are expected to schedule a minimum of 7 credits each year. Junior and senior students are expected to schedule a minimum of 6 credits each year. A student must carry a minimum of 6 credit equivalents for each semester in a school year. To be eligible to participate in extracurricular activities and be eligible for honor roll distinction, a student must carry 6 credit equivalents of graded courses during a marking period. On-line courses do not count towards this credit total unless prior approval from the principal is granted.

NCAA Courses marked with an *(asterisk) designate SWHS core courses which do NOT meet NCAA’s core subject area requirements for Division I and II.

GRADUATION REQUIREMENTS

Graduation from the South Windsor Public Schools implies that all students have:

1. Satisfied the prescribed courses of study for the grade levels in accordance with their respective abilities to achieve.
2. Satisfactorily passed any examinations and satisfactorily demonstrated the district’s performance standards, assessed in part by state mandated assessments, established by the faculty and approved by the Board of Education.
3. Fulfilled the mandated number and distribution of credits.

CREDITS

One-half credit is given for courses that compile work in one semester. If physical education is not taken because of medical excuse, another subject may be substituted.

Only courses taken in grades nine through twelve, inclusive, shall satisfy this graduation requirement except that a student may be granted credit for the successful completion of coursework at an institution accredited by the Department of Higher Education or a regional accrediting agency. Per state statute, one three-credit college semester course, or its equivalent, shall equal one-half high school credit.

Graduation Requirements

STUDENTS GRADUATING IN 2019 OR LATER

The following courses/credits must be included in the **25-credit** minimum graduation requirements:

Subject	# Credits	
English/Language Arts	4	
Mathematics	4	<i>Must include Algebra I, Geometry, and Algebra II OR Probability & Statistics</i>
Science	3	<i>Must include 1 credit in Life Science and 1 credit in Physical Science</i>
Social Studies	3	<i>Must include 1 credit in U.S. History and .5 credit in Civics & American Government</i>
World Language	2	
Physical Education	1	
Health	.5	
Humanities Elective	1	<i>Any English, Social Studies or Fine Arts class, including a second year of Art or Music, or any course designated as a humanities elective.</i>
STEM Elective	1	<i>Any Science, Technology, Math course, including Science Olympiad and Computer Science</i>
Career/Life Skills	2	<i>2 credits of any of the following: Business Ed, Tech Ed, Family Consumer Science, PE/Health, Yearbook, American Sign Language, ESL, Community Service, Public Speaking, Rhetoric, Financial Math, Adv. Math Dec Making, Mobile CSP, Intro to Allied Health, Food Chemistry, Forensics, Psychology, Sociology, Photo, Video Communication, Graphic Communication, Aviation Ground School, Basic Life Support for Healthcare Providers, Journalism, AP Economics</i>
Fine Arts	1	<i>All Art and Music courses qualify</i>
Capstone	1	
Electives	1.5	<i>Student choice; any additional courses qualify</i>
Total Minimum Credits for Graduation	25	

Promotion/Class Placement Promotion and class placement are based on the number of credits earned in high school. Credits are accumulated when all course academic requirements are successfully completed. Minimum requirements for official class standing and promotion are:

	From Grade 9 to 10	From Grade 10 to 11	From Grade 11 to 12	Graduation
Class of 2019, 2020, 2021	6	12	18	25

DISTRICT PERFORMANCE STANDARDS

It is anticipated that in the future the “District Performance Standards” section of this guideline will specify the degree to which the new SAT assessment will factor in toward graduation requirements as well as the options for seniors if requirements are not met. In accordance with Board of Education Policy 6146, District Performance Standards for the class of 2018 and beyond have not yet been defined.

ADMINISTRATION OF PERFORMANCE STANDARD ASSESSMENTS

Transfer Students

- A student who transfers into South Windsor High School from another Connecticut public high school in his/her junior or senior year and has met the standards from the sending district will satisfy the South Windsor district performance standards. A student who has not met the standards of the sending district will be required to meet the South Windsor district performance standards.
- A student who transfers into South Windsor High School after completing at least three years in a private high school or an out-of-state high school will have his/her student records and transcripts reviewed by the appropriate curriculum specialist or curriculum program coordinator. As a result of the review, a determination will be made as to whether or not the student will be exempt from the district’s performance standards. A nonexempt student will be required to meet the South Windsor district performance standards. Parents and students will be informed by the school counseling office as to what requirements still have to be met in order to graduate from South Windsor High School.

Special Needs

South Windsor High School’s graduation requirements apply to all students, including special education students. The planning and placement team (PPT) will consider appropriate accommodations to demonstrate proficiency toward the district performance standards. Decisions of the PPT regarding accommodations must be outlined within a student’s Individualized Education Plan (IEP). Accommodations and modifications of course requirements should fit a student’s strengths and weaknesses, not the disability category, and be in effect within the IEP for class work.

Notification to Teachers

At the beginning of a student’s junior year appropriate staff will be provided with a list of the names of students who require further performance assessments.

Notification to Parents/Guardians

- A letter detailing the academic and performance requirements will be mailed to all incoming freshmen, transfer students and their parents/guardians.
- Achievement of proficiency standards will be mailed to parents/guardians.
- At the end of a student’s junior year, a written communication will be sent to parents/guardians of junior students outlining credits achieved and requirements still needed for graduation.

- At the end of the first semester of a student's senior year, a certified letter will be sent to parents/guardians of seniors who are in danger of not meeting all graduation requirements.

Awards of High School Diplomas

Students who complete all graduation requirements shall receive a diploma.

For the full text of the Board of Education policy pertaining to graduation requirements, please refer to our district website: www.southwindsorschools.org.

COUNSELING SERVICES

The goal of the Counseling Program is to facilitate learning so that all students extract the greatest gains from the South Windsor High School program of studies and transfer those gains to their post-secondary endeavors.

The specific services offered by the School Counseling Department – course programming, testing, individual, college and vocational counseling, and the identification and resolution of social problems – are all part of an integrated developmental counseling program which is proactive in nature. With our society undergoing a drastic transformation that has been both stimulated and magnified by the ever-increasing pace of technological advances, we are faced with issues whose solutions will require flexible and adaptive problem solving skills. We aim not only to help our students develop the capacity to adapt to change, but to be prepared to plan, order and direct that change.

The developmental counseling program is comprehensive in nature and includes sequential activities which are developmentally appropriate for each grade level. These activities are organized and implemented by certified school counselors in collaboration with teachers, administrators, students, parents and other community resources and are directed at facilitating students' academic, career and personal/social development. The program, designed to systematically assist all students in our school, focuses upon helping students acquire the knowledge and competencies needed to develop problem solving skills, interpersonal effectiveness, decision making, goal setting and planning skills. We seek to have our students, with the right skills and the appropriate motivation, ready to make the successful transitions essential to the competitive workplace.

The counselors serve the school in many ways. These services include:

- Assisting the students in program planning
- Individual counseling
- Post-secondary planning
- Monitoring student academic achievement
- Referral services for students and families

Career Center

The main function of the Career Center is to give individuals (students, teachers, parents, and members of the community) who wish to explore post-secondary options, a central information center.

The Career Center has information on careers, two and four-year colleges, scholarships and other financial aid, as well as military options. Many college admissions representatives as well as military recruiters visit our Career Center and meet with SWHS students in small group settings. The Career Center also

has computer software, catalogs, books, and other materials that can be signed out and used at home. People borrowing materials must return them promptly so others are not deprived of their use.

Naviance

The focal point of the Career Center is the Naviance Program. Naviance is a web based computer program for delivering post-secondary planning resources to students, parents, and teachers. It is a vital component to Student Success Planning in grades 9 –12. All students have the opportunity to utilize their own Naviance accounts which will serve as an electronic “storehouse” for all of their post-secondary planning materials. All teachers have Naviance accounts which enable them to send/store college letters of recommendation and evaluations electronically in order to be sent to the School Counseling office and to colleges. Finally, all college application materials are submitted via Naviance electronically.

Parents are also encouraged to open Naviance accounts so they can view their child’s activities/information, as well as use the many career, college and scholarship search engines and tools that Naviance offers. The ultimate goal of Naviance is to provide more efficient, transparent, and accessible School Counseling services to all students and their families.

On-Line Registration Instructions for Course Selection

Students will go on-line through the SWHS website to register for their courses for the next school year. The instructions will be posted on the South Windsor High School website at www.southwindsorschools.org. **Students will not be allowed to change schedules for the 2018-2019 school year after the last day of school in June 2017. This includes all semester and full year classes.**

Nationwide Examinations

The most current information is summarized below concerning the four major tests used for college admissions and scholarships. Since changes occur frequently, students should check with their counselors concerning specific tests. Current information can also be found at www.collegeboard.com.

- The Preliminary Scholastic Aptitude Test/National Merit Scholarship qualifying test is given to both sophomores and juniors on a Wednesday during the month of October. This test is used to familiarize students with the College Board’s tests. It is also the basis of awarding National Merit Scholarship funds for Juniors. However, the most important function of the PSAT **is to determine a student’s academic strengths and weaknesses. Students can then use this information to identify skills that need improvement.**
- College Entrance Exams - one of the requirements at most four year colleges and at many two year colleges is the **Scholastic Assessment Test** (SAT - Reasoning Test) prepared by Educational Testing Service of Princeton, New Jersey. This test is given at selected secondary schools on dates specified by the College Entrance Examination Board (CEEB). In addition to the SAT, a number of colleges also require one or more *achievement* tests (SAT - Subject Tests) for admission. These are one-hour examinations in specific subject areas and are also offered on specific dates. Test dates and registration deadlines can be found on CollegeBoard.com. SOUTH WINDSOR HIGH SCHOOL TEST CENTER CODE IS 070700.
- A number of colleges prefer the test battery of the American College Testing program (ACT). These tests are given five times a year on specified dates in October, December, February, April and June. More information can be found by visiting www.act.org.
- The ASVAB Test (Armed Services Vocational Aptitude Battery Test) will be administered at South Windsor High School during November for interested students.

Grade Reporting

South Windsor High School strongly encourages parents to be as active in their child's education as possible. Parents are encouraged to review their child's homework and ask questions about how school is going. Report cards are emailed to the primary contact listed in PowerSchool approximately one week following the end of each quarter. Parents and students should use this information carefully as a springboard for discussions about future goals and aspirations.

Contact Information

If a parent has any questions about a class, the best source to call to answer questions is the teacher of that specific class. A teacher may be contacted by telephone at 860-648-5000 or by email. Email addresses are posted on our web site: www.southwindsorschools.org. Please feel free to call the school counseling department at 860-648-5003 if you need assistance in communicating with a teacher. When issues arise within your family that you feel may influence your student's performance at school, please let us know. We will be discreet and confidential with our dealing with all of your child's teachers, especially as they pertain to family issues. If you think we can be of help, please do not hesitate to call. If we are not able to provide direct assistance, then we can direct you to those who can.

Summer School

South Windsor High School students have a number of options for summer school, including summer school programs held in local surrounding communities. The purpose of these summer school programs is to meet the needs of students who are interested in (1) special study in subject fields of particular interest for enrichment purposes, (2) earning academic credit in secondary subjects which were failed during the year and are necessary for graduation, and (3) remedying deficiencies in subject areas. Details regarding summer school and its costs are available from the Counseling Office in late May or early June.

Virtual High School (VHS)

South Windsor High School is a participant in the Virtual High School program. Each semester a limited number of students may enroll in a VHS course at no cost to the student. These courses are generally "anytime, anywhere" courses that do not have to be scheduled into the school day. Typically, VHS courses are entered on the transcript as Pass/Fail courses that do not satisfy graduation requirements and they are not included in the GPA or QPA calculation. Under certain circumstances, with permission from the principal, VHS courses may be taken to satisfy graduation requirements, entered as graded courses, and included in the GPA calculation. Students must follow SWHS On-line course guidelines and complete a "**Pre- Approval for High School Credit for Course Work Outside of SWHS**" form which is signed off by the parent, counselor, curriculum leader, and administrator. Once evidence of completion is obtained, the credit and grade (P/F) is entered on the student's transcript.

CAREER & TECHNICAL EDUCATION

Business and Finance Technology

FRESHMAN SEMINAR

CRS #0923

½ Credit One Semester 9

In this course, students learn to use their Chromebook for time management, goal setting, note taking, and presenting while also learning about digital citizenship and social media safety. Students will use Google’s word-processing, spreadsheet, presentation, and webpage applications as they develop an electronic portfolio and conduct career exploration.

ACCOUNTING I

CRS #0620

1 Credit Full Year 10, 11, 12

Accounting is the “language of business.” This course introduces students to the basic accounting cycle for businesses. Students learn how to start an accounting system, analyze transactions into debit and credit parts, journalize and post business transactions, complete end-of-fiscal-period statements, and complete an accounting simulation for a service business. Microsoft Excel and QuickBooks are used throughout the course.

BUSINESS COMMUNICATIONS

CRS #0629

½ Credit One Semester 9, 10, 11, 12

In this class, students learn to communicate effectively for business environments. Topics of study emphasize the communication process, barriers to communication, and styles of communication. Students will practice presentation skills and prepare written communications, covering such topics as press releases, good and bad news, and crisis management. Students will also learn how to prepare and dress for an interview.

CONSUMER LAW

CRS #0612

½ Credit One Semester 10, 11, 12

Consumer Law is a dynamic course dealing with the rights and responsibilities of the citizen. Textbook materials, case studies, and simulation activities address such topics as contracts, insurance, financial crimes, tort law, family legal issues, and trial procedures.

ENTREPRENEURSHIP

CRS #0640

1 Credit Full Year 10, 11, 12

Entrepreneurship students will gain the knowledge and skills necessary to research and develop a small business. Students will assess their own entrepreneurial aptitudes and evaluate entrepreneurial opportunities, calculate start-up costs, identify managerial concerns, select a business location based on economic indicators, compare and contrast forms of business ownership, and determine whether starting a new business or buying a franchise is most beneficial. Students will also use goal-setting, marketing analysis, and estimations of pro forma financial data to write a business plan and create basic financial reports in an effort to solicit venture capital or debt financing for their proposed venture.

INTRODUCTION TO PERSONAL FINANCE**CRS #0615**

½ Credit One Semester 9, 10, 11, 12

Introduction to Personal Finance covers personal financial issues facing individuals in today's society. Students will learn ways to save for the future, manage certain investments, and understand the importance of creating a budget. Course topics include managing savings and checking accounts, investments, budgeting, taxes, credit management, as well as how to protect themselves against risk. Within this course students will access the latest information with regard to federal income tax preparation. Various class projects using technology will support curriculum objectives in each area studied.

FINANCE, INVESTMENT AND BANKING**CRS #0616**

½ Credit One Semester 10, 11, 12

Prerequisite: Introduction to Personal Finance

This course will expand upon topics covered in the introduction to Personal Finance course and provide students with advanced knowledge about banking, finance and investment. Areas of study will include debt and equity securities, investment analysis, and insurance and risk management.

MARKETING**CRS #0619**

1 Credit Full Year 10, 11, 12

This course will introduce students to marketing principles, including socially responsive marketing, economics, information systems, e-commerce, pricing, marketing strategies, advertising, and promotion. In DECA, students will apply learning to real-world challenges, including community service, volunteer work, and fundraising. Students will have the option to enter DECA competitions at the state and national level.

Technology Education

ARCHITECTURAL DESIGN**CRS #0957**

1 Credit Full Year 9, 10, 11, 12

Students use Autodesk Revit software to create a complete set of house plans for their dream home. Color renderings and walk-through animations are created by the students to better illustrate their ideas. Students spend the majority of their time designing and drawing on the computer. This course provides a study of residential house design and construction. Any student considering a career in architecture or construction should take this course.

BROADCAST NEWS PRODUCTION**CRS #0971**

1 Credit (may be repeated) Full Year 10, 11, 12

This course is a study of basic television production as it applies to live and recorded studio programming. Beginning instruction is offered in the areas of news gathering, story writing, video editing, studio setup and operation, audio for television, and television directing, with an emphasis on underlying principles of video technology. Students will learn how to: research a news story, write a script, shoot an interview, serve as a reporter or news cameraperson, edit news packages, and conduct an actual newscast. Students will also learn computer programs related to television programming including: Final Cut Pro X, Soundtrack, Garageband, DVD StudioPro and other applicable software. The students that are enrolled in this course will produce the daily news show for

SWHS school announcements. (Students completing this course may earn 3 college credits in the College Career Pathways program at Manchester Community College.)

VIDEO PRODUCTION**CRS #0960**

1 Credit Full Year 10, 11, 12

Prerequisite: Video Communications or permission of instructor.

Video Production will expand upon the filmmaking and editing process with the production of dynamic 2D and 3D computer graphics, special effects, animations, and short films. Each student will design and produce a professional showreel/portfolio suitable for presentation to colleges and potential employers in the communications industry. Industry practices and software will be used in the fulfillment of the course requirements. Students have the opportunity in this class to obtain internationally recognized Apple Certification for Final Cut Pro.

AP COMPUTER SCIENCE A**CRS #0972**

1 Credit Full Year 10, 11, 12

AP Computer Science is a college level course for highly motivated students with strong mathematical reasoning and problem-solving skills. No prior coding experience is necessary. Students will learn object-oriented programming in the Java language with an emphasis on class design, data structures, algorithm analysis, inheritance, and the software design life cycle. All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.

VIDEO GAME DESIGN AND COMPUTER PROGRAMMING**CRS # 0913**

½ Credit One Semester 9, 10, 11, 12

A half-year course in video game design and computer programming in which students use the Python coding language to create 2D and 3D games and mobile apps. Students will be introduced to the concepts of interface design and layout, touch-screen controls, variables, animation, persistence, programming logic, and data management. This course provides a good introduction to some of the concepts covered in the AP Computer Science course or the AP Mobile Computer Science Principles course.

WEB DESIGN**CRS #0946**

½ Credit One Semester 9, 10, 11, 12

Students will learn how to design and produce websites using HTML/CSS coding and Dreamweaver. The class focuses on web page planning, basic design, color, navigation, interactivity, layout, web page production, and the setup of a website. HTML, Cascading Style Sheets, Dreamweaver, Photoshop, and various other web page and image creation tools will be taught in the course. Students will learn how to mock up a site using Photoshop and create the final pages from this. They will also develop a portfolio of websites during the semester.

INTRODUCTION TO ROBOTICS**CRS #0966**

½ Credit One Semester 9, 10, 11, 12

This one-semester course explores a variety of robotic systems. Students work with VEX Robotics kits to learn about mechanical systems, RobotC programming, logic, open-loop and closed-loop systems, motion systems, motor controls, transmissions, sensors, autonomous behavior, arms and manipulators to move objects.

INTRODUCTION TO MANUFACTURING**CRS #0926**

½ Credit One Semester 9, 10, 11, 12

An introductory course in manufacturing practices that introduces students to the basic machines and technologies used to manufacture products. The course provides a basic understanding of technical drawing and blueprint reading, the use of CAD Software to create multi-view orthographic drawings and will include tolerance and dimensioning. The course is intended to provide the basic concepts of machine tool operation on lathes, millers, power saws, drill presses, hand grinders, and part finishing processes. Course will include part layout, bench work, some simple CNC programming, and processes for producing products using measuring instruments for quality control. Emphasis is placed on shop safety and career opportunities.

COMPUTER INTEGRATED MANUFACTURING**CRS #0914**

½ Credit One Semester 10, 11, 12

Prerequisite: Introduction to Manufacturing

Computer Integrated Manufacturing is a one-semester course where students are encouraged to create designs, prototypes, and inventions, which solve student-initiated problems. Completed designs are used to develop products, using computer-aided processes wherever possible. Students will combine the concepts and processes from the Introduction to Manufacturing class with new processes to produce creative solutions to design problems and inventions. The purpose of this course is to provide students with the opportunity to explore the field of engineering.

CREATIVE WOODWORKING I**CRS #0922**

½ Credit One Semester 9, 10, 11, 12

This course is intended for students interested in the design and creation of functional and beautiful wooden objects. Emphasis will be placed on computer-aided design and problem-solving design approaches, careful craftsmanship, and ecologically friendly materials. All students will gain skill and experience in the design process and in the manipulation of materials with hand and power equipment. Projects assigned will be based on the student's own designs.

CONSTRUCTION TECHNOLOGY I**CRS # 0954**

½ Credit One Semester 10, 11, 12

Construction is a one-semester introductory course where the students study conventional house construction and related trades. Students will learn how to safely use construction equipment to build structures from plans. In addition to building structures and wall sections students will learn basic electrical wiring, home automation system installation and operation. Practical experience and career exploration are emphasized in this course.

CONSTRUCTION TECHNOLOGY II**CRS #0927**

½ Credit One Semester 10, 11, 12

Prerequisite: Construction Technology I

A one-semester-course where students expand their knowledge of conventional house construction and related trades. Students will use architectural design software to modify a set of house plans for construction. Students will learn how to design structures using three-dimensional design software and then participate in the construction of the structures they designed. Theory, design and practical experience are the emphasis of this course. Students will gain hands on experience with plumbing and electrical systems. Any student considering a career in architecture or construction should take this course.

AVIATION AND AEROSPACE ENGINEERING**CRS #0959**

½ Credit One Semester 9, 10, 11, 12

A one-semester course designed to stimulate the interest in space and aviation. The areas of study include a history of flight, the basic principles of flight and aerodynamics, rocketry, and modern aviation. There is a design component in the course where students will design flying machines using three-dimensional software and build, test and refine their designs. Vocational opportunities in this field are also discussed.

INTRODUCTION TO ENGINEERING DESIGN**CRS #0947**

1 Credit Full Year 9, 10, 11, 12

This full-year, introductory course is a component of the “Project Lead the Way” Pre-Engineering program. The course teaches problem-solving skills using a design development process. Students create individual solutions to a variety of mechanical and product design problems. Models of product solutions are created, analyzed and communicated by using solid modeling computer design software. Color renderings and animations are created by the students to better illustrate their ideas. Any student considering a career in engineering or manufacturing should consider taking this course.

Students who successfully complete this course may apply for 2 credits from the University of New Haven.

PRINCIPLES OF ENGINEERING**HONORS CRS #0953**

1 Credit Full Year 10, 11, 12

Prerequisite: Introduction to Engineering Design

This full-year course is the intermediate component of the “Project Lead the Way” Pre-Engineering program. This course helps students understand the field of engineering and engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

Students who successfully complete this course may apply for 3 credits from the University of New Haven.

ENGINEERING DESIGN AND DEVELOPMENT**HONORS CRS #0970**

1 Credit Full Year 11, 12

Prerequisite: Principles of Engineering

Engineering Design and Development (EDD) is the capstone course in the “Project Lead the Way” high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Students who successfully complete this course may apply for 2 credits from the University of New Haven.

INDEPENDENT STUDY – TECHNOLOGY

CRS #0955

With the consent of the instructor and curriculum leader, students may select topics, projects or processes for independent study. Arrangements concerning level, credit, etc., must be determined prior to approval.

Cooperative Work Experience

The CWE program is a school-centered program run with the cooperation of selected employers in the greater South Windsor area. The program is designed to allow students to explore career interests in a variety of professions. CWE students apply academic knowledge and learn personal management strategies that relate directly to situations found in the workplace. Students that meet the eligibility criteria can be offered a work experience component and can earn up one additional credit based upon their work performance and hours worked. Since this additional credit is awarded at the end of the school year, it may not be counted as one of the 5 credits required for full time students.

CWE I – CAREER PREPARATION

CRS #0030

1 Credit Full Year 11, 12

This course provides students the opportunity to learn how to successfully prepare for their future. The following topics will be covered: career planning, post-secondary planning, career acquisition, interview skills, job selection, work safety, labor laws, employer expectations, teamwork and problem solving on the job.

CWE II – CAREER MANAGEMENT

CRS #0032

1 Credit Full Year 12

Prerequisite: CWE 1 - Career Preparation

In this course students will learn concepts that influence personal and career decisions. The following topics will be covered: how to effectively communicate on the job, diversity and rights in the workplace, the U.S. economic system, entrepreneurial opportunities, technology in the work environment, payroll, filing taxes and managing income.

Family and Consumer Sciences

CHILD DEVELOPMENT

CRS #0931

½ Credit One Semester 10, 11, 12

Child Development is a one-semester course that concentrates on the study of the physical, emotional, social, and intellectual development of children. Emphasis is placed on the care of the young child or children, recognition of growth patterns, and the skills needed to help and teach the child as they interact

with other children. Students will participate in The SWHS Preschool Learning Center, the SWHS nursery school program. Interacting with children, electronic journal writing, long term projects, and producing lessons are integral parts of the Child Development program.

LEADERSHIP IN CHILD CARE**CRS #0934**

1 Credit Full Year 11, 12

Prerequisite: Child Development having maintained at least a B- average or higher.

Leadership in Child Care is designed to give the student an opportunity to study the practical application of the concepts learned in Child Development. The Child Development applications such as creating lessons, electronic journal writing and longer term projects are continued; however, designing, planning, and implementing a nursery school program are emphasized. Nursery school concepts, educational theories, children's literature, program leadership, and program evaluation are also stressed. Students entering this course must value themselves as leaders or having potential to be leaders with children. These students must be responsible since they will also be helping Child Development students work with their assigned child. Students wishing to enroll in this course should first speak with the teacher to best understand expectations for providing effective leadership. Career options in child study are also investigated. (Students completing this course may earn 3 college credits in the College Career Pathways program at Manchester Community College.)

INDEPENDENT STUDY IN CHILD CARE**CRS #0929**

11, 12 (By Arrangement)

This course is designed for the student who has excelled in previous child care courses and is considering a child-oriented career. A student in Independent Study in Child Care will take a leadership role in the other child development classes. Students will be encouraged to set up an independent study project which might include observation of other nursery school programs. Arrangements concerning level, credit, etc., must be determined prior to approval.

PRINCIPLES OF FOOD PREPARATION**CRS #0607**

½ Credit One Semester 9, 10, 11, 12

This course introduces students to food-preparation techniques and procedures in a commercial kitchen environment. Emphasis is placed on the use of equipment, identification of a standard quality product, and the importance of methods by which to develop sanitary working habits.

PRINCIPLES OF FOOD PREPARATION II**CRS #0631**

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Principles of Food Preparation

In this course, students continue their study of food preparation techniques in a commercial kitchen. Students will learn to prepare specialty appetizers and garnishes, sauces and gravies, yeast dough products, and meats. Students will develop food service experience by preparing menus and planning dining events.

PRINCIPLES OF BAKING**CRS #0608**

½ Credit One Semester 9, 10, 11, 12

This course introduces students to baking and pastry with intensive hands-on training in a commercial kitchen environment. Students concentrate on the production and quality control of baked goods that are used in hotels, restaurants, resorts, and other institutions. Units of study emphasize basic ingredients and production techniques for breads, rolls, folded doughs, batters, basic cakes, pies, and creams.

PRINCIPLES OF BAKING II**CRS #0622**

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Principles of Baking

In this course, students will practice advanced baking techniques and prepare a variety of desserts. Units of study include specialty chocolate desserts and candy, custards, tarts, macarons, and glazes. Students will also practice plating and presentation techniques to meet high food service standards.

LITERACY/ENGLISH LANGUAGE ARTS

English courses for each grade provide similar challenges for students to be reflective, critical, and inventive thinkers through reading and writing experiences. The academic ability levels vary in regard to sophistication of texts, structure of assignments, and independent work expected.

FIRST YEAR ENGLISH**CRS #0114**

1 Credit Full Year 9

This course explores the subtleties and layers of the question "Who am I?" Several texts are analyzed, including novels, short stories, and poems. Students will be encouraged to question, interpret, and make judgments about texts with increasing independence. They will also use writing as both a way to learn and as a means of expression. Emphasis will be on developing response statements and then transforming response statements into essays. With both literature and writing, students will become familiar with collaboration as a strategy for learning.

FIRST YEAR HONORS ENGLISH**HONORS CRS #0116**

1 Credit Full Year 9

This course introduces students to reading and writing strategies, which are necessary for developing interpretive skills. Students learn to understand and appreciate major literary genres (novel, short story, essay, drama and poetry) by reading various samples of each and by creating works of their own in various genres. They also will utilize their response statements about literature as foundations for interpretive and exploratory essays. A high degree of independence will be expected.

THE MODERN WORLD: AN INTERDISCIPLINARY SEMINAR**HONORS CRS #0186/#0416**

2 Credits Full year 9 (1 Credit English, 1 Credit Social Studies)

This integrated Social Studies and English course will use brain-based research instructional strategies empowering students to access content and apply twenty-first century critical thinking, problem solving, research, collaborative and technological skills to their learning. Projects will be designed by students and presentations will be required. This course is offered by teacher recommendation only.

HUMANITIES**CRS #0103/#0104**

2 Credits Full Year 9 (1 Credit English, 1 Credit Social Studies)

This course offers students the opportunity to receive strategic instruction in literacy skills according to their individual needs. It is focused on the reading, writing and responding to fiction and non-fiction texts required by the Common Core State Standards for English Language Arts. Students will spend approximately half of their time working with a variety of texts which support the Modern World History curriculum and the other half working on skills and concepts within the ninth grade language arts curriculum. This course is offered by teacher recommendation only.

AMERICAN LITERATURE**CRS #0123
HONORS CRS #0124**

1 Credit Full Year 10

Students studying American literature are given the opportunity to discover, broaden, and evaluate perspectives on American ideas, culture, history, and language. This course will emphasize: increasing students' knowledge of interpretive strategies and developing more proficient, artful, self-directed use of these strategies; increasing students' fluency with language and greater independence in their written work; providing students opportunities to think in various ways and to write in various forms with emphasis on narrative, expository and argumentative writing; encouraging students to have a democratic mind; fostering students' understanding of the interconnectedness of reading, writing and collaborating; and on building students' self-esteem through the accomplishment of both scaffolded and independent intellectual endeavors. (For honors level, a high degree of independence and scholarship will be expected.)

AMERICAN STUDIES**CRS #0184/#0414**

2 Credits Full Year 10 (1 Credit English, 1 Credit Social Studies)

This course offers designated students the opportunity to be instructed strategically in literacy skills according to their individual needs. It is focused on the reading, writing and responding to fiction and non-fiction texts required by the Common Core State Standards for English Language Arts. Students will spend approximately half of their time working with a variety of texts which support the U.S. History curriculum and the other have working on skills and concepts within the tenth grade language arts curriculum. This course is offered by teacher recommendation only.

THEMES IN WORLD LITERATURE**CRS #0135
HONORS CRS #0133**

1 Credit Full Year 11

Students studying World Literature will encounter challenging texts and ideas from around the world, which represent Western and non-Western thought. Through their work with fictional and non-fictional texts, students analyze ideas which are particular to individual cultures and questions common to all cultures. This course requires students to consider and construct themes in order to explore multiple perspectives of an issue and to think in increasingly open

and sophisticated ways as they develop their own interpretations and philosophical positions. Students will improve their proficiency with language by strengthening and augmenting their reading and writing strategies. Additionally, an emphasis on responsible scholarship and research leads to independent class presentations and formally documented written work. (The Honors level course requires a high degree of scholarship and independence.)

AP LANGUAGE AND COMPOSITION

CRS #0145

1 Credit Full Year 11

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Summer reading and writing are required. At the end of the course, students will take the Advanced Placement Test. Successful work at the honors level in previous years recommended. All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit. Although this states for grade 11, grade 12 students are also welcome to take this course if space is available. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

SENIOR HONORS ENGLISH

HONORS CRS #0185

1 Credit Full Year 12

This course examines the power of story within our personal lives and within cultural contexts and also explores how we read our world. Students are required to be involved learners and critical thinkers who welcome the opportunity to expand their literary base by engaging with provocative, sophisticated literary texts in intellectually challenging ways as readers, writers, and collaborators. Students who enroll in this course must be highly motivated and must be seeking an in-depth, scholarly experience. Students will write a senior honors thesis. (*Students completing this course may earn 3 college credits in the College Career Pathways program at Manchester Community College.*)

AP LITERATURE AND COMPOSITION

CRS #0144

1 Credit Full Year 12

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. At the end of the course, students will take the Advanced Placement Test. Successful work at the honors level in previous years recommended. All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit. Although this states for grade 12, grade 11 students are also welcome to take the course if space is available. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

RHETORIC, LANGUAGE, AND CULTURE

CRS #0156

½ Credit First Semester 12

The major goal of this course is to help students use the English language with clarity and precision and to broaden their stylistic fluency as writers. Through writing, speaking, and reading experiences, students will practice using language in its various functions, develop an appreciation for the power of language, improve language skills for critical thinking, increase their facility with standard English, and become aware of language as a product and shaper of culture.

MATHEMATICS

The Mathematics Department offers four years of courses to suit all students' needs and abilities. The Mathematics Program utilizes a standards based approach that reflects a balance between the development of conceptual understandings and procedural skills allowing students to apply and communicate their mathematical knowledge. Students demonstrate intellectual curiosity and academic growth while gathering, assessing and analyzing information to solve real world problems. In Grades 9-12, students encounter new classes surrounding functions, geometric perspectives and new ways of analyzing data. They begin to understand aspects of mathematical form and structure and see the interplay of algebra, geometry, probability and statistics, discrete mathematics, and various ways that mathematical phenomena can be represented.

- The **College Preparatory Sequence** offers an in-depth study of the processes of algebra, geometry and trigonometry. Broad concepts are explored and the techniques of analysis and synthesis are developed. These courses offer a thorough preparation for mathematics based college studies. A typical sequence might be: Algebra I, Geometry, Algebra II, Trigonometry, Pre-Calculus, and Calculus and/or math electives.
- The **Honors Sequence (H)** offers students with superior mathematical ability opportunities for challenge and enrichment. The topics range from algebra, geometry, trigonometry, and calculus; these topics are covered with great depth and rigor. A typical sequence might be: Honors Algebra I, Honors Geometry, Honors Algebra II with Trig, Honors Pre-Calculus, AP Calculus and/or AP Statistics.

Criteria for student placement will be based on final course grades in prerequisite courses which are determined by classroom performance, midterm exams, final exams, the Scholastic Math Inventory (SMI) and other course readiness assessments may be used when appropriate. **Please note that there required prerequisite final course grades to be recommended to the next course in a sequence.** A teacher may recommend a different course placement according to professional judgment. If a parent/guardian disagrees with a teacher recommendation, he/she **must** contact the school counselor to initiate a *Change of Placement Request Form* and also discuss the reason for the request with the current teacher. **ALL placement change requests must go through a review process by the K-12 Mathematics Curriculum Specialist.**

Calculator statement: While calculators are available for use at SWHS, it is **highly recommended** that students obtain a calculator of their own and use it regularly. It is essential that students use a calculator with which they are familiar when taking the PSAT and SAT exams. While a scientific calculator will meet most of their needs, a graphing calculator is recommended for the SAT Mathematics subject area tests. We recommend the TI-84 if purchasing a graphing calculator.

INTEGRATED MATHEMATICS I

CRS #0203

1 Credit

Full Year

9

This course is designed to provide students with a basic understanding of linear relationships by applying linear models to data. The primary focus is on an extension of geometric reasoning while integrating algebra. This is the first course in a two-year sequence. Students who complete this course then progress to Integrated Mathematics II. The completion of both Integrated Math I and II is needed to have the equivalent of Algebra I and Geometry. Requires approval by the K-12 Mathematics Curriculum Specialist.

ALGEBRA I**CRS #0231**

1 Credit Full Year 9, 10

Prerequisite: Grade 8 Pre-Algebra (C- or better)

This course integrates geometry, statistics, and probability into the study of algebra. Topics covered include: an analysis of linear equations, inequalities, and systems of equations and inequalities. Also studied are the operations on polynomials, solving rational equations, and an introduction to working with functions. Reading and problem solving are emphasized throughout the year. Students will use TI-83/84 graphing calculators.

MATHEMATICAL PROBLEM SOLVING LAB**CRS #0207**

1 Credit Full Year 9 (recommendation by K-12 Math Curriculum Specialist only)

This course will provide instruction and support for students taking Algebra I with weak prerequisite skills to enhance their accessibility of the Algebra 1 course curriculum. An emphasis will be placed on instruction using modeling, manipulatives, and real-life applications. Targeted instruction through the use of the Scholastic Math Inventory will be utilized as well as a computer based multi-modal algebra program and other online resources.

ALGEBRA I (H)**CRS #0237**

1 Credit Full Year 9

Prerequisite: Grade 8 Algebra I (C+ or better); Pre-Algebra (A or better)

This course is designed for students who have demonstrated a strong ability in previous mathematics courses and who wish to pursue upper-level mathematics courses throughout their academic career. In addition to the topics covered in the regular Algebra 1 course, the honors section studies mathematical modeling, trigonometry, and calculator applications.

GEOMETRY ESSENTIALS**CRS #0213**

1 Credit Full Year 10, 11

Prerequisite: Algebra I (pass Algebra 1 and/or approval by the K-12 Mathematics Curriculum Specialist)

This course offers a hands-on discovery approach to Geometry, stressing geometric properties through investigations. There is an emphasis on practical applications as well as the fundamental skills of non-coordinate, coordinate, and transformational geometry.

GEOMETRY**CRS #0233**

1 Credit Full Year 9, 10, 11

Prerequisite: Algebra I (C- or better to be recommended) Grade 8 Algebra 1 (B- or better to be recommended)

This course offers the student an opportunity to learn the fundamental skills of Euclidian geometry through non-coordinate, coordinate, and transformational geometry. It continues and reinforces the algebraic skills. Deductive and inductive reasoning skills are developed and the formation of logical ideas, methods, and proofs are explored. Emphasis is placed on inductive reasoning skills.

GEOMETRY (H)**CRS #0243**

1 Credit Full Year 9, 10

Prerequisite: Grade 8 Algebra 1 or Algebra I Honors (A- or better to be recommended)

In this course, deductive and inductive techniques are used to help students make conjectures, formulate generalizations, and draw conclusions. The topics explored include parallelism, perpendicularity, similarity and congruence of polygons, characteristics of circles, the surface area and volume of solid figures, and the introduction to right triangle trigonometry. Strong emphasis placed on deductive proof-based reasoning. Students will use TI-83/84 graphing calculators.

INTEGRATED MATHEMATICS II**CRS # 0260**

1 Credit Full Year 10

Prerequisite: Pass Integrated Math I or approval by the K-12 Mathematics Curriculum Specialist

This course is the second in the integrated series. It is designed to provide students with a deeper understanding of algebraic and geometric reasoning. Opportunities are provided to allow students to extend their understanding of linear and quadratic functions. Students will use TI-83/84 graphing calculators. Upon completion of Integrated II, students considering participation in Division I or II NCAA athletics should enroll in Algebra I to begin meeting NCAA Clearinghouse Requirements.

ALGEBRA II FOUNDATIONS**CRS #0209**

1 Credit Full Year 11, 12

Prerequisite: Pass Integrated Math II and/or approval by the K-12 Mathematics Curriculum Specialist

This course is designed to provide students with an advanced understanding of algebraic reasoning. Opportunities are provided to allow students to extend their understanding of quadratic functions and systems of linear equations. There will be an emphasis on the topics included on the Scholastic Aptitude Test (SAT). The purpose of the course is to integrate Algebra II and graphic representation through modeling functions in a modified format to better prepare students for the SAT. Students will use TI-83/84 graphing calculators.

ALGEBRA II**CRS #0232**

1 Credit Full Year 10, 11, 12

Prerequisite: C- or better in Algebra I plus recommendation of Geometry teacher

This course is designed to provide students with the skill to manipulate systems of linear equations, linear, quadratic and exponential expressions and equations. Students will study them for their abstract properties and use them as tools for modeling real-world situations. Students will use TI 83/84 graphing calculators to solve real-life application problems. Trigonometry is not covered in this course, therefore students should take the one semester Trigonometry course upon completion of Algebra II.

ALGEBRA II WITH TRIGONOMETRY**CRS #0239**

1 Credit Full Year 10, 11, 12

Prerequisite: C+ or better in Algebra I plus recommendation of Geometry teacher

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand their abilities to model situations and to solve equations, including quadratic equations, complex numbers and solving exponential equations using the properties of logarithms. TI 83/84 graphing calculators are used throughout the course. Students will be introduced to the concepts of trigonometric functions. MCC Tech Prep credit available.

ALGEBRA II WITH TRIGONOMETRY (H)**CRS #0240**

1 Credit Full Year 9, 10, 11, 12

Prerequisite: A- or better in Grade 8 Algebra, Algebra I or Algebra I Honors plus recommendation of Geometry teacher.

This course contains all of the material of the Algebra II with Trigonometry course prescribed for College Prep, plus extension of matrix algebra, complex numbers, and conic sections. Topics are extended to include applications of highly developed skills and sophisticated understanding of trigonometry. Mathematical models will be created by students in order to solve problems relating to phenomena in the real world. TI 83/84 graphing calculators are used throughout the course. MCC Tech Prep credit available.

PRE-CALCULUS**CRS #0235**

1 Credit Full Year 11, 12

Prerequisite: Algebra II and a semester of Trigonometry (A- or better in both) OR Algebra II w/ Trig (C+ or better)

This course integrates the study of functions, statistics, and trigonometry. The emphasis of study is the development and understanding of mathematical models: exponential, logarithmic, rational, trigonometric, and polynomial. Students will represent complex numbers and their operations on a complex plane. This course previews calculus with an introduction to limits and provides the student the background to continue their study of mathematics beyond high school. TI 83/84 graphing calculators are used throughout this course.

PRE-CALCULUS (H)**CRS #0238**

1 Credit Full Year 11, 12

Prerequisite: Algebra II w/Trig Honors (B- or better) OR Algebra II w/ Trig (A- or better and successful completion of summer contract)

This is an intensive course in the concept of functions: definitions, graphs, inverses, exponential, and logarithmic functions, with the emphasis on trigonometric functions and their application to real-world situations. This course previews calculus with a study of limits, introduction to derivatives and integrals, and sets the stage for the later study of college-level mathematics. TI 83/84 graphing calculators are used throughout this course.

CALCULUS (H)**CRS #0247**

1 Credit Full Year 12

Prerequisite: Pre-Calculus (B- or better to be recommended)

This course is designed to provide a college-level Calculus I experience. Students will review and consolidate many pre-calculus topics. Conic sections from analytic geometry, and a review and extension of work done in trigonometry are part of this experience. This course covers derivatives and extends up to integration by parts. Labs will be used to enable students to develop and enrich classroom activities. TI 83/84 Graphing calculators are used throughout this course.

AP CALCULUS**CRS #0246**

1 Credit Full Year 12

Prerequisite: Honors Pre-Calculus (B- or better to be recommended)

Differentiation and integration of algebraic and transcendental functions are covered through integration by parts. Students are introduced to differential equations from an intuitive perspective. Concepts are emphasized in this course while skills are developed and ideas are applied to many problems. To help students visualize the concepts of calculus, TI 83/84 graphing calculators are essential to this course. Please refer to pages 6 and 7 for more information about AP courses. Participation in the Advanced Placement exam is an expectation of this course.

AP STATISTICS**CRS #0250**

1 Credit Full Year 11, 12

Prerequisite: Honors Pre-Calculus (C+ or better) OR Pre-Calculus (B or better) OR Algebra II w/ Trig Honors (B+ or better)

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will study four broad conceptual themes: exploring data, planning a study, anticipating patterns and statistical inference. TI 83/84 graphing calculators and computers will be utilized in data analysis and simulation throughout the course. Participation in the Advanced Placement exam is an expectation of this course. Please refer to pages 6 and 7 for more information about AP courses.

ADVANCED MATHEMATICAL DECISION MAKING**CRS #0253**

½ Credit One Semester 11, 12

Prerequisite: Algebra II

This course is designed to teach students how to use quantitative tools to solve problems in applied situations. This course engages students in relevant problems and prepares them for higher education and the workplace.

FINANCIAL MATHEMATICS PART 1**CRS #0204**

½ Credit One Semester 11, 12

This course is designed to assist students in making the transition to financial literacy in the 21st century. Topics covered include: Bank Statements, Borrowing Money, Budgets, Checking Accounts, Credit, and Dining Out. This course stresses student involvement in gathering financial information as well as the computational aspects of determining where one's money goes.

FINANCIAL MATHEMATICS PART 2**CRS #0261**

½ Credit One Semester 11, 12

MUSIC

Students will perform in at least two concerts throughout the year. **Attendance at all scheduled performances/concerts is required for academic credit.** In addition, some performance ensembles will participate in local or national adjudicated music festivals, regional competitions and/or workshops on an annual or biennial basis. If applicable, students are expected to pay for their own room and board. The school will provide some transportation expenses. Group fundraising opportunities are available. Members of all ensembles will incur expenses like, but not limited to, costumes and travel. Students enrolled in elite ensembles (Choral Spectrum, Wind Ensemble, Treble Choir, or Chamber Symphony Orchestra) may, with permission of the instructor, enroll in honors level courses their junior and/or senior year.

Vocal Ensembles

CHORAL SPECTRUM

CRS #0831

HONORS (11TH AND 12TH GRADE) CRS #0823

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Participation is by **audition only**. Auditions take place in January.

Choral Spectrum is an auditioned group comprised of approximately 36 singers. Placement in Choral Spectrum will be by audition only. Auditions take place in January. Repertoire will be chosen from various periods of music history with some songs choreographed by a professional choreographer. Three major concerts are usually presented each year, along with other selected performances. Attendance at all scheduled performances is expected for academic credit. Students will compete and/or perform in regional competitions, festivals, and/or workshops. Members of this ensemble will incur expenses like but not limited to costumes and travel. **All students in this class also must enroll in Smart Music. Go to www.smartmusic.com for details.**

TREBLE CHOIR

CRS #0822

HONORS (11TH AND 12TH GRADE) CRS #0825

1 Credit Full Year 10, 11, 12

Prerequisite: Participation is by audition only. Auditions take place in January.

Treble Choir is an auditioned group of approximately 20-30 female singers. Placement in Treble Choir will be by audition that takes place in January. Repertoire will be chosen from all periods of music history. Two to three major concerts are normally presented each year, along with other selected performances. Students may compete and/or perform in regional competitions, festivals, and/or workshops. Attendance at all scheduled performances is expected for academic credit. Members of this ensemble will incur expenses like, but not limited to, costumes and travel. **All students in this class also must enroll in Smart Music. Go to www.smartmusic.com for details.**

"SOUND FACTORY" CONCERT CHORUS

CRS #0820

1 Credit Full Year 9, 10, 11, 12

Sound Factory is open to all students regardless of musical background or experience. Students will expand their knowledge and appreciation of the best examples of all styles and forms of choral literature. Students will learn basic music theory to develop their music reading skills. Vocal production will be emphasized. Two to three major concerts are normally presented each year. Attendance at all scheduled performances is expected for academic credit. Sound

Factory participation promotes teamwork and self-esteem and offers instruction to enable students to acquire skills and techniques necessary for effective musical expression. Unison, two, three, and four part music is performed including arrangements of classical, folk, jazz, show and popular songs. Students who are interested in developing a positive attitude and self-confidence and who enjoy working as a member of a team are encouraged to enroll in this course.

Instrumental Ensembles

Students will perform in two concerts throughout the year. **Attendance at all scheduled performances is required for academic credit.** In addition, some performance ensembles will participate in local or national adjudicated music festivals, competitions and/or workshops on an annual or biennial basis. If applicable, students are expected to pay for their own room and board. The school will provide some transportation expenses. Fundraising opportunities are available and encouraged. Students enrolled in elite ensembles (Choral Spectrum, Wind Ensemble, Treble Choir, or Chamber Symphony Orchestra) may, with permission of the instructor, enroll in honors level courses their junior and/or senior year.

Students who participate in Instrumental Ensembles will need to purchase a year subscription to "SMARTMUSIC." Each student will be given individualized instruction through this software. Weekly assignments will be assigned through SMARTMUSIC .

SYMPHONIC BAND

CRS #0826

1 Credit Full Year 9, 10, 11, 12

This ensemble is geared toward proficient woodwind, brass, and percussion players. Students will concentrate on the basics of high school ensemble skills, aural skills, individual playing techniques, practice strategies, and effective musical expression, while preparing repertoire for the concert season. Attention is focused on the accurate and musical performance of standard band repertoire. Students may be recommended by the director for entrance into the Wind Ensemble based on their progress and the results of their midterm exam (both of which will act as their audition) as well as to balance the needs of the Wind Ensemble. **SMARTMUSIC required.**

WIND ENSEMBLE

CRS #0841

HONORS (11TH AND 12TH GRADE) CRS #0827

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Enrollment is available by **Audition Only**. Auditions will be held in January

Open to advanced woodwind, brass, and percussion players by audition (or instructor permission) only. Students will concentrate on the development of ensemble skills, aural skills, individual playing techniques, and effective musical expression while preparing advanced repertoire for the concert season. Attention is focused on advanced repertoire, new music and classical transcriptions for wind ensemble and symphonic band. **SMARTMUSIC required.**

STRING ORCHESTRA

CRS #0817

1 Credit Full Year 9, 10, 11, 12

This ensemble is geared toward proficient violin, viola, cello, and double bass string players. Students will meet as a large ensemble during the regularly scheduled period. Students will concentrate on the basics of high school ensemble skills, aural skills, individual playing techniques, practice strategies, and effective musical expression while preparing repertoire for the concert season. Attention is focused on the accurate and musical performance of standard string repertoire. Students are recommended by the director for entrance into the Chamber Symphony Orchestra based on their progress, midterm exam (both of which will act as their auditions) and to balance the needs of the Chamber Orchestra. **SMARTMUSIC required.**

CHAMBER SYMPHONY ORCHESTRA**CRS #0842****HONORS (11TH AND 12TH GRADE) CRS #0838**

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Enrollment is available by **Audition Only**.

This ensemble is open to advanced string players violin, viola, cello, and double bass by audition (or instructor permission) only. Students will meet as a large ensemble during the regularly scheduled period. Students will concentrate on the development of ensemble skills, aural skills, individual playing techniques, practice strategies and effective musical expression, while preparing advanced repertoire for the concert season. **SMARTMUSIC required.**

Other Music Electives

THEATER MANAGEMENT I**CRS #0848**

½ Credit One Semester 9, 10, 11, 12

This course focuses on providing students with the knowledge necessary to operate a theater. Students will provide technical support for the sound and lighting systems; learn about the stage “fly system”, manage ticket sales; make equipment set-ups and take downs; and coordinate stage uses with school, community and professional organizations. Students will be expected to work outside scheduled classes, providing technical support for various concerts and shows presented at the high school, as well as support for South Windsor High School classes using the theater. This course is a prerequisite for Theater Management II.

THEATER MANAGEMENT II**CRS #0850**

1 Credit Full Year 10, 11, 12

Prerequisite: Placement exam and passage of Theater Management I with a grade of A- or instructor permission.

This course focuses students on applying technical knowledge learned in Theater Management I. Students will provide technical support for the sound and lighting systems; operate the stage “fly system,” manage ticket sales, make equipment set-ups and take downs; and coordinate stage uses with school, community and professional organizations. Students will be expected to work outside scheduled classes, providing technical support for various concerts and shows presented at the high school, as well as support for South Windsor High School classes using the theater. This course may be repeated for credit.

ELECTRIC GUITAR CLASS**CRS #0804**

½ Credit One Semester 9, 10, 11, 12

This class is intended for guitar students with any level of musical experience and focuses on teaching the skills needed to be life-long independent musicians. The lessons range from single-note melodies and simple chord strumming to rock and jazz solo with improvisation techniques. Student instruction incorporates cutting edge video and computer technology, allowing students to progress at their own pace and preparing students to create music, collaborate, record, and compose using the tools of the 21st century. This class runs concurrently with Digital Audio Editing. Students are encouraged to collaborate with Digital Audio students in an exchange of skills and creativity.

PIANO KEYBOARDING**CRS #0802**

½ Credit One Semester 9, 10, 11, 12

Piano keyboard class is offered to any level of playing from beginner to intermediate player. The course will be taught in our lab with each student developing a performance path for the semester.

BRASS CLASS

CRS #0805

½ Credit One Semester 9, 10, 11, 12

Open to students 9-12 who wish to learn to play trumpet, French horn, trombone, euphonium or tuba. Students may have no previous band experience or may have played a different instrument before. This class does not perform in a concert but can prepare students for entry into Symphonic Band in the future. **Students will be responsible for renting or owning a trumpet, French horn, trombone or euphonium. If a student plays tuba one will be provided. Smart Music is a requirement for this course.**

WOODWIND CLASS

CRS #0806

½ Credit One Semester 9, 10, 11, 12

Open to students 9-12 who wish to learn to play flute, clarinet or saxophone. Students may have no previous band experience or may have played a different instrument before. This class does not perform in a concert but can prepare students for entry into Symphonic Band in the next semester. **Students are responsible for renting or owning a flute, clarinet or saxophone. Smart Music is a requirement for this course.**

ELECTRONIC MUSIC COMPOSITION

CRS #0807

½ Credit One Semester 9, 10, 11, 12

This class is intended for students interested in the world of MIDI and audio recording. No musical background is necessary. Students will explore various software programs that allow them to compose, arrange and perform music. Projects include, “Custom Synth Creation”, “Podcast” and “Music/Sound Effects for Movie Trailers”. The lab is equipped with MIDI drums, MIDI Keyboards and MIDI guitars. This class runs concurrently with Guitar Class. Students are encouraged to collaborate with Guitar students in an exchange of skills and creativity. No prior experience in music is required.

MUSIC THROUGH THE AGES

CRS #0803

½ Credit One Semester 10, 11, 12

This course will cover the origins of music as it relates to human evolution. It will cover many styles and cultures of music through time as well as some of the key composers and pieces that have left their mark on our human history.

MUSIC THEORY

CRS #0811

½ Credit Full Year 10, 11, 12

The first level of music theory is to develop theoretical musical skills through analysis, ear training and composition. It is prerequisite for AP Music Theory. Students interested in this course should speak with a member of the music department prior to selecting the course.

AP MUSIC THEORY**CRS #0812**

1 Credit Full Year 11, 12

The second level of music theory is offered by teacher recommendation only. Emphasis is placed on the in depth study of 18th century counterpoint and harmonic practice, advanced ear training and composition. This is a comprehensive, advanced music offering and is the equivalent of a college level music theory course. Students receive AP credit, and take the Advanced Placement exam in the spring. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

PHYSICAL EDUCATION AND HEALTH

PHYSICAL EDUCATION I**CRS #0980**

½ Credit One Semester 9

All 9th graders are required to take this course. The course focuses on health-related fitness, skill development for lifetime activities, social skills and self-discipline.

PHYSICAL EDUCATION II**CRS #0981**

½ Credit One Semester 10

Prerequisite: Physical Fitness I

This is a required course designed for sophomores. This course focuses on health related fitness, skill development for lifetime activities, social skills and self-discipline. Students will also receive Red Cross training in CPR and AED.

FITNESS AND NUTRITION**CRS #0987**

½ Credit One Semester 11, 12

This course is an elective for students who have fulfilled their PE I and PEII requirements. This course requires personal fitness training and looks at nutrition as it relates to fitness.

RACQUET SPORTS**CRS #0988**

½ Credit One Semester 11, 12

This course is an elective for students who have fulfilled their PE I and PE II requirements. The focus will be entirely on racquet sports such as tennis, badminton, pickle ball, eclipse ball, and table tennis

DANCE**CRS #0990**

½ Credit One Semester 10, 11, 12

This course is an elective for students who have fulfilled their PE I requirement. This course can be substituted by sophomores to fulfill the PE II requirement. Students will learn various dance styles that may include, but are not limited to: Jazz, Hip Hop, Ballet and Ballroom Dancing.

UNIFIED SPORTS**CRS #0029**

½ Credit One Semester 10, 11, 12

Unified Sports is an inclusive sports program that unites Special Olympics athletes (individuals with intellectual disabilities) and partners (individuals without intellectual disabilities) as teammates for training and competition. This course meets each day for the partners while the athletes will take part in class two of the four days. Partner students will research varying types of intellectual disabilities while planning and implementing physically and intellectually appropriate activities for athletes. This course also incorporates several “game” where Athletes/Partners travel to take part in game play competing against other schools who sponsor Unified Sports.

TEAM SPORTS**CRS #0901**

½ Credit One Semester 11, 12

This course is an elective for students who have fulfilled their PE I and PE II requirements. This course is designed for students interested in learning the skills and strategies of team sports, and will provide opportunities to participate in game play. The course will also allow students to explore future careers as a coach or teacher.

STRENGTH AND CONDITIONING**CRS #0996**

½ Credit One Semester 11, 12

This course is an elective for students who have fulfilled their PE I and PE II requirements. This course is designed to provide students with an opportunity to develop fitness through weight training, circuit training, plyometrics and core strengthening. Speed, agility, and flexibility training will also be introduced. The focus will be on lifelong fitness and specific sports training.

Health

These courses emphasize self-awareness, life skills, and the broad realm of interpersonal relationships.

SOPHOMORE HEALTH**CRS #0985**

½ Credit One Semester 10

All sophomores are required to take this course. Students will learn constructive skills to improve their overall quality of health. Studies will include mental health, conflict management, growth and development, disease prevention, substance abuse education, nutrition and consumer health.

FUTURE PARENTING**CRS #0940**

½ Credit One Semester 11, 12

This course is designed to help students clarify the responsibilities of becoming future parents. Students will study the characteristics of a healthy relationship, the different make up of families. The course will also cover issues such as fetal development, fertility, prenatal care, birth, and the stages of child development. The impact of effective and ineffective parenting skills on child development will also be studied. The students will also take part in the baby think it over baby simulator program.

BASIC LIFE SUPPORT FOR HEALTHCARE PROVIDERS**CRS #0997**

½ Credit	One Semester	11, 12
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This course is for students interested in the Allied Health field such as nursing, physician, physical therapy along with other careers in safety and emergency care including but not limited to: Emergency Medical Services (EMT, police, fire), athletic training, military, child care, lifeguarding. Students will be trained in both the cognitive and practical skills/curriculum of the American Heart Association (AHA) Advanced CPR and AED training for Adults, Children and Infants. Also, the students will be trained in AHA Basic First aid skills along with the addition of several advanced first aid techniques, skills. Upon completion of the required written and skills exams, students will be able to earn and purchase certification cards in both Advanced CPR (BLS for the Healthcare provider) and basic First Aid.

SPORTS MEDICINE**CRS #0983**

½ Credit	One Semester	11, 12
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This course provides an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise.

DISEASE PREVENTION**CRS #0938**

½ Credit	One Semester	11, 12
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Prerequisite: Sophomore Health

This course is designed for the student who would like to learn about the prevention of diseases that can have debilitating and damaging effects on the human body. Topics to be covered include: chronic vs acute diseases, human immune system, allergies, common cold, sexually transmitted infections, cancers (heredity and lifestyle), diabetes, circulatory and respiratory diseases, hypertension, asthma, obesity, and nutrition, current local and global trends, Lyme disease, arthritis and anemia. Course work will integrate lecture, discussion, activities, and some experiments. This course is recommended for students interested in pursuing a medical profession such as nursing, physician or allied health.

SENIOR SEMINAR**CRS #0998**

½ Credit	One Semester	12
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Senior Seminar is a comprehensive semester elective course for all 12th grade students at South Windsor High School. In this course students' will continuously process, build and file their own attitudes, needs, expectations, and plans for life after high school. The foundation of this course is based in student self-reflection, identification, and directed self-improvement. The course focus is a multifaceted course that will require students to actively inquire and investigate life after SWHS. Topics included, but are not limited to, personal wellness, post-secondary educational opportunities, self-belief and motivation, decision making, public speaking and interviewing skills, financial wellness, time management, communication, mindfulness, as well as current events and their impact on our lives.

SCIENCE

Graduation requirements for all students are as follows:

3 credits in Science, including at least 1 credit in Life Science (Biology); and 1 credit in Physical Science. Courses are aligned with the state and national science frameworks to prepare students for the Next Generation Science State Assessment. **All 9th grade students are required to complete Physical Science.** It is recommended that students take Biology during their sophomore year and Chemistry during their junior year to fully prepare for the state assessment in grade 11. Each student, with the assistance of his/her school counselor and parents, should select a series of science courses that meets the above requirements and best serves his/her interests and plans.

Biological Science Courses

BIOLOGY

CRS #0342

1 Credit Full Year 10

This course is a traditional survey of the biological fields, including ecology, cell structure, biochemistry, genetics, the structure and function of living systems, energy relationships, and human biology. Experimentation and lab work is an integral part of the course at each level. This course is recommended for grade 10 students.

BIOLOGY (H)

CRS #0343

1 Credit Full Year 10

This course is offered for highly motivated students who intend to further their education after high school in the field of science. The concepts and topics correlate to College Prep Biology, however are covered much more in depth and at a quicker pace. In order to perform satisfactorily in this course, students will be required to solve problems using higher level processing skills such as analysis and application of material and have established study skills.

AP BIOLOGY

COURSE CRS #0345

LAB CRS #0346

1.5 Credits Full Year 10, 11, 12 (Grade 10 with recommendation of current science teacher)

AP Biology is a college level science course for highly motivated students interested in the biological sciences. The two main goals for AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The following major themes will be studied: molecular and cell biology, heredity, genetics, the diversity of organisms, the structure and function of plants and animals, and population biology. Students taking AP Biology will participate in two double lab periods per week. All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.

*INTRODUCTION TO ALLIED HEALTH – ALLIED HEALTH I

CRS #0369

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Biology

This course is designed as a survey course of the field of Allied Health. This course will focus on a variety of health care professions and the ailments associated with those areas. Patient care practices, ethical and legal issues, educational requirements and employment opportunities will be explored. This course is recommended for students interested in pursuing a medical profession such as nursing, physician, physical therapists or other allied health professions.

ANATOMY AND PHYSIOLOGY**CRS #0303**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Biology and concurrent enrollment or completion of Chemistry is required.

This course emphasizes the structure and function of the human body. The major topics to be studied include anatomical reference terminology, levels of body organization, tissues and selected organ systems from integumentary, skeletal, muscular, nervous, blood, cardiovascular, respiratory, digestive, urinary, endocrine, and reproductive. Students have some input regarding the systems covered. This course is recommended for students interested in medicine, nursing and other health related fields.

FRESHWATER ENVIRONMENTS**CRS #0323**

½ Credit One Semester 11, 12

This course is designed to give students an understanding of the interactions between the aquatic systems of the Earth (groundwater, rivers, lakes, ponds, and associated wetlands) and human activity. Students will explore freshwater systems through direct observation, physical & biological data collection on local streams, and wetland field studies. Students will also participate in and ultimately submit data to the CT DEEP's Project SEARCH to continue our ongoing data collection on the Podunk River.

INTRODUCTION TO ZOOLOGY**CRS #0357**

½ Credit One Semester 11, 12

Introduction to Zoology is a one semester, half credit course open to junior and senior students who have taken Biology. It will take students through the basic taxonomy of vertebrate animals, focusing on various anatomical and life cycle differences, as well as outlining basic behavior of selected taxa. An emphasis will be placed on organisms students are likely to encounter in their daily lives, as opposed to exotic species.

MARINE SCIENCE (ECE)**CRS #0337**

1 Credit Full Year 12

Prerequisites: Successful completion of Biology and Chemistry or permission from the instructor.

Marine Science is designed to provide students with an in-depth study of marine organisms and their environment. Topics include but are not limited to comparative anatomy through dissection, marine chemistry, marine geology, marine circulation and tides, coastal ecology, aquaculture, and marine environmental policy. Students will maintain living organisms in aquaria, keep a detailed logbook of their progress, create experiments, and produce a portfolio of student work. There will be six (6) required dissections during the course. There are multiple field trips to collect data for a multiyear study. Additional optional field trips may be offered. Students who are enrolled in the ECE program and achieve a grade of "C" or higher in the course will receive credit for UCONN MARN 1003: Introduction to Oceanography with lab.

ENVIRONMENTAL SCIENCE (ECE)**CRS #0340**

1 Credit Full Year 11, 12

Environmental Science is designed to present a study of the earth's environment with a focus on sustainability and stewardship of our natural resources. Topics will include: Population & energy resource use; Ecosystems and Global biodiversity, land use and soils; Agriculture, toxicology and risk assessment; Water & Air management; Waste management; Global change; and Environmental philosophy & ethics. Students who are enrolled in the ECE program and achieve a grade of "C" or higher in the course will receive credit for UCONN NRE 1000: Introduction to Environmental Science.

Physical and Earth Science Courses

SCIENCE EXPLORATION*CRS #0305**

1 Credit Full Year 9

This course offers students the opportunity explore in depth important science skills that are incorporated into the Next Generation Science Standards (NGSS). Emphasis will be placed on identifying patterns within a system, seeing cause and effect correlations and creating models for various systems of study. This year will focus on Earth and its systems by delving into energy systems, natural resources and conceptual applications of Newton's laws and Kepler's laws. During the second semester students will partake in a summative project to showcase what they have learned about human impacts on the Earth and how science, technology and engineering can help reduce those impacts. All successful students will earn one credit in Physical/Earth Science. Please note that this course is new this year and is pending Board of Education Approval.

PHYSICAL SCIENCE**CRS #0362**

1 Credit Full Year 9

In this course, students will improve their ability to pose questions, design/perform experiments, analyze data, and develop an understanding of fundamental physical science concepts. This course will focus on a comparison of the systems found on Earth and Mars by exploring Newton's laws, Kepler's laws, energy systems and natural resources. This course will culminate with human impacts on the Earth and how science, technology, and engineering can help reduce those impacts. All successful students will earn one credit in Physical/Earth Science.

PHYSICAL SCIENCE (H)**CRS #0363**

1 Credit Full Year 9

In this course, students will improve their ability to pose questions, design/perform experiments, analyze data, and develop an understanding of fundamental physical science concepts. This course will focus on a comparison of the systems found on Earth and Mars by exploring Newton's laws, Kepler's laws, energy systems and natural resources, and human impact. In the Honors level course, students are expected to do more in-depth work, have greater mathematical ability, and think abstractly. All successful students will earn one credit in Physical/Earth Science.

ASTRONOMY**CRS #0315**

½ Credit One Semester 11, 12

This course provides students with a general survey of contemporary astronomy. The topics explored may include the origin of the universe and the solar system, stellar evolution, meteorite impacts, human space exploration, living and working in space, the colonization of Mars and the possibility of extraterrestrial life.

***CATASTROPHIC EVENTS**

CRS #0307

½ Credit One Semester 9, 10 11, 12

This course provides students with a survey of natural disasters that affect humanity. The course will focus on sciences' current understanding of these significant events, changes in methodology, and the scale/scope (i.e. population, economic, environmental) of the events through the lens of current and historical examples; including disasters that impact Connecticut. The topics explored will include current meteorological events (ex. Tornadoes, Tropical Storms), geologic events (ex. Earthquakes, Volcanoes, Tsunami) and global events (ex. Bolides, Comets, Asteroids). Students will write a disaster preparedness plan for a catastrophic event during this course. Please note that this course is new this year and is pending Board of Education Approval.

GEOLOGY

CRS #0316

½ Credit One Semester 11, 12

This course provides students with a survey of modern geologic concepts. The topics explored may include but not be limited to the study of: geologic hazards, plate tectonics, the identification of rocks and minerals, weathering and erosion, glaciations, geological history and mining for natural resources.

METEOROLOGY

CRS #0355

½ Credit One Semester 11, 12

This elective provides students with a survey of meteorological concepts and a general understanding of the phenomena we refer to as weather. The topics may include but are not limited to the study of the atmosphere, climate, changing climates, air pollution, hazardous weather, optical phenomena, and weather analysis and forecasting.

SCIENCE OLYMPIAD

CRS #0367

1 Credit Full year 9, 10, 11, 12

This course will allow a student to explore a competitive aspect of different fields of science and STEM. It will cover all areas of science. Curriculum will change yearly based on student interests in state and national competitions. Some of these competitions could include Science Olympiad, CT Science Fair, The Dupont Challenge Essay or the Intel Science Competition. Students will focus on problem solving skills, technical design, engineering skills, teamwork in an academic setting and scientific literacy skills. Students participating in this class may be eligible for the SWHS Science Olympiad team which competes at the state level.

FORENSIC SCIENCE

CRS #0335

½ Credit One Semester 11, 12

This class is designed for students with an interest in forensics. It is a multidisciplinary applied science course, which reinforces central concepts introduced in grades 9 and 10. In this course, study will focus on forensic science concepts: the ability to perform inquiry-based tasks; basic criminal law; crime scene investigation; DNA analysis and blood typing; examining evidence; fingerprinting; science and humanity; and the nature of toxins. The primary emphasis will be to develop understanding of these concepts through hands-on, field inquiry.

CONSUMER CHEMISTRY**CRS #0356**

1 Credit Full Year 11, 12

This class connects chemistry to the student's life and interests. Students will have a great deal of input over the phenomenon used to investigate the practical applications of chemistry. This is an integrated course that incorporates lectures, discussions, activities, and internet research used to explore a wide variety of topics. Past topics include: "3D cell phone projectors", antacids, painkillers, dry ice, crystal growth, Mentos and Coke, toys, volcanos, rockets, elephant toothpaste, balloons, and alchemy. No previous chemistry background is required. Students will access chemistry primarily through engineering and modeling, while limiting the need for mathematics. Due to the general nature of this class, it should not be considered a replacement for chemistry.

CHEMISTRY**CRS #0311**

1 Credit Full Year 11, 12

Prerequisite: Completed or concurrent enrollment in Algebra II or recommendation of current science teacher

This introductory course deals with the basic theoretical and experimental principles of chemistry. Topics of study include the states of matter and their characteristics, atomic structure, bonding, gas laws, writing formulas and chemical equations, chemical calculations (Stoichiometry) and the mole concept, reaction rate and equilibrium, and acid/base theory. Lab activities are an integral part of the course.

CHEMISTRY (H)**CRS #0312**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Algebra II w/ Trigonometry or recommendation of current science teacher

This course is a detailed study of theoretical and experimental principles of chemistry with an emphasis on the quantitative (mathematical) interpretation of the material covered. In-depth coverage of the following topics makes up the course of study: measurements and calculations, atomic structure, bonding, chemical calculations and the mole concept, kinetic molecular model for the behavior of gases, phases and phase changes of matter, chemical formulas and reactions, chemistry of solutions, chemical kinetics, chemical equilibrium, acid and base theory, and an introduction to oxidation-reduction chemistry. Lab activities involving student participation in the design of the lab procedures emphasize a practical application of the textbook material.

AP CHEMISTRY**COURSE CRS #0347****LAB CRS #0348**

1.5 Credits Full Year 11, 12

Prerequisite: Successful completion of Honors Algebra II w/ Trigonometry or recommendation of current science teacher

AP Chemistry is a college level course for highly motivated students. Students taking AP Chemistry will participate in two double lab periods each week. The course is designed to prepare students for the AP Chemistry exam offered in the spring. The following major themes will be studied: atomic structure and reactivity, periodic table, acids and bases, electrochemistry, and why chemical reactions occur – chemical equilibrium, thermo chemistry and kinetics. All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.

FOOD CHEMISTRY*CRS #0370**

1 Credit Full Year 12

Prerequisite: Successful completion of Chemistry

A study of the chemical and physiochemical properties of food constituents. A comprehensive study of food components, their modification, and technology applications in food. A hands-on class with challenging readings from scientific journals. The course incorporates concepts learned in chemistry and biology in an advanced learning environment. Topics will include extraction, denaturation, and phase changes. Some of the concepts that will be explored are acids and bases in cooking, caffeine's main targets in the body and how coffee can be decaffeinated, the biochemical reason for chocolate enjoyment, and what happens if your body can't digest gluten. Each week we will do an edible experiment and look at the science behind how it works.

PHYSICS

CRS #0313

1 Credit Full Year 11, 12

Prerequisite: Algebra II-completed

This course is an in-depth study in the following areas: one and two dimensional motion, mechanical energy, wave motion and sound, light and optics, and electricity. Students will participate in a wide variety of laboratory experiences in order to develop their own models of various physical phenomena. Students will also develop problem-solving skills and apply these skills to original problems. Students who enroll in the College Career Pathways program and earn a "C" or better in this course will receive college credit from Manchester Community College, transferable to UConn and many other colleges, for Manchester Community College's introductory physics course.

PHYSICS (H)

CRS #0314

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Algebra II, completed or concurrent enrollment in Pre-Calculus and recommendation of current science teacher.

This course is an in-depth study in the following areas: one and two dimensional motion, mechanical energy, wave motion and sound, light and optics, and electricity. Students will participate in a wide variety of laboratory experiences in order to develop their own models of various physical phenomena. Students will also develop problem-solving skills and apply these skills to original problems. Students who enroll in the College Career Pathways program and earn a "C" or better in this course will receive college credit from Manchester Community College, transferable to UConn and many other colleges, for Manchester Community College's introductory physics course.

AP PHYSICS I

COURSE CRS #0358

LAB CRS #0359

1.5 Credits Full Year 12

Prerequisite: Successful completion of Pre-Calculus and recommendation of current science teacher.

AP Physics I is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound; and an introduction to electric circuits. The primary goal of the course is to develop the student's understanding of these topics through a problem-solving approach that relies on the use of algebra and trigonometry as well as through inquiry-based lab activities. This course will prepare students for the AP Physics I exam. Students taking AP Physics I will participate in two double lab periods each week. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.** Students who are enrolled in the ECE program and achieve a grade of "C" or higher in the course will receive credit for UCONN PHYS1201Q: General Physics I.

AP PHYSICS - C**COURSE - CRS #0351
LAB CRS #0352**

1.5 Credits Full Year 12

Prerequisite: Successful completion of Pre-Calculus, recommendation of current science teacher **and** students must be concurrently enrolled in Calculus.

AP Physics C is a fast-paced, college-level course that focuses on mechanics in the fall semester and electricity and magnetism in the spring semester. The primary goal of the course is to develop the student's understanding of these topics, predominantly through a problem solving approach that relies on the use of algebra, trigonometry, and calculus. This course will prepare students for both the AP Physics C – Mechanics exam as well as the AP Physics C – Electricity and Magnetism exam. Students taking AP Physics C will participate in two double lab periods in each week. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

APPLICATION OF PHYSICS*CRS #0326**

1 Credit Full Year 11, 12

Prerequisite: Algebra II with Trig -completed or concurrently enrolled

This physics based course will require students to engage in the principles and practices of Science, Technology, Engineering, and Mathematics (STEM). Students will engage in a wide variety of STEM based activities in the areas of mechanical energy, wave motion and sound, light and optics, electricity, and magnetism. Students will take part in engineering tasks and STEM challenges where they will learn the fundamentals of physics through real world situations and application.

SOCIAL STUDIES

The Social Studies Department of South Windsor High School offers a wide range of courses from which students may select according to individual needs, interests and aptitudes. It is important that you read the course descriptions carefully so that you make the best decisions. All of the courses in the Social Studies Department are intended to be college preparatory classes, unless noted as honors or advanced placement. The successful completion of three full credits is required for graduation.

Graduation requirements for all students are as follows:

- 3 credits in Social Studies, including at least 1 credit in U.S. History and .5 credit in Civics/Government.
- Modern World History is the pre-requisite course for U.S. History in 10th grade.

SOCIAL STUDIES –REQUIRED COURSES

MODERN WORLD HISTORY**CRS #0417****HONORS CRS #0418**

1 Credit Full Year 9

The central purpose of this course is to provide students with an understanding of how world civilization has evolved during the last three hundred years.

Units of study include The Age of Revolutions, Global Imperialism, World Conflicts, and Contemporary Global Issues. The culminating assessment for this last unit of study will be a United Nations simulation in which all students will be required to research a contemporary world issue and propose possible solutions. Students will be called upon to think as geographers, economists, historians, and political scientists as they explore and integrate these topics. Sensitivity for the cultural diversity and commonality of the people of the world will be emphasized throughout this course.

THE MODERN WORLD: AN INTERDISCIPLINARY SEMINAR**HONORS CRS #0416/#0186**

2 Credits Full Year 9 (1 Credit English, 1 Credit Social Studies)

This integrated Social Studies and English course will use brain-based research instructional strategies empowering students to access content and apply twenty-first century critical thinking, problem solving, research, collaborative and technological skills to their learning. Projects will be designed by students and presentations will be required. This course is by teacher recommendation only and will be limited in the first year to one class section. (by teacher recommendation)

HUMANITIES**CRS #0103/#0104**

2 Credits Full Year 9 (1 Credit English, 1 Credit Social Studies)

This course offers students the opportunity to receive strategic instruction in literacy skills according to their individual needs. It is focused on the reading, writing and responding to fiction and non-fiction texts required by the Common Core State Standards for English Language Arts. Students will spend approximately half of their time working with a variety of texts which support the Modern World History curriculum and the other half working on skills and concepts within the ninth grade language arts curriculum. (by special arrangement)

UNITED STATES HISTORY**CRS #0423****HONORS CRS #0424**

1 Credit Full Year 10

This course will focus on United States History from post-Reconstruction to the present. Topics of study include: Industrialization, Becoming a World Power, Roaring '20's to the New Deal, Civil Rights, Cold War and the Age of Globalization. The course will allow students to think critically about the vital issues that face them as U.S. citizens. To achieve this goal, students will develop competence in chronological thinking, historical comprehension of primary and secondary sources, historical research, interpretation and justifying their point of view through oral and written expression.

AP UNITED STATES HISTORY**CRS #0425**

1 Credit Full Year 10, 11, 12

This advanced placement course is a thorough examination of the scope and sequence of United States history. Some of the areas of concentration include American culture, economic transformations, environment and globalization, politics, government and military conflicts. The course will provide students with the opportunity to analyze problems and successes in American history and to arrive at conclusions based on research and factual evidence. This course fulfills the United States History graduation requirement. All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.

AMERICAN STUDIES**CRS #0414/#0184**

2 Credits Full Year 10 (1 Credit English, 1 Credit Social Studies)

This course offers designated students the opportunity to be instructed strategically in literacy skills according to their individual needs. It is focused on the reading, writing and responding to fiction and non-fiction texts required by the Common Core State Standards for English Language Arts. Students will spend approximately half of their time working with a variety of texts which support the U.S. History curriculum and the other half working on skills and concepts within the tenth grade language arts curriculum. (by special arrangement)

CIVICS AND AMERICAN GOVERNMENT**CRS #0471****HONORS CRS #0472**

½ Credit One Semester 11

This course will begin with an examination of the foundations of the U.S. government, a study of the Constitution and Bill of Rights, and then focus on citizenship, voting, the branches and structure of government, and policy decisions. Finally, students will study state and local government and the rights and responsibilities of citizenship. Students will be required to use their knowledge to research a contemporary governmental issue at the local, state, or national level and address it by engaging in a civic participation project which involves writing a formal research paper.

AP AMERICAN GOVERNMENT AND POLITICS**CRS #0468**

1 Credit Full Year 11, 12

This AP course is a thorough study of the United States government – its functions, its limitations and advantages, and its future as a government. Philosophical influences, historical experiences, and contemporary ramifications, studied through primary sources, will provide students with an in-depth understanding of our American political philosophy, our role in the world, and our own domestic issues. Independent research, formal term papers and involvement in a national competition on the Constitution and the Bill of Rights are course requirements. Extensive summer reading and writing are required. This course fulfills the Civics and American Government graduation requirement. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

SOCIAL STUDIES – ELECTIVE COURSES

UConn ECE HIST 1400: MODERN WESTERN TRADITIONS**CRS #0479**

1 Credit Full Year 11, 12

This course will examine the history of political institutions, economic systems, social structures, and cultures in the modern Western world. European history will be examined in depth, and historic periods under study include the Renaissance, the Protestant Reformation, the Age of Absolutism, the Enlightenment, the Age of Revolutions, the Industrial Revolution, Imperialism, the World Wars, the Cold War, and the present day. Besides learning about European History, this course will focus on writing and researching like a historian. Thus, this is a reading and writing intensive course. Students who earn a final grade of C or above are eligible for UConn credit.

AP PSYCHOLOGY**CRS #0428**

1 Credit Full Year 11, 12

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

THE MIDDLE AGES & RENAISSANCE

CRS #0475

½ Credit One Semester 11, 12

This course will examine the world in the Middle Ages, beginning with the fall of Rome and end with the exploration of the Renaissance and Protestant Reformation. Specific civilizations under study will include Western Europe, the Byzantine Empire and the Islamic caliphates. Specific topics to be examined will include the vikings, Norman Invasions, Crusades, knights and chivalry, the Turks, Bubonic Plague, Hundred Years' War, the rise of the Italian city-states, humanism, Renaissance art, Machiavelli, Martin Luther and John Calvin.

ECONOMICS: PRINCIPLES AND PRACTICES

CRS #0457

½ Credit One Semester 11, 12

This course is an academic study designed to introduce students to many of the key principles and ideas of economics. Students will study terms and concepts from microeconomics such as, supply and demand as well as economic theories and systems. Topics from macroeconomics such as economic performance, economic challenges, government, and fiscal policy will also be studied. Throughout this course, students will research independently, participate in group simulations, and complete many writing projects. This course will enable students to obtain a better understanding of current economic issues.

AP ECONOMICS

CRS #0443

1 Credit Full Year 11, 12

The AP Economics course is designed to introduce students to many of the key principles and ideas of economics. Students will study terms and concepts from microeconomics such as, supply and demand as well as economic theories and systems. Topics from macroeconomics such as economic performance, economic challenges, government, and fiscal policy will also be studied. Students will complete independent research, formal term papers and extensive summer work. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

CONTEMPORARY WORLD ISSUES

CRS #0439

½ Credit One Semester 11, 12

This course explores current issues around the world. The two primary goals of the course are for students to develop skills to critically read, discuss, and create a variety of print and non-print materials and to explore, gain knowledge of and form opinions about contemporary issues that affect our global community. To accomplish these goals students will examine biographies, newspapers, periodicals, fiction and non-fiction sources, film, television, music, and the Internet. Units of study will reflect current issues by examining some or all of the following: important individuals, environment, economics, politics, culture, conflicts or human rights.

MYTH, MOVIES, AND HISTORY

CRS #0401

½ Credit One Semester 11, 12

This film studies course investigates the development of the American film industry and the ways it has shaped American culture and society. Students will learn about the creation of motion pictures, the early days of Hollywood, cinematography techniques, the Silent Era, comedies, science fiction and horror movies, and the advent of independent films. Students are expected to view film clips and whole films and engage in active discussion and research. Students will develop a critical viewing "eye" and appreciate the qualities that make films historic and lasting parts of American popular consciousness.

REGIONAL WORLD STUDIES**CRS #0435**

½ Elective Credit One Semester 11, 12

Students will focus on areas of conflict, international economic development, or ongoing interest to guide a research-based project that emphasizes problem solving and skill application. Based on the news and larger global forces, students will be encouraged to track a problem to its conclusion. This course will be a culminating experience in the International Relations/Global Studies Pathway which will result in a certificate in Global Studies from the World Affairs Council.

LOCAL GOVERNMENT AND LAW ENFORCEMENT*CRS #0436**

½ Elective Credit One Semester 11, 12

This course introduces students to the structure and function of local government and state government, law enforcement, and the courts. Students learn how local governments operate as well as by their interaction with police, courts, and management systems. This course will rely on interviews and work with officials. Students will solve problems and experience service on a local level.

NATIONAL GOVERNMENT AND INTELLIGENCE STUDIES*CRS #0437**

½ Elective Credit One Semester 11, 12

The focus of this course is on becoming involved with organizations such as the CIA, the FBI, ATF, Homeland Security, military service, or other national protection agencies. Students will study the functions these bodies serve and will research the means by which they could enter service on a national level. The content of study of this course will be dictated by student interest and will emphasize research and writing skills.

VISUAL ARTS

INTRODUCTION TO ART**CRS #0731**

½ Credit One Semester 9, 10, 11, 12

Students will be introduced to a variety of art disciplines to explore or find their interest and abilities in the visual arts. Students will learn basic techniques in drawing, painting, clay and a variety of mixed media. Art history and criticism are integrated into the curriculum. **This course may only be taken by students who have not yet taken any other art course at SWHS.**

DESIGN**CRS #0701**

½ Credit One Semester 9, 10, 11, 12

Design will develop a student's understanding of the various organizational possibilities available in creating within the two-dimensional surface and three-dimensional space. Design is an introduction to the basic elements (line, shape, value, texture, color) and principles of design (unity, variety, balance, repetition, rhythm, and movement). A variety of skills, techniques, and materials are used to explore the multi-cultural world of art. As students develop skills with a variety of media, they will explore more advanced problems with emphasis on creative interpretation and imagery. A sketchbook is required.

INTRODUCTION TO DRAWING**CRS #0703**

½ Credit One Semester 9, 10, 11, 12

Realistic drawing is the focus of the Introduction to Drawing course. Students will learn drawing skills through observational drawing and use techniques such as gesture, contour and tonal to make their artwork. Students will analyze their work and the work of others in small group and whole class critiques. A sketchbook is required. A student may sign up for INTRODUCTION TO DRAWING and INTERMEDIATE DRAWING in the same year.

INTERMEDIATE DRAWING

CRS# 0705

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Introduction to Drawing

Students will continue the development of their foundation drawing skills. Through traditional subject matter, students will explore a range of materials and techniques including printmaking. Composition, rendering skills, craftsmanship and originality of thought will be emphasized. Individual and weekly group critiques. Preliminary plans and sketches are part of the creative process and are required. A student may sign up for INTERMEDIATE DRAWING and ADVANCED DRAWING in the same year.

ADVANCED DRAWING

CRS# 0704

½ Credit One Semester 10, 11, 12

Prerequisite: Intermediate Drawing

Students will refine their skills and explore more advanced problems with emphasis on creative interpretation and imagery, enabling them to explore and design personal expression. Individual and weekly group critiques. Preliminary plans and sketches are required. A student may sign up for INTERMEDIATE/ ADVANCED DRAWING in the same year. ADVANCED DRAWING may be taken multiple times for credit. Course follows the Advanced Portfolio list.

INTRODUCTION TO PAINTING

CRS #0707

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Introduction to Drawing is recommended but not required.

Students learn about the essential elements of painting through color theory and its applications. Students will become acquainted with a broad range of painting techniques as well as the use and care of the painting tools and materials. Tempera, watercolor, and acrylics will be used. Individual and weekly group critiques. Preliminary plans and sketches are part of the creative process and are required. A student may sign up for INTRODUCTION TO PAINTING and INTERMEDIATE PAINTING in the same year.

INTERMEDIATE PAINTING

CRS #0709

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Introduction to Painting

The focus of this studio course is composition and technique. Through the study of various art periods and schools of thought, students are encouraged to experiment with styles, techniques, and color schemes. Composition, rendering skills, craftsmanship and originality of thought will be emphasized. Acrylics, watercolors, and mixed media may be used. Individual and weekly group critiques. Preliminary plans and sketches are part of the creative process and are required. A student may sign up for INTERMEDIATE PAINTING and ADVANCED PAINTING in the same year.

ADVANCED PAINTING**CRS #0708**

½ Credit One Semester 10, 11, 12

Prerequisite: Intermediate Painting

Students will develop their painting skills with a variety of media; they will explore more advanced problems with emphasis on creative interpretation and imagery. Acrylics, watercolors, oils and mixed media may be used. Individual and weekly group critiques. Preliminary plans and sketches are part of the creative process and are required. A student may sign up for INTERMEDIATE PAINTING and ADVANCED PAINTING in the same year. ADVANCED PAINTING may be taken multiple times for credit. Course content follows the Advanced Portfolio list.

INTRODUCTION TO CLAYWORK**CRS #0713**

½ Credit One Semester 9, 10, 11, 12

Students will focus on the development of skills needed to construct sculptural clay forms by the handbuilding techniques of pinch, coil, slab and a combination thereof. Instruction also includes an introduction to basic decorating and glazing techniques. Students will design their own projects based on the assignment. Good craftsmanship will be emphasized. Students will learn to reflect upon their work and the work of their peers. A student may sign up for INTRODUCTION TO CLAYWORK and INTERMEDIATE CLAYWORK in one year.

INTERMEDIATE CLAYWORK**CRS #0714**

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Introduction to Claywork

Students will refine their handbuilding skills with a focus on creating tile and sculptures (abstract, realistic and functional). Instruction includes other approaches to decorating, glazing and firing the clay sculptures. Emphasis will be on craftsmanship, design, and producing functional pieces (when appropriate). Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. A student may sign up for INTERMEDIATE CLAYWORK and ADVANCED CLAYWORK in one year.

ADVANCED CLAYWORK**CRS #0715**

½ Credit One Semester 10, 11, 12

Prerequisite: Intermediate Claywork

Students will explore more advanced problems in clay with emphasis on creative interpretation and imagery, enabling them to explore and design their personal expression. A sketchbook is required. Instruction includes other approaches to decorating, glazing and firing the clay sculptures. Emphasis will be on craftsmanship, design, producing functional pieces (when appropriate), exploration and experimentation. Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. A student may sign up for INTERMEDIATE CLAYWORK and ADVANCED CLAYWORK in one year. ADVANCED CLAYWORK may be taken multiple times for credit. Course content follows the Advanced Portfolio List.

INTRODUCTION TO POTTER'S WHEEL**CRS #0717**

½ Credit One Semester 9, 10, 11, 12

Students will focus on the development of skills needed to make clay vessels on the electric potter's wheel. Students will make cylinders, bowls and vases. Instruction also includes an introduction to basic decorating and glazing techniques. Good craftsmanship will be emphasized. Students will learn to reflect upon their work and the work of their peers. A student may sign up for INTRODUCTION TO POTTER'S WHEEL and INTERMEDIATE POTTER'S WHEEL in one year.

INTERMEDIATE POTTER'S WHEEL

CRS #0718

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Introduction to Potter's Wheel

Students will refine their pottery skills with a focus on wheel-thrown functional forms such as drinking vessels, lidded vessels, vases and plates. Instruction includes other approaches to decorating, glazing and firing pottery. Emphasis will be on craftsmanship, design, producing functional pottery (when appropriate). Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. A student may sign up for INTERMEDIATE POTTER'S WHEEL and ADVANCED POTTER'S WHEEL in one year.

ADVANCED POTTER'S WHEEL

CRS #0719

½ Credit One Semester 10, 11, 12

Prerequisite: Intermediate Potter's Wheel

Students will explore more advanced problems in pottery with emphasis on creative interpretation and imagery, enabling them to explore and design their personal expression. A sketchbook is required. Instruction includes other approaches to decorating, glazing and firing pottery. Emphasis will be on craftsmanship, design, producing functional pottery (when appropriate), exploration and experimentation. Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. A student may sign up for INTERMEDIATE POTTER'S WHEEL and ADVANCED POTTER'S WHEEL in one year. ADVANCED POTTER'S WHEEL may be taken multiple times for credit. Course content follows the Advanced Portfolio List.

INTRODUCTION TO CREATIVE METALS

CRS #0721

½ Credit One Semester 9, 10, 11, 12

Students will design and create jewelry and/or sculpture with metals such as sterling silver, brass, copper, nickel-silver and Nu-Gold. Students will learn basic construction techniques of cutting with a jeweler's saw, forming, soldering with a torch, finishing with high speed rotary tool and simple stone setting. Emphasis will be placed on craftsmanship. Projects may include rings, earrings, bracelets, pendants, as well as sculpture. Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. A student may sign up for INTRODUCTION TO CREATIVE METALS and INTERMEDIATE CREATIVE METALS in the same year.

INTERMEDIATE CREATIVE METALS

CRS #0724

½ Credit One Semester 9, 10, 11, 12

Prerequisite: Introduction to Creative Metals

Students will develop their skills and techniques previously learned in Introduction to Creative Metals and try new techniques such as chain making, texture and using resins. Emphasis will be on design and craftsmanship. Students will continue to increase their skills and develop a style with working with metals

projects based on his/her interests. Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. A student may sign up for INTERMEDIATE CREATIVE METALS and ADVANCED CREATIVE METALS in one year.

ADVANCED CREATIVE METALS

CRS #0722

½ Credit One Semester 10, 11, 12

Prerequisite: Intermediate Creative Metals

Students will refine their skills and develop new techniques to produce more sophisticated pieces. Students may combine metals and other materials to continue to develop their own style through a more personal approach by choosing more sophisticated metals projects based on his/her interests. Preliminary plans and study are part of the creative process and are required. Students will reflect on their work and the work of their peers. Emphasis will be on design and craftsmanship. A student may sign up for INTERMEDIATE CREATIVE METALS and ADVANCED CREATIVE METALS in one year. ADVANCED CREATIVE METALS may be taken multiple times for credit. Course content follows the Advanced Portfolio List.

PORTFOLIO PREPARATION JUNIOR YEAR

CRS #0711

½ Credit One Semester 11

Prerequisite: One semester of an advanced art course. Approval from the instructor scheduled to teach the class is necessary for admission. A junior art student should take Portfolio Prep for the second semester in their junior year.

This course will guide art students in the preparation of their portfolio for art school/ art major applications, college interviews, portfolio reviews and competitions. The student will prepare a written contract with the instructor of their area which outlines the student's area of focus and project goals for the portfolio. Portfolio assignments are aligned with the admission portfolio requirements of the schools that the students are applying to. Topics covered in the studio will include imagery development, matting, digital documentation, writing, and overall presentation techniques.

PORTFOLIO PREPARATION SENIOR YEAR

CRS #0729

½ Credit One Semester 12

Prerequisite: One semester of an advanced art course. Approval from the instructor scheduled to teach the class is necessary for admission.

This course will guide art students in the preparation of their portfolio for art school/art major applications, college interviews, portfolio reviews and competitions. Senior art students will work on individualized imagery development, artist statements, and documentation of the artwork. Individual and weekly group critiques. A folder will include the artist statement, digital inventory, rubrics, self-evaluations and reflections. Preliminary plans and sketches are part of the creative process and are required.

PRINTMAKING

CRS #0702

½ Credit One Semester 9, 10, 11, 12

Printmaking is the process of making unique artworks using various printing processes. Students will create original designs and become familiar with simple to complex printing processes such as stamps, linoleum block prints, and silk-screen printing where they can create their own original T-shirt designs. The students will make multiples or one-of-a-kind prints. Some drawing experience will be helpful in this class.

AP STUDIO ART– WITH PORTFOLIO SUBMISSION TO AP EXAM**CRS #0730**

1 Credit Full Year 11, 12

Prerequisite: One semester of an advanced art course (Approval of the AP art studio teacher is necessary for admission)

This course is designed for serious art students who are planning to major in art at the college level. The students enrolled in the Advanced Placement Studio Art will produce 24 works of art. Emphasis is placed on imagery development, quality of work, and a demonstration of the ability to express ideas through varied approaches. Students will organize their art work in a portfolio. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

FASHION DESIGN / ILLUSTRATION I**CRS #0738**

½ Credit One Semester 9, 10, 11, 12

Students will be exposed to an overview of topics in fashion design and illustration. Assignments will include: figure drawing, fabric rendering with colored pencil, mood board collage, garment illustration with found objects, altered denim design, and garments made from recycled materials. Throughout the course, students will have the opportunity to express their creative ideas and sense of style. A sketchbook is required.

FASHION DESIGN / ILLUSTRATION II**CRS #0739**

½ Credit One Semester 9, 10, 11, 12

Students will be exposed to a variety of hands-on techniques for creating fashion and wearable art. Students will research, plan, design, illustrate and create garments with various themes. Materials such as fabrics, re-purposed clothing, paper, plastic, found objects, etc., will be used to create the designs in three dimensions. Students will also develop fashion illustration boards showing fashion collections with coordinated fabric swatches (ranging from men's wear and sportswear to women's wear and eveningwear). A sketchbook is required.

WORLD LANGUAGES

Elective Language Offering

INTRODUCTION TO AMERICAN SIGN LANGUAGE**CRS #0560**

1 Credit Full Year 9, 10, 11, 12

No prerequisites

This is an introductory class where students will learn the history of American Sign Language as well as be introduced to the culture of the deaf community and how it varies around the world. Students will learn the basics of the language, starting with the alphabet and will practice communicating within various contexts. Please note that this course is not part of a sequential series. Introduction to American Sign Language may count towards the 2 credit world language requirement. Please note that this course is not part of a sequential series.

CLASSICAL MYTHOLOGY-UCONN EARLY COLLEGE EXPERIENCE (*PENDING BOE APPROVAL)**CRS #0565**

1 Credit Full Year 11, 12

No prerequisites

Myth is the oldest way for a culture to address essential questions and to articulate its values, beliefs about its place in the universe, and the nature of the universe itself through symbolic and figurative language. The myths of the Greeks and Romans in particular provide a significant cultural and aesthetic cornerstone to Western Civilization, informing and influencing its values, arts, literature, and even popular culture. This course, offered at the honors level for UConn Early College Experience credit, will provide a thematic approach to Classical myth in its historical, cultural, and literary context. Embedded within the mythological content will be linguistic content, such as English etymology (word roots) and elementary Ancient Greek. Classical Mythology does not count towards to the 2 credit world language requirement.

Sequential Language Offerings

Placement Recommendations for College Prep and Honors Level

Teacher recommendations are the primary criteria for student level placement for each course. Assessment scores along with language proficiency in speaking, reading, listening, and writing are all taken into consideration. Additionally, students must achieve no lower than a C- in order to continue in a course sequence.

FRENCH 1**CRS #0501**

1 Credit Full Year 9, 10, 11, 12

No prerequisites

This course is designed as an introduction to the French language and Francophone cultures. Students will practice speaking, listening, reading, and writing in a cultural context. Vocabulary appropriate to this level of study is developed through the use of authentic listening exercises, visuals and videos on a variety of cultural themes. Students must successfully complete the course with a teacher recommendation, in order to continue in the course sequence.

FRENCH 2**CRS #0502**

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Successful completion of French 1, and/or Middle School French, with teacher recommendation

This course is designed to further develop the language skills acquired in French 1. This course will be conducted in French as much as possible and students will be expected to use French in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in French and developed through the use of authentic listening exercises, visuals and videos on a variety of cultural themes.

FRENCH 2 (H)**CRS #0503**

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Successful completion of French 1 and/or Middle School French, with teacher recommendation

This course is an honors course open to students who receive the recommendation of their French 1 teacher. This course will be conducted in French and students will be expected to use French in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in French and developed through the use of authentic listening exercises on a variety of cultural themes.

FRENCH 3**CRS #0504**

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of French 2, with teacher recommendation

This course continues to develop language functions learned and emphasizes fluency in speaking, reading, writing and listening. This course is conducted in French and students will be expected to use French in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in French and developed through the use of authentic listening exercises on a variety of cultural themes.

FRENCH 3 (H)**CRS #0505**

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of French 2, with teacher recommendation

This is an honors course open to students who have received the recommendation of their French 2 teacher. This course is conducted in French and students will be expected to use French in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in French and developed through the use of authentic listening exercises on a variety of cultural themes.

FRENCH 4**CRS #0506**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of French 3, with teacher recommendation

This course focuses on conversation, reading, writing, language functions and francophone culture. Guided conversations and discussions will be used both as learning activities and assessments. This course will be conducted in French and students will be expected to use French in class as the primary language of communication. It is the intent of this course to help students consolidate their knowledge of the French language as a communicative skill and to broaden their understanding of francophone cultures.

FRENCH 4 (H)**CRS #0507**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of French 3, with teacher recommendation

This is an honors course open to students who have received the recommendations of their French III teacher. This course focuses on conversation, reading, writing, language functions and francophone culture. Guided conversations and discussions will be used both as learning activities and assessments. This course will be conducted in French and students will be expected to use French in class as the primary language of communication. It is the intent of this course to help students consolidate their knowledge of the French language as a communicative skill and to broaden the base of their understanding of the culture of French speaking people.

FRENCH 5**CRS #0508**

1 Credit Full Year 12

Prerequisite: Successful completion of French 4, with teacher recommendation

The four skills of listening, reading, writing and speaking will continue to be enhanced and enriched as students embark on a culturally enriched tour of Francophone countries. This course will be conducted in French and students will be expected to use French in class as the primary language of communication. Students will produce written and oral artifacts with all of the functions of language that they have learned previously in real life situational activities and assessments.

AP FRENCH LANGUAGE AND CULTURE**CRS #0513**

1 Credit Full Year 12

Prerequisite: Successful completion of French 4

This course is intended for students wishing to pursue French at an AP level. Students are exposed to written and spoken French on a variety of topics and will also present information and ideas using spoken and written French to an audience. Students develop an understanding and appreciation of various aspects of the cultures of the French speaking world. Film, books, newspapers, music, traditions, and cultural values will be studied. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

ITALIAN 1**CRS #0550**

1 Credit Full Year 9, 10, 11, 12

No prerequisites

This course is designed as an introduction to the Italian language and culture. Students will practice speaking, listening, reading, and writing in a cultural context. Vocabulary appropriate to this level of study is developed through the use of authentic listening exercises, visuals and videos on a variety of cultural themes. Study skills which enhance language learning are emphasized. Students must successfully complete the course with a teacher recommendation, in order to continue in the course sequence.

ITALIAN 2 (H)**CRS #0554**

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of Italian 1, with teacher recommendation

This course is designed to further develop the language skills acquired in Italian 1. This course will be conducted in Italian and students will be expected to use Italian in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in Italian and developed

through the use of authentic listening exercises, visuals and videos on a variety of cultural themes. Students will also study various aspects of the Italian culture.

ITALIAN 3 (H)

CRS #0555

** Please note that this course will only run with sufficient student interest*

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Italian 2, with teacher recommendation

This course continues to develop language functions learned and emphasizes fluency in speaking, reading, writing and listening. This course is conducted in Italian and students will be expected to use Italian in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in Italian and developed through the use of authentic listening exercises on a variety of cultural themes. Students will study various aspects of the Italian culture around the world.

ITALIAN 4 (H)

CRS #0553

** Please note that this course will only run with sufficient student interest*

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Italian 3, with teacher recommendation

This course focuses on conversation, reading, writing, language functions and Roman culture. Guided conversations and discussions will be used both as learning activities and assessments. This course will be conducted in Italian and students will be expected to use Italian in class as the primary language of communication. It is the intent of this course to help students consolidate their knowledge of the Italian language as a communicative skill and to broaden their understanding of modern Italian culture.

LATIN 1

CRS #0521

1 Credit Full Year 9, 10, 11, 12

No prerequisites

This course provides the foundation for the acquisition of the Latin language with the goal of eventually reading the literary masterpieces of the ancient Romans. Students are introduced to basic Latin grammar, syntax, and vocabulary within the rich context of mythology, history, and culture. Proficiency is developed through memorization, and extensive practice in reading, translation, and composition. Students must successfully complete the course with a teacher recommendation, in order to continue in the course sequence.

LATIN 2 (H)

CRS #0525

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of Latin 1, with teacher recommendation

Beginning where Latin 1 left off, students continue to study the remaining elements of Latin grammar and syntax. Vocabulary continues to be built. Reading, translation, and composition skills continue to be emphasized. Grammar work is still presented in the context of Classical history, mythology, and culture. As

they complete the grammar, students make the transition from reading adapted Latin to studying authentic Roman literary works from authors like Petronius, Catullus, or Caesar.

LATIN 3 (H)**CRS #0523**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Latin 2, with teacher recommendation

This course is an exploration of Latin lyric, elegiac, and epic poetry. Emphasis is placed on refining translation and literary interpretation skills by reading selections from the literary works of Roman authors like Catullus, Ovid and Horace. Attention is also given to the historical and cultural backgrounds of the works studied, metrics, rhetorical devices, and figures of speech, as well as to Classical literary criticism and scholarship, and the modern legacy of such works.

LATIN 4 (H) / (ECE)**CRS #0528**

1 Credit Full Year 12

Prerequisite: Successful completion of Latin 3, with teacher recommendation

Students continue developing facility with analyzing, interpreting, and translating Latin literature by closely reading Vergil's epic masterpiece, the *Aeneid*. Students closely study the mythological, historical and cultural background of the work (such as the Trojan War and the rise of Augustus), the poetic techniques of the author, and secondary scholarship. This is a UCONN Early College Experience course, meaning that students can be concurrently enrolled at UCONN and earn transferrable college credits. Students must be enrolled in the ECE program and achieve a grade of "C" or higher in the course to receive AP level weighting and credit.

SPANISH 1**CRS #0531**

1 Credit Full Year 9, 10, 11, 12

No prerequisites

This course is designed as an introduction to the Spanish language and Hispanic cultures. Students will practice speaking, listening, reading, and writing in a cultural context. Vocabulary appropriate to this level of study is developed through the use of authentic listening exercises on a variety of cultural themes. Study skills which enhance language learning are emphasized. Students must successfully complete the course with a teacher recommendation, in order to continue in the course sequence.

SPANISH 2**CRS #0532**

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Successful completion of Spanish 1 and/or middle school Spanish, with teacher recommendation

This course is designed to further develop the language skills acquired in Spanish I. This course will be conducted in Spanish and students will be expected to use Spanish in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in Spanish and developed through the use of authentic listening exercises on a variety of cultural themes.

SPANISH 2 (H)**CRS #0533**

1 Credit Full Year 9, 10, 11, 12

Prerequisite: Successful completion of Spanish 1 and/or middle school Spanish, with teacher recommendation

This course is an honors course open to students who receive the recommendation of their Spanish I teacher. This course will be conducted in Spanish and students will be expected to use Spanish in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in Spanish and developed through the use of authentic listening exercises on a variety of cultural themes.

SPANISH 3**CRS #0534**

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of Spanish 2, with teacher recommendation

This course is conducted in Spanish and students will be expected to use Spanish in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in Spanish and developed through the use of authentic listening exercises on a variety of cultural themes.

SPANISH 3 (H)**CRS #0535**

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of Spanish 2, with teacher recommendation

This is an honors course open to students who have received the recommendation of their Spanish II teacher. This course will be conducted entirely in Spanish and students will be expected to use Spanish in class as the primary language of communication. Vocabulary and grammar appropriate to this level of study is presented in Spanish and developed through the use of authentic listening exercises on a variety of cultural themes.

SPANISH 4**CRS #0536**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Spanish 3, with teacher recommendation

This course focuses on conversation, reading, writing, language functions and Hispanic cultures. Guided conversations and discussions will be used both as learning activities and assessments. This course will be conducted in Spanish and students will be expected to use Spanish in class as the primary language of communication. It is the intent of this course to help students consolidate their knowledge of the Spanish language as a communicative skill and to broaden the base of their understanding of various Hispanic cultures.

SPANISH 4 (H)**CRS #0537**

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Spanish 3, with teacher recommendation

This is an honors course open to students who have received the recommendations of their Spanish III teacher. This course focuses on conversation, reading, writing, language functions and Hispanic cultures. Guided conversations and discussions will be used both as learning activities and assessments. This course will be conducted in Spanish and students will be expected to use Spanish in class as the primary language of communication. It is the intent of this course to

help students consolidate their knowledge of the Spanish language as a communicative skill and to broaden the base of their understanding of various Hispanic cultures.

SPANISH 5**CRS #0538**

1 Credit Full Year 12

Prerequisite: Successful completion of Spanish 4, with teacher recommendation

The four skills of listening, reading, writing and speaking will continue to be enhanced and enriched as students embark on a culturally enriched tour of Hispanic countries. This course will be conducted in Spanish and students will be expected to use Spanish in class as the primary language of communication at the intermediate high level. Students will produce written and oral artifacts with all of the functions of language that they have learned previously in real life situational activities and assessments.

AP SPANISH LANGUAGE AND CULTURE**CRS #0541**

1 Credit Full Year 12

Prerequisite: Successful completion of Spanish 4

This course is intended for students wishing to pursue Spanish at an AP level. Students are exposed to written and spoken Spanish on a variety of topics and will also present information and ideas using spoken and written Spanish to an audience. Students develop an understanding and appreciation of various aspects of the cultures of the Spanish speaking world. Film, books, newspapers, music, traditions, and cultural values will be studied. **All students who enroll in an AP course are expected to take the AP exam in order to have AP status reflected on their transcript and to receive AP credit.**

Humanities Electives

DEBATE**CRS #0090**

½ Elective Credit One Semester 11, 12

The Debate Society of CT explains, “Debate helps student develop valuable speaking, listening and analytic skills. It places a premium on quick thought and precise expression. Many noted public figures are former high school and college debaters.” In this course, students study debate and debatable issues. They practice and compete as debaters, making arguments requiring research into historical, scientific, political and other contemporary issues. They compete with one another and may have the opportunity to compete against students from other schools and debate clubs around the state.

MODEL UNITED NATIONS**CRS #0091**

½ Elective Credit One Semester 11, 12

Study in international diplomacy, Roberts’ Rules of debate, and contemporary country research are the foundations of this course. Students will explore topics in global affairs and will have the opportunity to compete with high schools from across the state. This course emphasizes original writing, speaking, and problem solving skills.

THEATER STUDIES / ACTING**CRS #0176**

½ Elective Credit

One Semester

11, 12

This course introduces students to the basic principles and techniques of acting while working on scenes, monologues and acting exercises. Students learn effective use of imagination, concentration, relaxation and physical and vocal techniques that builds a foundation for the craft of acting and an appreciation for Theater Arts. Students are introduced to playwriting and scene study. Peer evaluation, collaborative learning, and an end of the semester performances are all a part of this course.

General Electives

(THESE COURSES COUNT TOWARDS CAREER/TECHNOLOGY CREDITS WITH THE EXCEPTION OF COMMUNITY SERVICE)

MOBILE COMPUTER SCIENCE PRINCIPLES (MOBILE CSP)**CRS #0267**

1 Credit

Full Year

10, 11, 12

Students learn computer science by building socially useful mobile apps. In addition to programming and computer science principles, Mobile CSP is project-based and emphasizes writing, communication, collaboration, and creativity. Students will learn computer science by building socially useful mobile apps as a creator and not just as a user. In addition to programming and computer science principles, the course is project-based and will emphasize writing, communication, collaboration, and creativity. Students will learn to code through using the "App Inventor" program.

AP MOBILE COMPUTER SCIENCE PRINCIPLES**CRS #0268**

1 Credit

Full Year

11, 12

This course is supported by the Mobile Computer Science Principles Project (Mobile CSP), a National Science Foundation (NSF) funded effort to provide a broad and rigorous introduction to computer science based on App Inventor, a mobile programming language for Android devices. Students learn computer science by building socially useful mobile apps. In addition to programming and computer science principles, the course is project-based and emphasizes writing, communication, collaboration, and creativity. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

GRAPHIC COMMUNICATIONS**CRS #0919**

½ Credit

One Semester

9, 10, 11, 12

Graphic Communications is an introductory course offering the student an overview of contemporary communications processes and media. Areas to be covered include: Graphic Design, Digital Imaging, Adobe InDesign desktop publishing software, Print Media, and Advertising.

PHOTOGRAPHY I**CRS #0976**

½ Credit

One Semester

9, 10, 11, 12

Photography is an introductory course offering the student an overview of digital photographic processes. Areas to be covered will include digital SLR camera

use, studio lighting, image retouching, photographic composition, portfolio creation, Adobe Photoshop image editing software, advanced photographic techniques, lenses, and career research.

VIDEO COMMUNICATIONS

CRS #0956

½ Credit One Semester 9, 10, 11, 12

This course will explore the fundamentals of filmmaking, including planning, storyboarding, shooting, and post-production work. Students will be exposed to video production applications to create powerful multimedia productions and image editing techniques. Projects may include video photo albums, film shorts/movie trailers, stop frame animations, documentaries, and other creative works.

YEARBOOK I

CRS #0638

1 Credit Full Year 9, 10, 11

Yearbook is a course that will give the student an exposure to the world of printing and publishing. This course is production oriented with students doing all the work required to produce the *Centurion*. Students develop the book's organization, layout, and content using computerized publishing software. Students who select yearbook should be energetic and hardworking. They should also like to work in groups, enjoy writing, and enjoy the challenge of meeting a deadline. Computer, word processing, and photography skills are desirable, but not required. Any student considering a career in writing, publishing or journalism should consider taking this course.

YEARBOOK II

CRS #0918

1 Credit Full Year 10, 11, 12

Prerequisite: Successful completion of Yearbook I and recommendation of the yearbook advisor

Yearbook II is the assistant editorial level of the yearbook staff. These students are responsible for helping to lead the yearbook staff, as well as supporting the editor(s). These individuals develop and coordinate all aspects of the book: design, photography, templates, sales, and publication.

YEARBOOK III

CRS #0920

1 Credit Full Year 11, 12

Prerequisite: Successful completion of Yearbook II and recommendation of the yearbook advisor

Yearbook III is the editorial level of the yearbook staff. These students are the editor/co-editors and are responsible for leading the yearbook staff. These individuals develop and coordinate all aspects of the book: design, photography, templates, sales, and publication.

COMMUNITY SERVICE

CRS #1001

½ Credit 9, 10, 11, 12

In accordance with South Windsor High School's Expectations for Student Learning; Civic Expectation #2: Contribute individually and collaboratively to the community as a responsible citizen who exhibits ethical behavior

South Windsor High School students may earn up to 1/2 credit for pre-approved, verified community service. Working in conjunction with an advisor, students will plan relevant and appropriate experiences to earn community service hours. Students must document the completed hours to be approved by the course

advisor. Students choosing to pursue this option must complete a required orientation explaining the requirements, expectations, and guidelines for community service in advance of recording hours and earning credit. Students who complete 50 approved, documented hours will receive 1/2 credit.

Capstone

CAPSTONE**CRS #0691**

1 Credit

Full Year

12

This graduation requirement is introduced in the middle of junior year and is designed to provide members of the senior class with the opportunity to plan, complete and present a self-directed culminating project reflecting their personal interest. Under the guidance of a Capstone advisor, the Capstone experience will prepare students for lifelong learning and productive citizenship. This experience may include a creative project, research project, community service project, fundraising project, or an internship. Capstone will provide students with the opportunity to think critically, demonstrate flexibility and initiative, conduct analysis, improve communication skills and utilize technology effectively. The course will be graded as pass/fail.

South Windsor Public Schools does not discriminate on the basis of race, religion, color, national origin, sex, sexual orientation, age, genetic information, disability or other protected class status under applicable law in any of its education programs or services.

Section 504 of the Rehabilitation Act of 1973 ("Section 504") is an Act that prohibits discrimination against persons with a disability in any program receiving Federal financial assistance. For the purposes of Section 504, the term "disability" with respect to an individual means:

1. a physical or mental impairment that substantially limits one or more major life activities of such individual;
2. a record of such an impairment; or
3. being regarded as having such an impairment.

In order to fulfill its obligation under Section 504, the South Windsor Public Schools recognize a responsibility to avoid discrimination in policies and practices regarding its personnel, students, parents and members of the public who participate in school sponsored programs. In this regard, the South Windsor Public Schools will not knowingly permit discrimination against any person with a disability in any of the programs operated by the school system. Persons who feel that they may have been discriminated against on the basis of disability should contact the South Windsor Public School's Section 504 Coordinator.

The school district also has specific responsibilities under Section 504 with respect to providing access to appropriate educational services for students who qualify under Section 504. These responsibilities include the obligation to identify, to evaluate, and to afford access to appropriate educational services. If the parent or guardian disagrees with the decisions made by the professional staff of the school district with respect to the identification, evaluation, or educational placement of their child, he/she has a right to an impartial hearing. Additional written information about an impartial hearing is available on request from the Section 504 Coordinator.

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