



**Program of
Studies
2020-2021**

**MANCHESTER HIGH
SCHOOL WEST**



MANCHESTER
HIGH SCHOOL WEST
9 Notre Dame Avenue
Manchester, New Hampshire
03102

TELEPHONE
MAIN OFFICE - (603) 624-6384
FAX - (603) 628-6153

ADMINISTRATION
Richard R. Dichard, Principal
Mary Ann Wood, Assistant Principal
Laura E. Lord, Assistant Principal

GUIDANCE COUNSELORS
Cynthia Bilodeau-Director

Renee Beaulieu
Sarah Doherty
Eli Glass

Alicia Moylan

Gail Brown*

Abbie Weinstein**

*Student Assistance Program Coordinator

**Social Worker

MANCHESTER SCHOOL DISTRICT
NON-DISCRIMINATION POLICY

It is the policy of the School Board, in its actions, and those of its employees, that there shall be no discrimination on the basis of gender, race, religion, nationality, ethnic origin, age or handicap, for employment in, participation in, or operation and administration of any education program or activity in the Manchester School District.



Key to Course Descriptions

Placement of freshmen in appropriate courses is determined by middle school officials and parents who will make decisions based on the criteria as outlined in the Course Placement Guidelines. Placement of all other students is subject to students meeting indicated prerequisites and recommendations by parents, students, and/or the professional staff.

(FND) - Foundations

These courses enhance students knowledge in a subject area, while guiding students towards developing skills such as problem solving that are needed for post secondary success.

(CCP) - Career & College Preparatory

These courses are designed for students to allow a great deal of opportunity in post secondary education and career planning. They will provide continued exposure and reinforcement of those skills and knowledge necessary for understanding and success now and in the future.

(ACP) - Accelerated College Preparatory

These courses are designed for college-bound students who have demonstrated previous academic success. Pace, depth of knowledge, and pursuit of critical skills characterize courses at this level.

(HON) - Honors & Advanced Placement

These rigorous courses of study are designed for students whose skills have progressed beyond the mastery level. These courses emphasize higher-ordered thinking skills, independent and self directed research, and stress problem-solving in multidisciplinary contexts.

Note: (COL) - Denotes Running Start or Dual Enrollment - These courses may also earn college credit at Manchester Community College or Southern New Hampshire University depending on the location. Not all COL courses at every school will earn college credit. See instructor for details.

Why choose MANCHESTER HIGH SCHOOL WEST?

The answer is simple: Those that choose to attend West will have access to the courses that prepare them for COLLEGE AND CAREER READINESS. Students will also develop the tools and sense of citizenship, critical thinking, communication, collaboration and creativity that will allow them to be successful in the future. These 5 C's are the pillars of success at Manchester High School West. See our website at west.mansd.org for our Portrait of a Graduate.

SO HERE IS WHY STUDENTS CHOOSE WEST:

- CAREER AND COLLEGE PREPARATORY COURSES-Nine (9) Advanced Placement Courses
- Career and Technical Programs offered at the Manchester School of Technology
- Job Shadows, Tours, Interviews, Work Placement and Internships with our community partners in the Wider Learning Ecosystem
- Dual Enrollment/Running Start Programs with local colleges like Southern New Hampshire University, Manchester Community College, and UNH-Manchester that allow students to earn college credit for courses in high school.
- STEAM AHEAD NH - Science, Technology, Engineering, Art, and Mathematics. STEAM is a four-year program focused on project-based learning and enabling students to earn college credit during high school at no cost. (See the STEAM section for more details.)
- THEATRE KNIGHTS - The only four-year internationally recognized Theatre Arts Program in the City of Manchester. This group puts on two performances each school year and has been recognized locally, regionally and internationally for its excellence.
- ART AND MUSIC - Award winning fine and performing art programs that provide shows and performances throughout the school year and include two internationally recognized honor societies for the creative student.
- CO-CURRICULAR ACTIVITIES - West has student centered clubs, advised honor societies, outdoor, life-style and student support groups, and student government.
- ATHLETICS - School teams play in the Fall, Winter, and Spring. They travel locally and nationally to compete and represent West High School.
- EXTENDED LEARNING OPPORTUNITIES - Flexible scheduling options with ELO's and Virtual Learning Academy Charter School, or VLACS, that allow students to maximize their time learning at West and beyond.
- CREDIT FOR WORK - Internship, externship, "learn while you earn," and job-shadow opportunities that allow students to get experience and skills that relate directly to their own personal career goals.
- CATHOLIC MEDICAL CENTER PARTNERSHIP - An opportunity to explore, learn and gain experience working in a hospital that has sixteen different departments. A unique and special opportunity thanks to our community Partner CMC.
- WORLD LANGUAGE EXCHANGE PROGRAM - Neustadt an der Weinstrasse, Germany where students live and learn about another culture.
- NEASC ACCREDITATION - West is an accredited school by the New England Association of Schools and Colleges and by the New Hampshire Department of Education. West provides a quality education that is recognized by every college, university, and professional institution in the world.

PRINCIPAL'S MESSAGE

On behalf of the faculty and staff at West, welcome to the 2020-2021 school year. You are encouraged to read this Program of Studies thoroughly. Included is the information you need to make an intelligent selection of courses for the 2020-2021 school year. Selections should be made with much thought and with the involvement of your parents, teachers and school counselors. Our curriculum offers you the opportunity to become prepared to meet the challenges of the 21st Century. On behalf of the professional staff at Manchester High School West, I wish you much success!

Richard R. Dichard, Principal

ABOUT MANCHESTER HIGH SCHOOL WEST

West High School is a comprehensive public high school that celebrated its 98th year of service to the city of Manchester this past September. West High School is filled with about 800 students that come from 60 different countries from around the world. Our students pass through the doors on 9 Notre Dame Avenue each day to share, work, learn and create together. Students from our neighbor to the north, Hooksett, also add to the diverse and invested student body at West.

MISSION - Manchester High School West, in partnership with our community, is committed to developing independent, lifelong learners in a safe, respectful learning environment in which students realize their full potential.

Our curriculum is designed to provide rigor and relevance, incorporating the use of technology and traditional craft to provide a meaningful learning experience. During a student's four-year course of study, they should expect to form meaningful relationships with their peers, teachers, businesses, institutes of higher learning, armed forces and additional members of the Manchester and international community at large. These relationships are the foundation for a lifetime of joy, growth and success. The Manchester High School West graduate will be ready to take on all of the challenges of the 21st Century.

WHERE DO STUDENTS WHO GRADUATE FROM WEST GO?

WEST HIGH SCHOOL GRADUATES have attended such post-secondary schools as Harvard, Dartmouth, MIT, Boston College, US Military Academy, University of Connecticut, University of New Hampshire, Keene State College, Southern New Hampshire University, Manchester Community College and other competitive schools. Continued learning pathways are the norm at West and many resources and support pieces are in place to make college a reality for anyone who attends West.

NOTABLE GRADS that have gone on to do pretty awesome things include; Maurice and Richard McDonald (co-founders of the McDonald's Corporation), Charles Revlon (founder of the Revlon cosmetic company), Josh Meyers (actor on MADtv and That '70's Show), Janel Bishop (1991 Miss Teen USA), and Seth Meyers (cast member of Saturday Night Live and current host of Late Night with Seth Meyers).

SCHOOL REDESIGN VISION ALWAYS MOVING FORWARD

Our goal is to transform West into a student-centered, competency-based high school in which

students transcend the school walls to experience diverse, authentic learning opportunities and develop the competencies required for the 21st century alongside our community's myriad educational, business, and nonprofit organizations with whom we will partner. Students will be supported to design a Personalized Learning Plan (PLP), with multiple pathways by which to explore their individual interests while meeting academic competencies. The purpose of the West High School redesign is to institute a learning environment that provides students the opportunity to develop into the lifelong learners they need to be in the 21st Century. We are working to establish competency based learning (embodied by the 5 Cs); establishing standards that reflect the knowledge and skills necessary to be responsible learners and citizens. We are working to establish mentoring relationships in our advisory classrooms, to ensure every student has a meaningful adult connection. We are fostering relationships with local businesses, to connect learners and learning to the community and life after high school. We are enhancing our teaching practices to create culturally responsive classrooms; meeting learners where they are and helping them get to where they need to be. In an effort to continually improve, we are constantly reflecting on our practices to ensure that we are always working toward improvement. We are developing processes to communicate WHS news and information to the staff and community.

PILLARS - THE 5 C'S

Graduates from West High School will be ready to take on the demands of the 21st Century by being able to **CRITICALLY THINK, COMMUNICATE, COLLABORATE, be CREATIVE, exercise good CITIZENSHIP.**

GRADE PLACEMENT

A student will achieve the grade level listed when the corresponding credits have been earned:

Sophomores —> 4 credits
Juniors —> 9 credits
Seniors —> 15 credits

WITHDRAWAL FROM CLASS

Students are given many opportunities to make suitable choices in selecting courses and classes through the various orientation programs. It is essential that students plan their schedules so that withdrawals are limited.

CLASS WITHDRAWAL POLICY - Students who wish to change their schedule, including "dropping" a course, must complete a schedule change form. This form must be signed by the teacher, Building Level Instructional Leader (BLIL), and parent/guardian. It is reviewed by their school counselor who will make a final determination about any changes to the student's schedule. If the change is approved, then the student will get a new schedule from their guidance counselor. Students will receive a "W" (Withdrawal) or "WF" (Withdrawal Failure) depending on the situation.

MANCHESTER SCHOOL DISTRICT GRADING SCALE

NUMBER		LETTER		UNWEIGHTED			
WEIGHTED GPA		GRADE		GPA		HON	
VALUES	ACP	CCP	FND				
100-90	A		4.00	12.00	10.00	8.00	6.00
89-85	B+		3.50	10.50	8.75	7.00	5.25
84-80	B		3.00	9.00	7.50	6.00	4.50
79-75	C+		2.50	7.50	6.25	5.00	3.75
74-70	C		2.00	6.00	5.00	4.00	3.00
69-65	D		1.00	3.00	2.50	2.00	1.50
64-0	F		0.00	0.00	0.00	0.00	0.00
	WF		0.00	0.00	0.00	0.00	0.00
	N		AUDIT	NO VALUE			

HONOR ROLL DISTINCTION

Principal's List is an average between 3.85 and 4.00; High Honors is an average between 3.5 and 3.84; Honor Roll is an average between 3.0 and 3.49. Students who fail classes are not eligible for principal's list, honors or high honors.

GRADUATION RECOGNITION(S):

DIPLOMA WITH DISTINCTION - Students in the Manchester School District are eligible for this honor when they have acquired at least twenty-five (25) credits, completed a minimum of four consecutive semesters in MSD and have an unweighted GPA of a 3.0 (B average) or better.

NEW HAMPSHIRE STATE SCHOLARS - Students who are invited to be a New Hampshire State Scholar meet a rigorous core course of study criteria in order to receive this honor. Students will complete four (4) credits of English, four (4) credits of math including Algebra II, three (3) credits of lab-based science beyond Physical/Earth Science, three and a half (3.5) credits of social studies and two (2) credits of the same world language. When criteria for New Hampshire State Scholars is met, the student will receive a medallion of distinction at their Class Day ceremony and a New Hampshire State Scholar Seal will appear on their diploma.

SEAL OF MULTILITERACY - This recognizes students who have studied and gained demonstrated proficiency in two (2) or more languages by the end of their high school career. The award acknowledges the rich cultural and linguistic assets of our multilingual students. This honor demonstrates both the hard work of the student and West High School's commitment to prepare every student with the knowledge and skills needed to successfully participate in 21st Century college and career pathways.

EARLY GRADUATION POLICY (BOSC Instruction 130)

The Board of School Committee supports early graduation as a means to earning a high school diploma. Parental involvement for students under the age of 18 is required. Students wishing to participate in early graduation must:

- Submit a written request to his/her school principal no later than one academic semester prior to the desired date of graduation.
- The written request shall include a statement of reason for early graduation as well as the student's post-secondary plan.
- Meet all local and state requirements for graduation as determined by the school principal.
- A student who has successfully met the criteria established above, at the discretion of the principal, shall receive his/her diploma. S/He shall be eligible for all graduation activities and events for his/her year of graduation. Pending the issuance of diploma, early graduates shall be given a letter certifying completion of graduation requirements.
- Any student approved for early graduation in three (3) or fewer years has the option of participating in the graduation exercises of the current year or in the student's class year.

Early graduation requests shall be granted by the principal if:

1. The aforementioned requirements are met.
2. Early graduation is related to the student's educational or career plans.
3. There are other reasons sufficient to justify the request to graduate early.

MANCHESTER HIGH SCHOOL GRADUATION REQUIREMENTS BASED ON NHDOE GUIDELINES		REQUIRED COURSE SELECTION TIMETABLE	
4 Credits	ENGLISH	<u>GRADE 9</u> - SIX (6) Credit Minimum ENGLISH 1 (1 CREDIT) MATH 1, ALGEBRA 1A, ALGEBRA 1 or GEOMETRY (1 CREDIT) PHYSICAL SCIENCE: CHEMISTRY & PHYSICS (1 CREDIT) WORLD HISTORY (1.0 CREDIT) *NEW PHYSICAL EDUCATION, WALKING FOR FITNESS, or TEAM SPORTS (0.5 CREDIT) HEALTH EDUCATION (0.5 CREDIT) *ARTS EDUCATION (0.5 CREDIT) ICT (0.5 CREDIT) ELECTIVES (0.5 CREDIT) MINIMUM	
2.5 Credits	SOCIAL STUDIES 0.5 Credit - American Civics (Sophomore Year) 0.5 Credit - World History or World Geography (Freshman Year) 1 Credit - United States History (Junior Year) 0.5 Credit - Economics (Senior Year)	<u>GRADE 10</u> - SIX (6) Credit Minimum ENGLISH 2 (1 CREDIT) MATH 2, ALGEBRA 1B, ALGEBRA 1, GEOMETRY, or ALGEBRA 2 & TRIGONOMETRY (1 CREDIT) BIOLOGY 1 (1 CREDIT) WORLD HISTORY SURVEY (0.5 CREDIT) or WORLD GEOGRAPHY (1 CREDIT) or CIVICS (0.5) CREDITS ELECTIVE PHYSICAL EDUCATION or TEAM SPORTS (0.5 CREDIT) ELECTIVES - (2.0 CREDITS) MINIMUM	
3 Credits	MATHEMATICS 1 Credit - Must be the study of Algebra (4 Years of mathematics or 3 years and courses that apply mathematics concepts and/or principles.)	<u>GRADE 11</u> - FIVE (5) Credit Minimum ENGLISH 3 or ELECTIVES (1 CREDIT) MATHEMATICS (1 CREDIT) US HISTORY (1 CREDIT) ELECTIVES - (2.0 CREDITS) MINIMUM	
2 Credits	SCIENCE 1 Credit - Physical/Earth/Space Science (Freshman Year) 1 Credit - Biological Science (Sophomore Year)	<u>GRADE 12</u> - FIVE (5) Credit Minimum ENGLISH 3 or 4 or ELECTIVES (1 CREDIT) ECONOMICS (0.5 CREDIT) ELECTIVES - (3.5 CREDITS) MINIMUM	
0.5 Credit	HEALTH EDUCATION Freshman Year	*ART/MUSIC/THEATRE (0.5 CREDIT) IS RECOMMENDED DURING THE FRESHMEN YEAR	
1 Credit	PHYSICAL EDUCATION Freshman and Sophomore Years (0.5 Credit each year - 2 season athletic team membership option available, see guidance counselor for details)		
0.5 Credit	ARTS EDUCATION (Recommended to be taken in the freshman year)		
0.5 Credit	DIGITAL LITERACY REQUIREMENT (ICT)		
5 Credits	From any of the school's ELECTIVE OFFERINGS		
MINIMUM NUMBER OF CREDITS NEEDED TO GRADUATE - 20			

MANCHESTER SCHOOL OF TECHNOLOGY (MST)

COURSE OFFERINGS

1705/1706 Collision Repair & Refinishing Technology 1	1751/1752 Green Technology 2	1909/1910 Manufacturing Technology 1
1707/1708 Collision Repair & Refinishing Technology 2	1757/1758 Residential Carpentry 1	1911/1912 Manufacturing Technology 2
1709/1710 Auto Technology 1	1759/1760 Residential Carpentry 2	3731/3732 Cosmetology 3
1711/1712 Auto Technology 2	1761/1762 Electrical Technology 1	Students can enroll in MST courses in their JUNIOR year at WEST. They must be 16 years of age. MST is the Manchester School District's career and technology school. All students are encouraged to consider their offerings.
1713/1714 Careers in Education 1	1763/1764 Electrical Technology 2	
1715/1716 Careers in Education 2	1765/1766 Residential Plumbing 1	
1729/1730 Cosmetology 1	1767/1768 Residential Plumbing 2	
1731/1732 Cosmetology 2	1769/1770 Public Safety & Law 1	
1733/1734 Culinary Arts 1	1771/1772 Public Safety & Law 2	
1735/1736 Culinary Arts 2	1777/1778 Video & Digital Media 1	
1737/1738 Design Communication 1	1779/1780 Video & Digital Media 2	
1739/1740 Design Communication 2	1793/1794 Business Principles 1	
1741/1742 Game Design & Graphics 1	1795/1796 Business Principles 2	
1743/1744 Game Design & Graphics 2	1807 Fire Science 1 (Semester 1 Seniors Only/Double Block)	
1745/1746 Health Science Technology 1	1812 EMT Basic - (Semester 2 Seniors Only/Double Block)	
1747/1748 Health Science Technology 2	1897/1898 Residential HVAC 1	
1749/1750 Green Technology 1	1899/1900 Residential HVAC 2	

CO-CURRICULAR PROGRAMS AT MANCHESTER HIGH SCHOOL WEST

NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS - The NJROTC program motivates students to complete high school and pursue higher education and as a result more than sixty (60) percent of graduating cadets continue on to further their studies. This citizenship and leadership program does not have any military commitment. It includes character education which teaches values, principles, and self-discipline. It provides support, structure and encourages a healthy and fit lifestyle. Students living in Manchester who are eligible to attend a MSD high school may participate in this program. Those choosing to participate in NJROTC are enrolled as full-time students at West High School. Cadets accepted for enlistment, who provide evidence of successful completion of at least 3 years of NJROTC, are entitled to advanced promotion to pay grade E-3 upon initial enlistment in an active or reserve component of the Army, Navy, or Air Force, and pay grade E-2 in the Marine Corps; or completion of 2 years are entitled to E-2 in the Marine Corps and Air Force. 20% of cadets take advantage of this opportunity and join the one of the armed forces.

MANCHESTER SCHOOL OF TECHNOLOGY CTE PROGRAM - Manchester School of Technology (MST) is one of the largest of the Career and Technical Centers in New Hampshire and an integral part of the public-school system of the City of Manchester. MST has provided high school students from Manchester with unique opportunities for developing high technology career and college skills since it opened in 1982. West High School students may attend any of the various career and technical programs that MST has to offer. Students who graduate from the program at MST are awarded a minimum of four (4) credits and in some cases will receive a certification in their career field.

ADVANCED PLACEMENT COURSES THROUGH THE COLLEGE BOARD - Advanced Placement courses are courses that students can take for college or university credit. AP course credit is not specific to any one higher education partner, instead AP credits are recognized by hundreds of colleges and university throughout the world. Explore the College Board website for a list of programs and schools, speak to an AP teacher or school counselor to learn more about AP courses.

RUNNING START - The New Hampshire Running Start Program is a higher education initiative for high school students. It provides students the opportunity to enroll in courses at their high school that will also give them college credit through Manchester Community College. There is a range of courses and credit awards to explore. Students will have the opportunity to take advantage of the dual credit opportunities at the beginning of courses by completing an application and submitting the course registration fee for each class. Once the registration period closes, students will not be allowed to register for college credit. See the complete list of offerings in the school counseling office if interested in additional information and to enroll.

SNHU IN THE HIGH SCHOOL DUAL ENROLLMENT PROGRAM - Southern New Hampshire University in the High School Dual Enrollment Program allows high school students the opportunity to earn college credits while in high school. Courses at West are designed to meet the same content, rigor, and learning outcomes as those offered at

SNHU. The high school teachers instructing these courses have met the University's adjunct faculty requirement and have been approved by the University. Students will have the opportunity to take advantage of the dual credit opportunities at the beginning of the courses by completing an application and submitting the course registration fee for each class. Once the registration period closes, students will not be allowed to register for college credit. Since these courses are college courses, grades earned are recorded on a SNHU transcript. Portability and transferability of credits rests solely with the individual colleges and universities as they have varying policies on accepting transfer credits; thus, it is the student's responsibility to consult with higher educational institutions to determine whether the SNHU course(s) can be transferred. Additional information regarding the program can be obtained from a high school administrator or school counselor.

ACCESS ACADEMY PROGRAM - This program is a partnership between St. Anselm College and West High School. It provides Extended Learning Opportunities to students. The college's service-learning students work with high school sophomores and juniors to start them on the path towards higher education. Along with eight content-area electives, students can develop a college timeline, learn how to apply for admission, navigate the financial aid process, explore college majors and much more. Participants will visit the college campuses and meet with staff and interact with current students. Once complete, the high school student will present what they have experienced and learned through the program. They will receive one-half credit for each course taken towards their graduation requirements.

CATHOLIC MEDICAL CENTER (CMC) SHADOW/INTERNSHIP - CMC offers shadows and internships based on students' interests. There are a variety of departments available such as nursing, patient transport, security, IT, accounting, radiology, public relations, surgical group, facilities, pregnancy care, physical therapy and special care nursery. Students work alongside practitioners in the field completing meaningful tasks that allow them to experience what it feels like to work at a hospital. Students will reflect on their learning and connect it to the coursework they are doing in school through a weekly journal. A final project from each student is expected within two weeks after the shadow or internship is complete. While each internship will look different, internship supervisors in the field will be an integral part of the assessment of learning outcomes.

MY TURN/WORK-BASED LEARNING - Students get to work on job readiness skills including: resumes, cover letters, interviewing for jobs, and appropriate workplace behavior. They also have the opportunity to explore livable wage careers and trade programs. Paid positions in the summer as part of the MY TURN Summer Program are also possibilities. In addition to career readiness, staff provide instruction and lessons on financial literacy, self-advocacy, improving basic skills, goal setting, and post-secondary planning and exploration. Staff also provide students with assistance and/or class time to complete assignments for other courses as needed. Opportunities for field trips such as: Construction Career Day (a day full of hands on activities that introduces students to various careers in the construction industry), College Tours, Industry Tours, and

other relevant experiences. Guest speakers are invited into class to speak with students on a variety of topics including: financial literacy, goal setting, overcoming obstacles, financial aid, college admissions, interviewing for jobs, etc. When students graduate and are exited from the program, they receive two years of follow up services. This means that staff and students maintain regular communication, and staff provide services each month to assist students with gaining/retaining employment, support for post-secondary school or training, navigating life after high school, etc.

UPWARD BOUND - The University of New Hampshire (UNH) works directly with West students through this program. Students who participate in Upward Bound (UB) live at UNH for six weeks during the summer, take college classes, engage in workshops, activities, and trips. During the school year, UB students participate in college exploration trips, receive tutoring, and meet twice monthly with an advisor. The advisor provides assistance with college selection, the application process, financial aid, and SAT preparation. Interested first and second year students should see their school counselor for more information. Upward Bound is free to eligible students who are chosen to participate.

EDUCATION TALENT SEARCH - This program provides support to students who face cultural or financial obstacles that make the pursuit of education beyond high school difficult or impossible. ETS is funded by the US Department of Education and is offered at no cost to eligible participants. ETS counselors assist and motivate students to succeed in secondary school. Financial aid, career exploration, and researching college and vocational programs for college are all topics addressed by ETS and its counselors.

COMMUNITY SERVICE CREDIT(S) - Students can earn one-half credit each school year by completing 75 hours of community service. These hours must be documented and confirmed in order to get the credit. Approved credits appear as an elective and will not receive a letter grade. Students must seek out a school counselor, or ELO Coordinator for further information.

STUDENT ASSISTANCE PROGRAM - The Student Assistance Program (SAP) is a comprehensive, school-based counseling and education program that provides early intervention and referral services for students who are experiencing challenges to their academic success at West. Student support is provided for a range of issues that includes substance abuse, anxiety, depression, anger, and trouble socializing with peers and adults.

THEATRE KNIGHTS - This nationally recognized group performs every year and attends regional and national festivals. See the Theatre section towards the end of this program of studies for more insight and details.

ART

GRADUATION REQUIREMENT (0.5 CREDIT)

The classes listed in this section make up the visual art course of study at West High School. They all satisfy the fine and performing art credit required by the State of New Hampshire for graduation. The goal of these courses is to instill an understanding of and appreciation for the visual arts. Students learn how to find, view, discuss, create and criticize art. NOTE: Students who wish to pursue a serious study in art should seek the input of faculty for placement and pathway. Students who have completed the advanced middle school course may choose to use it as the prerequisite for courses that require completion of Foundations of Art and Design.

FUNDAMENTALS OF ART 1 (1209)

College Prep., Semester, 0.5 credit.

This course (FAD1) is designed for students who wish to engage in a range of media, techniques and cultural influences related to art making and art appreciation. The focus of class is to expose the student to the art elements, basic design principles and fundamental color theory utilized historically by artists. Students pursuing a pathway in the visual arts are advised to complete both FAD1 and FAD2 as they are prerequisites for advanced courses.

FUNDAMENTALS OF ART 2 (1210)

College Prep., Semester, 0.5 credit.

This course (FAD2) is designed for students who plan to take advanced courses in visual arts. They experiment with a range of media and techniques related to art making and art appreciation. The focus of class is to develop the artistic skills and techniques required to apply art elements, design principles and processes to create visual art. Students pursuing a pathway in the visual arts are advised to complete both FAD1 and FAD2 as they are prerequisites for advanced courses.

DRAWING (1235/1236)

College Prep., Year, 1 credit.

Prerequisite: FAD1 and/or FAD2 with visual art faculty approval.

This course challenges the student to solve visual problems through mark making. They apply drawing techniques, processes and compositional skills to create images. The focus of class is to develop observational, illustrative and imaginative problem solving. This satisfies the prerequisite for advanced studio art classes and is required for further advanced drawing classes. It is strongly recommended for any future visual art courses.

ADVANCED DRAWING

(1238 Drawing 2, 1240 Drawing 3)

Honors, Semester, 0.5 credit.

Prerequisite: Drawing.

This course challenges the student to solve visual problems through mark making. They apply drawing techniques, processes and compositional skills to create images. The focus of class is to refine observational, illustrative and imaginative problem solving. This course does satisfy the prerequisite for advanced studio art classes and is required for further advanced drawing classes.

AP STUDIO ART AND DESIGN

(1295/1296) Honors, Year, 1 credit.

PORTFOLIO PREPARATION (1293/1294)

College Prep., Year, 1 Credit

Prerequisite: ADVANCED DRAWING, POTTERY, or PHOTO or visual art faculty approval.

The goal of this course is to craft a portfolio that scores a 3 or above when submitted to the college board. This result will give the student the opportunity to receive college credit for this course. AP students are expected to use a wide range of technique, process and media to complete this portfolio. A focus on meaning, context and mastery of craft drives the work. Students will create, discuss, write about and display all of their work. A student show is part of the grade for each semester. College visitations, art appreciation trips and art-based community activities are expected from students who take this course. For those who are either working towards this or do not wish to take the AP version, a college preparatory offering can be taken.

POTTERY (1266)

College Prep., Semester, 0.5 credit.

Prerequisite: FAD1 and/or FAD2 with visual art faculty approval.

This course introduces the student to the decorative and functional aspects of pottery. Using clay, the student applies techniques, processes and construction skills to build, join, design and elaborate three-dimensional art pieces. This course is required for advanced pottery class.

ADVANCED POTTERY

(1271 Pottery 2, 1273 Pottery 3)

College Prep., Semester, 0.5 credit.

Prerequisite: Pottery with visual art faculty approval.

This course develops the student's decorative and functional understanding of pottery. The student will apply the lessons learned from Pottery 1266 and be exposed to further techniques with the goal of creating more elaborate three-dimensional art pieces. The student may

take this class multiple times for credit and in doing so will have the opportunity to explore their niche in the ceramic field. It serves as a prerequisite for 3D Design Portfolio class.

SCULPTURE (1275)

College Prep., Semester, 0.5 credit.

Prerequisite: FAD1 or FAD2 with visual art faculty approval.

This course develops the student's decorative and functional understanding of sculpture. Using a wide range of materials, the student will apply techniques, processes and construction skills to build, join, design and elaborate three-dimensional art pieces. This course does not satisfy the prerequisite for all studio art courses but is required for advanced sculpture class.

ADVANCED SCULPTURE (1276)

College Prep., Semester, 0.5 credit.

Prerequisite: Completion of Sculpture with teacher approval.

This course further develops the student's aesthetic awareness and functional understanding of sculpture. The student will apply the lessons learned from Sculpture, be exposed to further techniques and materials with the goal of creating more elaborate three-dimensional art pieces. The student may take this class multiple times for credit and in doing so will have the opportunity to explore their niche in the sculptural field. It serves as a prerequisite for 3D Design Portfolio class.

ART FOR CIVIC ENGAGEMENT (1223)

College Prep., Semester, 0.5 credit.

Art has often been used as a catalyst for social change & community representation. Throughout history, communities such as LGBTQ+, women, multicultural, people of color, environmentalists and more have used art in attempts to promote awareness and recognition in communities of a conversation that can be both social and internal. Throughout this course students will learn about global artists that have used their work in this manner within their communities. They will learn how to make projects that are expressive for themselves, however they identify, others or for the communities they associate or connect with. Students should be prepared to work in any medium that is fitting for their projects and willing to collaborate and use art as a medium for change. Students will do research in an area of interest during the semester, create work based on their research and get an approved public community space for the final exhibition.

SMARTPHONE PHOTOGRAPHY (1224)

College Prep., Semester, 0.5 credit.

Prerequisite: FAD1 and/or FAD2 with visual

art faculty approval. This class is a photo option that allows the student to explore digital photography through the use of their smartphone. Students will be given a range of assignments including subjects to explore and visual challenges to solve using techniques, apps and processes in this digital age. Students will experiment with composition, color, and editing skills during assignments. Students may be required to purchase apps and print images on their own. This class is not a prerequisite for advanced study in photography.

DARKROOM PHOTOGRAPHY (1225/1226) College Prep., Year, 1 credit.
Prerequisite: FAD1 and/or FAD2 with visual art faculty approval.
This course is designed for students who desire to study visual art and history through the discipline of the traditional analog photographic process. They are exposed to film techniques, processes and compositional issues used in photography. The focus of this class is to develop film, proper use of the darkroom and to display skills required to create a compelling image. Students will have the opportunity to work in 35mm, medium and large format, photo books, use studio lights, intro to digital technology, and develop a cohesive body of work. This course may serve as a prerequisite for advanced 2D design studio art class and is required for further photographic study. Supplies including film, chemistry and paper are provided. A 35mm manual film camera is required, preferably provided by the student, as there is a limited amount of loaner cameras that are available upon request.

ADVANCED PHOTO (1227)
Honors, Year, 1 credit.
Prerequisite: Visual art faculty approval.
This course challenges the student to solve visual problems through the photographic, digital and film processes. They apply techniques, processes and compositional skills to create images through a variety of images to create a strong 2D Photo Portfolio for college submission. The focus of class is to develop observational, compositional and visual problem solving along with gaining mastery in their craft while providing context and meaning for their work. This class is highly recommended for any student who would like to pursue photography beyond high school.

COLLABORATIVE COMMUNITY ARTS (1279)
College Prep., Semester, 0.5 credit.
Prerequisite: Visual art faculty approval.
Collaborative Community Arts is a place-where student voices are heard and students

work together to beautify the school for positive change. In this class students collaborate on ideas to pursue throughout the school that boost morale and school culture. We will communicate our ideas with one another as well as work with various groups of students throughout the semester. This class is an opportunity to change the climate at West by creatively thinking about what our students need and strive to make a welcoming space that represents all learners. This class is a major part of our West community by actively participating outside the classroom in our surrounding spaces fostering a positive collaborative environment. Students will primarily work with large to small mural design and the medium of paint.

PAINTING 1 (1245/1246)
College Prep., Year, 1 credit.
Prerequisite: FAD1 or FAD2 with faculty approval. This course challenges the student to solve visual problems through painting. They apply techniques, processes and compositional skills to create images through a variety of wet media. The focus of class is to develop observational, compositional and visual problem solving. This course does satisfy the prerequisite for advanced studio art classes and is required for further painting study. It is strongly recommended for portfolio students.

PAINTING 2 (1248), PAINTING 3 (1248)
College Prep., Semester, 0.5 credit.
Prerequisite: Painting 1
This course challenges the student to solve visual problems through painting. They apply techniques, processes and compositional skills to create images through a variety of wet media. The focus of class is to refine observational, compositional and visual problem solving. This course does satisfy the prerequisite for advanced studio art classes and is required for further painting study. It is strongly recommended for portfolio students.

BUSINESS EDUCATION

GRADUATION REQUIREMENT 0.5 CREDIT
The classes listed in this section make up the business and computer education course of study at West High School. The goal of these courses is to instill an understanding of business and computing standards required for students to succeed in both their personal lives and the professional world. All students are required to complete a 0.5 credit in Computer Education to satisfy the State of New Hampshire requirements for graduation.

(ICT) INFORMATION, COMMUNICATION & TECHNOLOGY (1416)
College Prep. Semester, 0.5 credit.
This course will provide students the technology skills necessary to be successful throughout their high school careers. Topics will include computer hardware, productivity software (Microsoft Office) networks, and digital citizenship. This course satisfies the state computer literacy requirement for high school graduation. Three college credits may be earned through the Running Start program if you are a junior or senior.

(ICT) INFORMATION, COMMUNICATION & TECHNOLOGY (1417)
Honors. Semester, 0.5 credit.
This course will provide students the technology skills necessary to be successful throughout their high school careers. Topics will include computer hardware, productivity software (Microsoft Office) networks, and digital citizenship. This course satisfies the state computer literacy requirement for high school graduation. Three college credits may be earned through the Running Start program if you are a junior or senior.

EDTECH STUDENT HELP DESK (1501)
Honors. Semester, 0.5 credit.
This course is conducted as a student-led technology help desk where students work independently or in teams. These teams provide training and support with a focus on educational technology in their school’s community. Students will answer the question: “What does it take to be a Digital Leader?”

ACCOUNTING 1 (1471/1472)
College Prep. Year, 1 credit.
This class presents the fundamental principles and methods of keeping financial records for a service and merchandise business. The course will provide students with an understanding of the business cycle, finance and digital literacy. Three college credits may be earned through the Running Start program partnership with the Manchester Community College.

ENTREPRENEURSHIP (1467/1468)
College Prep. Year, 1 credit.
This course is an instructional program that provides background for the development and operation of a business. Students study the role of entrepreneurship in our economy, develop business plans, apply marketing skills and concepts within the business environment. Students have the option to join DECA and operate the school store. This course meets the Economics competency requirement.

**FUNDAMENTALS OF MARKETING 1
(1431/1432)**

College Prep. Year, 1 credit.

This course provides an instructional program for students who are interested in a career in the field of marketing and management. This course includes instructional areas designed to provide an understanding of the fundamental marketing processes and an orientation to the American free enterprise system. The program may utilize the Marketing Education internship to support classroom instruction. Students have the option to join DECA and also run and operate the school store. This course may be used to meet the competency for Economics.

**FUNDAMENTALS OF MARKETING 2
(1435/1436)**

College Prep. Year, 1 credit.

This course provides an instructional program for students who are interested in a career in the field of marketing and management. Instruction will prepare students to perform one or more of the marketing functions, such as selling, buying, pricing, promoting, market research and management. The program may utilize the Marketing Education internship to support classroom instruction. Students have the option to join DECA and also run and operate the school store. This course may be used to meet the competency for Economics.

**SPORTS AND ENTERTAINMENT
MARKETING (1507/1508)**

College Prep. Year, 1 credit.

This course offers an instructional program that focuses on marketing and management of sports and entertainment events. Students will develop and apply skills related to the business, organization and promotion of sports or entertainment events. Merchandising, budgeting and advertising will be researched, and students will apply this learning to the operation of the school store. Students have the opportunity to join DECA and participate in group sponsored activities.

**FUNDAMENTALS OF MARKETING 3
(1503/1504)**

College Prep. Year, 1 credit.

Prerequisite: Marketing 2, Intro to Business or approval of instructor.

Students build knowledge gained in a prior marketing course or entrepreneurship course. They will participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. Classroom instruction will be reinforced through the use of case studies, field studies, guest lecturers, and work-based learn-

ing experiences. Work to learn is available for this course where students combine classroom instruction and supervised on-the-job training in an approved position with continued supervision throughout the school year. Students will have to apply and adapt to certain standards to be considered for the work-to-learn opportunity.

ENGLISH

GRADUATION REQUIREMENTS: All students must take four (4) credits of English over their four years of high school. Freshmen must take English 1. Sophomores must take English 2. Juniors must take English 3, American Studies, or AP Literature & Composition. Seniors must take one of the following full year courses: English 4, Writing & Sports Literature, AP Literature & Composition or a combination of semester courses in which one must be in reading and the other in writing.

**FRESHMAN ENGLISH GRADUATION
REQUIREMENT 1 CREDIT**

The classes listed in this section make up the first-year English course of study at West High School. They meet the English credit requirements required by the State of New Hampshire for graduation. The goal of these courses is to instill an understanding of and appreciation for English as a way of communicating, expressing and understanding.

ENGLISH 1 (0203/0204)

Foundations. Year, 1 credit.

This survey course is designed to introduce students to the high school English course of study. Students will develop reading, writing and communication skills through the exploration of literature and the writing process.

Vocabulary development, writing prompts and the reading of supplementary novels will be required in this course.

ENGLISH 1 (0205/0206)

College Prep. Year, 1 credit.

This course employs challenging reading selections in the literary genres of fiction, non-fiction, drama, and poetry. It provides instruction in critical, analytical, and MLA-guided expository writing. These skills, along with grammar and vocabulary, will be demonstrated through the writing and discourse process.

ENGLISH 1 (0207/0208)

Honors. Year, 1 credit.

This course offers students an intensive and rigorous academic experience in English. An analytical and critical look at the challenging literary genres of fiction, non-fiction, drama,

and poetry. Students will undertake a formal study of the writing process developing and reinforcing skills and abilities at each stage of the writing process. MLA-guided writing will be required in this course. This course requires intensive classroom discussion and inquiry-based learning. Note: Mandatory summer reading: *A Separate Peace* by John Knowles and *Lord of the Flies* by William Golding.

**SOPHOMORE ENGLISH GRADUATION
REQUIREMENT 1 CREDIT**

The classes listed in this section make up the second-year English course of study at West High School. They meet the English credit requirements required by the State of New Hampshire for graduation.

ENGLISH 2 (0223/0224)

Foundations. Year, 1 credit.

In this British Literature based course, students will read high interest text selections as well as whole novels. An emphasis on reading, writing and communication skills will be a primary focus for this course. Vocabulary and supplemental novels will be required as part of this course.

ENGLISH 2 (0225/0226)

College Prep. Year, 1 credit.

This course will emphasize an understanding and appreciation of the development of British Literature from the Anglo-Saxon era to the present. This genre-based course provides students with traditional and contemporary selections of fiction, non-fiction, drama, and poetry. The development of reading, writing, vocabulary, and oral communication skills is emphasized. The writing process is an integral part of the course and requires a MLA-based research paper.

ENGLISH 2 (0227/0228)

Honors. Year, 1 credit.

This course provides a rigorous and challenging academic study of British Literature from the Anglo-Saxon era to the present. The class requires extensive examination of the research process, outside readings, and discussion-based inquiry. A focus on fostering critical and analytical skills is an important part of this course. Classroom discussion and summer reading are both requirements for this course. Note: Mandatory Summer Reading: *The Lord of The Rings* by J.R.R. Tolkien and *The Once and Future King* By T. H. White.

"Intelligence plus character—that is the goal of true education"
Dr. Martin Luther King Jr.

**JUNIOR ENGLISH GRADUATION
REQUIREMENT 1 CREDIT**

The classes listed in this section make up the third-year English course of study at West High School. They meet the English credit requirements required by the State of New Hampshire for graduation.

ENGLISH 3 (0243/0244)

Foundations. Year, 1 credit.

This course will emphasize an understanding and appreciation of the development of American Literature from the Puritan Age to the present. Students will read high interest text selections as well as whole novels. An emphasis on reading, writing and communication skills will be a primary focus for this course. Vocabulary and supplemental novels will be required as part of this course.

ENGLISH 3 (0245/0246)

College Prep. Year, 1 credit.

This course will emphasize an understanding and appreciation of the development of American Literature from the Puritan Age to the present. The first part of the course will range through the Civil War. The second part of the course will deal with the more contemporary American writers. This genre-based course provides students with traditional and contemporary selections of fiction, non-fiction, drama, and poetry. The development of reading, writing, vocabulary, and oral communication skills is emphasized. The writing process is an integral part of the course and requires a MLA-based research paper.

ENGLISH 3 (0247/0248)

Honors. Year, 1 credit.

This advanced course in American Literature from the seventeenth to the twentieth century will be offered to students who would benefit from such an accelerated course. Students will be exposed to the information covered in English 3 but analysis of literary works will be more intensive and exhaustive. Students will read more authors and study them in greater depth than they would in a Level 3 course. Students will be expected to write frequent and lengthy essays on a variety of literary topics. The writing process will be an integral part of the course with a required MLA-based research paper. Note: Mandatory Summer Reading: *The Sun Also Rises* by Ernest Hemingway, *The Scarlet Letter* by Nathaniel Hawthorne and *Their Eyes Were Watching God* by Zora Neale Hurston.

**AMERICAN STUDIES LITERATURE
(0255/0256) or (0457/0458)**

College Prep. or Honors. Year, 1 credit.

American Studies offers the unique experience of a team-taught course in high school. Geared

to meet the need of the academically inclined student, the course combines American Literature and US History in order to properly and thoroughly examine the American character and those events, thoughts, and people who helped shape it from the age of exploration to the present. Students interested in taking the course should possess an excellent reading ability and interest in developing public speaking skills. This double course fulfills the requirement of US History and English 3, and attention is given to preparing the student to take AP exams in US History and English Literature. Students who participate in the course may also be eligible to receive college credits through SNHU dual enrollment program. Students are required to complete a summer reading assignment: *The Hotel at The Corner of Bitter and Sweet* by Jamie Ford.

**AP ENGLISH LANGUAGE &
COMPOSITION (0275/0276)**

Honors. Year, 1 credit.

This teaches students to be skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. Through intensive reading, writing, and practice exercises students will prepare to take the AP exam in English Language and Composition. This course is typically taken in the junior year and summer reading is required for this class. Note: Mandatory Summer Reading: *Man's Search for Meaning* by Viktor Frankl and *Beyond Civilization: Humanity's Next Great Adventure* by Daniel Quinn.

**SENIOR ENGLISH GRADUATION
REQUIREMENT 1 CREDIT**

The classes listed below make up the fourth-year English course of study at West High School. They meet the English credit requirements required by the State of New Hampshire for graduation. Seniors must take one of two full year (non-makeup) courses or two semester courses. The Semester Course Option is for those seniors looking for a more specific focus in their study in preparation for graduation. IMPORTANT: Students must choose one (1) writing course and one (1) reading course. Students may take more than one of either but may not take (2) writing or (2) reading courses to fulfill their requirement unless they have permission from the administration.

**LITERATURE AND COMPOSITION
(0343/0344)**

Foundations, Year, 1 Credit.

This course will only be available to seniors who need to complete either English 1 or English 2. It will combine a study of literature with further refinement in the art of writing. Various types of literature will be examined

and many types of writing will be explored.

Note: Students who require only one semester may take either semester of the course to obtain the 0.5 credit they need.

ENGLISH 4 (0261/0262)

Foundations, Year, 1 Credit.

This course is a survey course that focuses on reading pieces related to who you were, who you are and who you are going to be. The literature and writing explored is of a reflective nature and many modern novels and pieces are read and analyzed. Various types of literature will be examined and writing units range from creative writing to technical writing.

ENGLISH 4 (0263/0264)

College Prep., Year, 1 Credit.

This course is a survey course that focuses on reading pieces related to who you were, who you are and who you are going to be. The literature and writing explored is of a reflective nature and many modern novels and pieces are read and analyzed. Various types of literature will be examined and writing units range from creative writing to technical writing.

**WRITING & SPORTS LITERATURE
(0323/0324)**

College Prep. Year, 1 credit.

In this course, students will explore sports as a fundamental aspect of both American society and literature. Students will examine sports as subject, symbol, motif and metaphor in various types of texts. These include journalism, fiction, autobiography and film. This course relies heavily on class discussion, responsive writing, analysis and enjoyment of the sports literature genre.

**AP ENGLISH LITERATURE AND
COMPOSITION (0249/0250)**

Honors. Year, 1 credit.

This course hones higher order critical thinking skills and students' ability to answer analytical questions on a wide variety of great works of literature. Through intensive reading, writing, and practice exercises, students will be prepared to take the AP exam in English Literature and Composition. This course is typically taken in the senior year. Summer Reading is required. Note: Mandatory Summer Reading: *Persepolis* by Marjane Satrapi, *Into the Wild* by Jon Krakauer, *The Things They Carried* by Tim O'Brien and *The Kite Runner* by Khaled Hosseini.

**"There is no elevator
to success. You have
to take the stairs."**

Author Unknown

SENIOR YEAR SEMESTER WRITING COURSES**WRITING WORKSHOP (0284)**

College Prep. Semester, 0.5 credit.

This course is designed to increase students' writing proficiency in a variety of forms. Students will write using various strategies and techniques and understand the importance of writing for different audiences. Assignments will consist mainly of creative writing but will also include personal essay, argument, persuasion and exposition writing. Students will learn about content, organization, and function. Students will outline, draft, edit, and share their writing with fellow classmates. The class will culminate in a portfolio and self-reflections.

COLLEGE COMPOSITION (0286)

College Prep. Semester, 0.5 credit.

This course is designed for students interested in improving their expository writing skills by completing college-level work. The course will emphasize documented research, writing in multiple genres and critical responses to a variety of readings. This course is offered as part of the Running Start program through MCC.

CREATIVE WRITING (0290)

College Prep. Semester, 0.5 credit.

Creative Writing is for serious writers who want to challenge themselves. In a search for individual style and technique, students will write prose and poetry, focusing upon continuity and coherence. Students must meet the demands of the writing process: brainstorming, outlining, drafting, editing, critiquing, conferencing, presenting, and reading. The class will culminate in a portfolio and self-reflections.

JOURNALISM (0368)

College Prep. Semester, 0.5 credit.

This course is designed to increase the student's knowledge of reporting and writing news as well as the various functions of newspaper, magazine, radio, television, and Internet reporting. Course content will encompass media history, ethics, research writing techniques, and writing styles as students explore various and dynamic styles of writing. Students will write in a variety of forms including breaking news, features, editorials, reviews, political cartoons and photojournalism. Students should be expected to draft, revise and frequently share their writing.

"Develop a passion for learning. If you do, you will never cease to grow."

Anthony D'Angelo

SENIOR YEAR SEMESTER READING COURSES**SHORT FICTION (0314)**

College Prep. Semester, 0.5 credit.

Through an emphasis on critical reading of short stories, students examine the components of short fiction, including structure and theme. Students also compose essays and stories to enhance their writing skills.

MYTHOLOGY & FANTASY LITERATURE (0345)

College Prep. Semester, 0.5 credit.

This course will provide a study of popular classical myths of the Greek and Roman gods and heroes. Some work will also be done with the Arthurian Legend as well as American Folklore. Escapism, philosophy and imagination are major themes of the work covered in this course. A global approach to modern fantasy literature is taken to understand, analyze, and appreciate this popular genre. Stories will be read and discussed for their influence on art and literature as well as a means of explaining natural phenomena.

SOCIAL ISSUES IN LITERATURE (0355)

College Prep. Semester, 0.5 credit.

This course is designed to heighten students' awareness of literature as a means of conveying the impact of various social issues, including the history of book banning and censorship. This course will cover censorship in cartoons, kids' novels, and young adult and contemporary novels. It will cover censorship cases inside the United States and at West High School. Emphasis will be on close readings of short stories, two class novels and comparative analysis through written and oral presentation on a banned novel of your choice.

LITERATURE AND FILM (0362)

College Prep. Semester, 0.5 credit.

This course is designed to explore the relationship between the written word and the visual. Students will explore the world of film language, study the literary and film genres through mise-en-scènes, and explore the importance of film through movies, short stories, reading two novels adapted into film, and writing about the genre.

ENGLISH LEARNERS (EL)

GRADUATION REQUIREMENT FOR EL STUDENTS
The classes in this section make up the EL course of study at West High School. The goal of these courses is to instill an understanding of the English language and provide support for those striving to learn it. Students will learn about American culture, civic responsibility and literacy skills that aid them in their pursuit of happiness.

EL BEGINNER (2389/2390)

College Prep. Year, 1 credit.

A course designed for English learners (ELs) with beginning level English language proficiency (WIDA 0-2.9). This course is an intensive English class with a focus on development of both basic social communicative language and cognitive academic language. The course uses a multi-tiered system of support, including a reader's workshop model to accelerate language and literacy development. Students practice language across the content areas for a variety of communicative and academic purposes.

EL INTERMEDIATE (2391/2392)

College Prep. Year, 1 credit.

This class is focused on English learners (EL) with intermediate levels of English language proficiency. EL Intermediate promotes the development of academic English vocabulary in projects that require purposeful writing and public speaking. Students will continue to develop reading strategies and writing skills through a writer's workshop model to support academic development. Students will continue to practice language across the content areas for a variety of communicative and academic purposes.

EL ADVANCED (2393/2394)

College Prep. Year, 1 credit.

This course serves to support the advanced EL student who is working simultaneously to complete rigorous academic courses required for graduation. Students who take EL Advanced expand their academic vocabulary across a range of content areas. This thematic-based course emphasizes application of academic language in writing, research, and authentic project-based assessment.

EL INTRO TO US CIVICS (2369/2370)

College Prep. Year, 1 credit.

This semester long course is meant for English learners (ELs) with intermediate levels of English proficiency. The student will build background knowledge related to government, law and citizenship.

EL STUDY SKILLS (2371/2372)

College Prep. Year.

This course provides support for intermediate and advanced EL students who are taking rigorous academic courses at West. Students learn a variety of study skills and strategies to aid them including note-taking, academic reading, writing revision, time management and organization. Students are encouraged to take this course concurrently and in conjunction with other EL courses.

EL ACADEMIC WRITING (2397/2398)

College Prep. Year.

This course provides support for intermediate and advanced EL students who are taking rigorous academic courses at West. Students learn a variety of study skills and strategies to aid them including note-taking, academic reading, writing revision, time management and organization. Students are encouraged to take this course concurrently and in conjunction with other EL courses.

FAMILY & CONSUMER SCIENCE

ELECTIVE FOR GRADUATION CREDITS.

The classes listed in this section make up the family and consumer science course of study at West High School. The goal of this course of study is to prepare students with life skills that lead to healthy and responsible choices.

BAKING (1542)

College Prep. Semester, 0.5 credit.

This course is offered in the fall semester and introduces the student to basic concepts of baking and nutrition. These include measuring, combining, controlling temperature, and the properties of a variety of ingredients. Lab activities and academic research are required. Students will learn how to bake quick breads, yeast breads, pies, cakes and cookies. This course is recommended for any student who has an interest in pastry arts and a career in the food services industry.

FOODS AND NUTRITION 1 (1529)

College Prep. Semester, 0.5 credit.

Food and nutrition (FAN) is offered only in the second semester. Students will learn about a variety of food preparation techniques as well as nutritional information. Students will apply this knowledge through project-based learning. They will use this to analyze real-life experiences in the kitchen and beyond. This class is recommended for students considering a career in the food service industry as it develops important skills and provides important information related to that course of study.

INFANT AND CHILD DEVELOPMENT (1559/1560)

College Prep. Year, 1 credit.

This class focuses on the preparation for parenthood, prenatal development, birth and infancy as well as specific aspects of early childhood development. It explores the risks associated with unprotected sex including physical, psychological and social difficulties.

This course is recommended for any student who wants to raise a family or explore a career working with infants or children.

WORLD OF FOODS (1540)

College Prep. Semester, 0.5 credit.

Prerequisite: Baking and/or Food and Nutrition 1. This elective is for the student who is interested in learning to prepare foods from other countries and various regions of the United States. In addition, students will learn about the customs, culture and traditions of these regions. Students should be confident in their ability to prepare food using a variety of techniques and to research food related topics. Students will demonstrate this knowledge through writing prompts, hands-on activities and group discussion/presentation.

HEALTH & PHYSICAL EDUCATION

HEALTH GRADUATION REQUIREMENT 0.5 CREDIT

All students must take a health class in order to satisfy the requirements for graduation for the State of New Hampshire.

PHYSICAL EDUCATION GRADUATION REQUIREMENT 1 CREDIT

The classes listed below make up the physical education course of study at West High School. They all satisfy the credit requirements of the State of New Hampshire for graduation. The goal of these courses is to instill an understanding of and appreciation for healthful living and physical fitness.

HEALTH (1366)

College Prep. Semester, 0.5 credit.

The purpose of this course is to help students achieve and maintain health and wellness throughout their lives. Instructional content will include, but is not limited to, substance abuse, nutrition and human development, and communicable and non-communicable diseases.

PHYSICAL EDUCATION (1380)

Semester, 0.5 credit.

This course will focus on lifelong fitness activities such as weight training and cardiovascular exercises. Varying activities will be introduced to promote and educate students on how to create their own workout program in order to maintain healthy fitness levels into adulthood.

RECREATIONAL BASKETBALL (1390)

Semester, 0.5 credit.

This course will introduce the physical education student to the basic skills, rules, drills, fitness, and game play related to the sport of basketball.

STRENGTH AND CONDITIONING (1386)

Semester, 0.5 credit.

This course combines strength training and physical fitness through a variety of activities which include the use of free weights, machines, and various cardiovascular fitness exercises.

WALKING FOR FITNESS (1395)

Semester, 0.5 credit.

This course will incorporate daily stretching and walking for approximately 45 minutes. Emphasis will be placed on cardiovascular improvement with the use of pedometers and by the students charting their target heart rate to maximize their overall physical fitness.

PHYSICAL EDUCATION TEAM SPORTS

The Manchester School District recognizes that graduation requirements for high school diplomas can be met by awarding credit for participating in school affiliated sports. Students may be eligible for 1/2 credit of physical education for participation in a school affiliated sport for two (2) seasons or two different sports for one (1) season. Students may earn a maximum of one (1) credit for participation in a school affiliated sport over the course of their high school careers. Pass/Fail credit toward the physical education requirement for graduation will be awarded. Graduation requirements met by participation in a school affiliated sport for physical education credit shall be clearly designated on student transcripts as "Team Sport Pass/Fail."

WORLD LANGUAGES

ELECTIVE FOR GRADUATION CREDITS.

The classes listed below make up the world language course of study at West High School. They all qualify for the credits required by the State of New Hampshire for graduation. The goal of these courses is to instill an understanding of and appreciation for the culture, language and literature of the world. Manchester High School West offers four (4) World Languages. Note: Students who wish to challenge themselves with more intensive World Language study may seek approval from their teacher to pursue taking the Honors class in the 4th or 5th year class.

SPANISH

SPANISH 1 (1145/1146)

College Prep., Year, 1 credit.

This is an introductory course for students. They will learn basic vocabulary, grammatical structures, and pronunciation necessary for effective communication in Spanish. This course will introduce students to the culture, art and people of the Spanish speaking world.

SPANISH 2 (1155/1156)

College Prep., Year, 1 credit.
Prerequisite: Spanish 1.
This is a continuation of the previous year’s course where students will continue to develop their communicative skills in Spanish. Students will also begin to compare and contrast their culture to that of the Spanish speaking world.

SPANISH 3 (1165/1166)

College Prep., Year, 1 credit.
Prerequisite: Spanish 2.
Students will continue to develop their communicative skills in Spanish and to make comparisons between their culture and that of the Spanish speaking world. Students will begin to apply their knowledge of grammar and vocabulary to explain and analyze a variety of short, culturally-relevant passages in Spanish.

SPANISH 4 (1175/1176)

College Prep., Year, 1 credit.
Prerequisite: Spanish 3.
Teacher approval required for honors class credit. This course is for students who wish to expand their knowledge of Spanish and further explore the culture of the Spanish speaking world. Students will apply their linguistic skills to analyze and explain a variety of literature in Spanish. They will also apply their understanding of history of the appropriate countries and analyze its impact on the culture of the Spanish speaking world.

SPANISH 5 (1185/1186)

College Prep., Year, 1 credit.
Prerequisite: Spanish 4.
Teacher approval required for honors class credit. This course requires well-developed skills in the target language. Students will analyze and apply increasingly complex grammatical concepts and expanded vocabulary to a variety of literary works and real-life situations in the target language. This course will include culture, literature, history, and current events from the Spanish speaking world, and will expect students to make comparisons with their own cultures. This course will also focus on preparing students to transition to college level language study.

SPANISH for NATIVE SPEAKERS (1161/1162)

College Prep., Year, 1 credit.
Prerequisite: Native speaker of Spanish with teacher recommendation.
This course is designed for native speakers of Spanish who wish to improve their reading and writing skills in the language. They will learn grammar through studying a variety of topics including literature, culture and current events.

FRENCH

FRENCH 1 (1005/1006)

College Prep., Year, 1 credit.
This is an introductory course for students. They will learn basic vocabulary, grammatical structures, and pronunciation necessary for effective communication in French. This course will introduce students to the culture, art and people of the French speaking world.

FRENCH 2 (1015/1016)

College Prep., Year, 1 credit.
Prerequisite: French 1.
This is a continuation of the previous year’s course where students will continue to develop their communicative skills in French. Students will also begin to compare and contrast their culture to that of the French speaking world.

FRENCH 3 (1025/1026)

College Prep., Year, 1 credit.
Prerequisite: French 2.
Students will continue to develop their communicative skills in French and to make comparisons between their culture and that of the French speaking world. Students will begin to apply their knowledge of grammar and vocabulary to explain and analyze a variety of short, culturally-relevant passages in French.

FRENCH 4 (1035/1036)

College Prep., Year, 1 credit.
Prerequisite: French 3. and Teacher approval for Honors Level credit. This course is for students who wish to expand their knowledge of French and further explore the culture of the French speaking world. Students will apply their linguistic skills to analyze and explain a variety of literature in French. They will also apply their understanding of the history of the appropriate countries and analyze its impact on the culture of the French speaking world.

LIBRARY SCIENCE

IMPORTANTNOTE: Students who select Library Science are reminded that the course is offered during both semesters.

Library Science (1666)

College Prep, Semester, 0.5 credit.
This is a work-study course which provides students with the opportunity to learn the basic operations of a Library Media Center. Students will be taught basic information science skills and the applications of various technologies. These skills will also be useful to students as they work on assignments for other courses. The course requires the student to work in the LMC one full period a day. (Class Max: 2 Per Period)

MATHEMATICS

MATHEMATICS GRADUATION REQUIREMENT (3.0 CREDITS):
Mathematical literacy is necessary for success in the 21st century. Students are required to earn 3.0 credits in mathematics listed below in order to satisfy the graduation requirements for the State of New Hampshire. One of these classes must be 1.0 credit in the equivalent of Algebra I. They must also be engaged in a course which covers Mathematics Competencies during their fourth year of high school. There are many courses which satisfy this requirement such as science, business, tech ed, economics and computer science. The mathematics curriculum at WHS offers required and elective courses in which students are given the opportunity to strengthen their number sense and develop strong quantitative literacy and reasoning skills. Students are expected to develop perseverance and habits of mind to think critically and use mathematics to communicate and model real life situations. The curriculum is aligned with the Manchester Academic Standards and Competencies. Work and study outside the classroom will be required of all students on a regular basis. Technology will be used to explore and reinforce math concepts. Some courses will require a graphing calculator. There are several sequences of courses in the study of mathematics. Successful completion of the previous course in the sequence will be a prerequisite.

MATH 1 (0601/0602)

Foundations. Year, 1 credit.
Prerequisite: Teacher recommendation required.
This course is designed for students who need to build a stronger foundation in basic math skills prior to taking algebra. Topics include operations on rational numbers, ratio and proportion, percent, probability, introduction to basic geometry, properties of algebra and data analysis. The Math 1, 2, and 3 sequence fulfills the Algebra requirement for graduation.

MATH 2 (0603/0604)

Foundations. Year, 1 credit.
Prerequisite: Math 1 and teacher recommendation.
Topics include operations on rational numbers, evaluating expressions, solving linear equations, introduction to functions, graphing linear functions, and selected applications in geometry. The Math 1, 2, and 3 sequence fulfills the Algebra requirement for graduation.

MATH 3 (0605/0606)

Foundations. Year, 1 credit.
Prerequisite: Math 2 and teacher recommendation.
Topics include operations on rational numbers, evaluating expressions, solving systems of linear equations, simplifying expressions containing exponents, operations on polynomials. The Math 1, 2, and 3 sequence fulfills the Algebra requirement for graduation.

ALGEBRA 1A (0629/0630)

Foundations. Year, 1 credit.

This course is the first of a basic two-year Algebra I program. The pacing allows for the reinforcement of basic skills while providing the foundation of algebra. Algebra IA and IB sequence fulfills the algebra requirement for graduation. Topics include order of operations; operations on rational numbers; evaluating and simplifying expressions; data analysis; solving linear equations and inequalities in one variable; rates, ratios, and proportions; applications of percent; probability; graphing linear functions.

ALGEBRA 1B (0639/0640)

Foundations. Year, 1 credit.

Prerequisite: Algebra 1A.

This course is the second of a basic two-year Algebra I program. The pacing allows for the reinforcement of basic skills while providing the foundation of algebra. The Algebra 1A and 1B sequence fulfills the algebra requirement for graduation. Topics include solving multi-step equations and inequalities in one variable; solving systems of equations; graphing inequalities in two variables; exponent rules; operations on polynomials; factoring polynomials; operations on irrational numbers; Pythagorean Theorem; Distance Formula; area, perimeter and volume.

ALGEBRA TOPICS (0655/0656)

Foundations. Year, 1 credit.

Prerequisites: Algebra 1A, Algebra 1B, and Geometry which may be taken concurrently.

This course is designed for juniors and seniors interested in extending their foundation in algebra and preparing to take the Accuplacer assessment for Manchester Community College. This course extends the topics covered in Algebra IA and Algebra IB to include literal equations and formulas, function analysis, quadratic equations and functions, and rational and irrational expressions.

ALGEBRA 1 (0663/0664)

College Prep. Year, 1 credit.

This course is designed as the foundation for all future math courses. Students will complete in-class assignments as well as homework on a daily basis. Prerequisite skills include operations on integers, fractions, and decimals without the use of a calculator. Topics include properties of real numbers, solving linear equations, inequalities, literal equations, quadratic equations, and systems of equations; graphing linear functions, inequalities, and systems of inequalities; operations on polynomials, rational and irrational numbers; as well as an introduction to functions and data analysis. Problem-solving and critical thinking skills are incorporated throughout the course. Successful

completion of this course satisfies the Algebra 1 requirement for graduation.

ALGEBRA 1 (0665/0666)

Accelerated College Prep. Year, 1 credit.

This accelerated and rigorous course in Algebra covers the standard content of a first year course in Algebra including properties of real numbers, solving linear equations, inequalities, literal equations, quadratic equations, and systems of equations; graphing linear and quadratic functions, inequalities, and systems of inequalities; operations on polynomials, rational and irrational numbers; as well as an introduction to functions and data analysis. This course is designed for students with a high degree of mathematical ability, self-motivation and skills to work independently. Problem-solving and critical thinking skills are incorporated throughout the course. Students will complete in-class assignments as well as homework on a daily basis. Prerequisite skills include operations on integers, fractions, and decimals without the use of a calculator. A calculator is not used for calculations, but the graphing calculator is incorporated throughout the course. Successful completion of this course satisfies the Algebra 1 requirement for graduation.

GEOMETRY (0681/0682)

Foundations. Year, 1 credit.

Prerequisites: Algebra 1A and 1B.

This course focuses on basic concepts of geometry. The pacing allows for the reinforcement of algebra skills. Topics include congruent and similar triangles, quadrilaterals and polygons, parallelism, circles, coordinate geometry, right triangle trigonometry, area and volume.

GEOMETRY (0683/0684)

College Prep. Year, 1 credit.

Prerequisite: Successful completion of Algebra 1.

Topics include basic geometric terms and figures, triangles, quadrilaterals and other polygons, similarity, congruence, circles, perimeters, areas and volumes, coordinate geometry, right triangle trigonometry. Constructions will be done throughout the course. Students will explore deductive reasoning through proofs. Problem solving skills are incorporated throughout the course. This course is open to sophomores, juniors and seniors.

GEOMETRY (0685/0686) (0687/0688)

Accelerated College Prep and Honors. Year, 1 credit.

Prerequisite: Successful completion of Accelerated College Prep Algebra 1 or for Freshmen: Qualifying score on 8th Grade Algebra placement exam.

The courses include a comprehensive study of plane, solid, and coordinate geometry, as well as right triangle trigonometry, further enhanced through the application of algebraic concepts. Constructions are done throughout the course. A major portion of the course is devoted to deductive reasoning and proofs. Problem solving, critical thinking skills and independent study are incorporated throughout the course.

ALGEBRA 2 AND TRIGONOMETRY (0703/0704)

College Prep. Year, 1 credit.

Prerequisite: Successful completion of Algebra 1 and Geometry.

Topics include solving absolute value, rational, exponential, radical and rational equations; compound inequalities; systems of equations and inequalities; function analysis including compositions and inverses; operations on complex numbers; properties of quadratic, exponential, and logarithmic functions; as well as an introduction to trigonometry. Problem solving skills are incorporated throughout the course. This course prepares students for Finite Math or Introduction to Pre-Calculus.

ADVANCED ALGEBRA 2 AND TRIGONOMETRY (0705/0706) (0707/0708)

Accelerated College Prep and Honors. Year, 1 credit.

Prerequisite: Successful completion of Accelerated College Prep or Honors Algebra 1 and Geometry.

This is a challenging, fast-paced course that explores concepts in depth. Topics include the complex number system; matrices; systems of equations and inequalities; conic sections; properties of quadratic, exponential, logarithmic, radical, and rational functions; as well as right triangle and analytic trigonometry. Graphing calculators are used extensively. Problem-solving and critical thinking skills are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Pre-Calculus.

INTRODUCTION TO PRE-CALCULUS (0721/0722)

College Prep. Year, 1 credit.

Prerequisite: Successful completion of Algebra 2 and Trigonometry and Geometry.

This course reviews and extends concepts from Algebra 2, and emphasizes additional topics in trigonometry to prepare students for college-level Pre-Calculus. Topics include applications and graphs of algebraic, exponential, logarithmic, and trigonometric functions.

"Strive for progress, not perfection" Unknown

PRE-CALCULUS (0725/0726) (0727/0728)

Accelerated College Prep and Honors. Year, 1 credit.

Prerequisite: Successful completion of Advanced Algebra 2 and Trigonometry and Geometry.

Topics include analysis of polynomial, exponential, logarithmic, and trigonometric functions; polar coordinates; statistics; probability; and an introduction to limits. Graphing calculators will be used extensively throughout the course. Problem-solving, critical thinking skills, and independent study are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Calculus. Running Start college credits may be available upon successful completion.

FINITE MATH (0735/0736)

College Prep. Year, 1 credit.

Prerequisite: Successful completion of Algebra 2 and Trigonometry and Geometry.

This course is designed for the student who is interested in pursuing a business or liberal arts degree. Topics include linear systems, matrices, linear programming, probability, statistics, and finance. Applications are drawn from the areas of the social sciences and economics. Running Start college credits may be available upon successful completion.

PERSONAL FINANCE (0729/0730)

Foundations. Year, 1 credit.

Prerequisite: Successful completion of the Algebra 1 requirement.

Personal Finance will prepare students to meet the economic demands of a 21st century world. This course will provide an understanding of many economic principles including money management and budgeting, saving and investing, compound interest, risk and return, credit, insurance, human capital, and financial markets. Students will be well-informed economic decision-makers and know their role as consumers, producers, investors, and voters. This course is intended for juniors and seniors.

PERSONAL FINANCE (0731/0732)

College Prep., Year, 1 credit.

Prerequisite: Successful completion of the Algebra 1 requirement.

This course includes personal finance skills as well as an introduction to business math. Topics include credit cards, loans, insurance, investments, personal business, produce- production, purchasing, sales, marketing, warehousing and distributing services, accounting, records, financial management, and corporate planning. Personal Finance is intended for seniors who have fulfilled the Algebra requirement for graduation and wish to enroll in a

fourth year of math.

COMPUTER SCIENCE PRINCIPLES (1420/1421)

College Prep., Year, 1 credit.

Prerequisite: Successful completion of Algebra 1.

CS Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.

AP COMPUTER SCIENCE PRINCIPLES (0791/0792)

Honors, Year, 1 credit.

Computer science is everywhere, from our smartphones and video games to music, medicine, and much more. AP Computer Science Principles (AP CSP) can help you understand how computing and technology influence the world around you. Learn how to creatively address real-world issues while using the same tools and processes that artists, writers, computer scientists, and engineers use to bring ideas to life. The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. (College Board) Preparation for this course: Successful completion of Algebra 2 with a strong foundation on linear functions, composition of functions, and problem solving strategies.

CALCULUS (0745/0746)

Honors, Year, 1 credit.

Prerequisite: successful completion of Pre-Calculus.

This course is comparable to a first-year college-level course in Calculus. The course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, integrals, and the Fundamental Theorem of Calculus. Running Start college credit may be available upon successful completion.

AP CALCULUS (0747/0748)

Honors. Year, 1 credit.

Prerequisite: successful completion of Pre-Calculus.

This class covers topics in differential and integral calculus including concepts and skills of limits, derivatives, integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally and to make connections among these representations. College Board and Running Start credits may be awarded upon successful completion of the AP Exam or course.

AP STATISTICS (0717/0718)

Honors. Year, 1 credit.

This statistics class is equivalent to a one-semester introductory non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Students will be prepared for the AP Exam. Running Start Credit may also be available upon successful completion. Preparation for this course: Successful completion of Algebra 1 and Geometry. Students should be able to solve linear and quadratic equations, graph linear functions, graph inequalities, solve systems of equations, and use literal equations and formulas.

MUSIC**MUSIC EDUCATION AND PERFORMING ARTS GRADUATION REQUIREMENT**

0.5 CREDIT The classes listed below make up the music and performing art course of study at West High School. They satisfy the fine and performing art credit required by the State of New Hampshire for graduation. The goal of these courses is to instill an understanding of and appreciation for music and the performing arts.

ADVANCED INSTRUMENTAL/VOCAL STUDIES (1311)

Honors. Semester, 0.5 credit.

Prerequisites: Music Theory, with permission of instructor.

This course will provide students with the opportunity to learn to improvise jazz, be coached on All-State music, develop small ensembles, and continue more advanced studies on one's instrument. Each student will be expected to work with others and on their own.

BAND (1305/1306)

College Prep. Year, 1 credit.

Band is a performing group in which students study and perform standard band literature and new works. Marching band rehearsals consist of field practice for band performances at all football games and parades. Concert band plays at assemblies and civic functions and is responsible for three formal concerts a year. Students are required to participate in all of these activities. Prerequisite: Ability to read music and play scales.

BAND (1307/1308)

Honors. Semester, 0.5 credit.

Prerequisites: Able to play major scales, advanced rhythms and sight read.

Band is a performing group in which students study and perform standard band literature and new works. Marching band rehearsals consist of field practice for band performances at all football games and parades. Concert band plays at assemblies and civic functions and is responsible for three formal concerts a year. Students are required to participate in all of these activities. Students in Honors Band will have additional performance requirements and experience a graduated complexity of advanced skill development.

BEGINNING GUITAR (1345)

College Prep. Semester, 0.5 credit.

This course is designed for students with no prior musical experience. Students will learn the fundamentals of playing the guitar. Students will focus primarily on rhythm and accompaniment style playing, with some time devoted to lead style as well. Students will learn the basics of formal music notation, guitar tablature, and reading lead sheets.

COLOR GUARD & FLAG CORPS (1303)

Semester, 0.5 credit.

This is a semester I course instructing in team flag work and dance for the marching band. Students are required to participate in after-school practice and to perform at football games, as well as in parades.

HISTORY OF AMERICAN CONTEMPORARY MUSIC (1340)

College Prep. Semester, 0.5 credit.

This music history course is designed for the student who is curious about the roots and development of modern music. Styles will include, but not be limited to, rhythm and blues, spirituals, jazz, swing, bebop, folk, musical theatre, rock and roll, and popular music of today.

"The learning proces continues until the day you die"
Kirk Douglas

INSTRUMENTAL MUSIC (1301/1302)

College Prep. Year, 1 credit.

Prerequisite: Student provides their instrument. Instrumental music offers class instruction for traditional school band or orchestra instruments. The class develops individual musicianship skills, technique, and music reading fluency. Students must have level-2 proficiency on their instruments.

JAZZ ENSEMBLE (1309/1310)

Honors. Year, 1 credit.

Jazz ensemble offers the advanced musician the opportunity to play musical styles such as rock, swing, blues, Dixieland, and jazz. Performances at dances, festivals, and other after-school functions are required. Instrumentation will consist of bass and lead guitar, electric piano, drum set, trumpets, trombones and saxophones. Prerequisites: Individual audition and approval of the instructor and participation in orchestra or band.

MUSIC APPRECIATION 1 (1337)

College Prep., Semester, 0.5 credit.

This course offers any student the opportunity to become involved with basic music fundamentals. Areas covered include music theory, the study of various instrument groups, meters, musical form, and the history of early world music. This course does not concentrate on rock or jazz music.

MUSIC APPRECIATION 2 (1336)

College Prep. Semester, 0.5 credit.

This music history course will cover famous American composers of the 20th century such as Charles Ives, Aaron Copland, George Gershwin, and Leonard Bernstein. A study of Broadway musicals and operas of the last 100 years will be included in the study of modern music. Active listening assignments will be a daily part of this course, and students will undertake independent studies of various musicians.

ORCHESTRA (1315/1316)

College Prep. Year, 1 credit.

Orchestra is open to any student with prior string playing experience. Evening performances are required, and the student must have an instrument.

ORCHESTRA (1317/1318)

Honors. Year, 1 credit.

Prerequisites: Audition with approval of music instructor.

Orchestra is open to string students seeking to advance their musical skills and knowledge. Evening performances are required, and the student must have an instrument.

PIANO KEYBOARD (1344)

College Prep., Semester, 0.5 credit.

This semester course is designed for students who have never taken piano lessons and are truly beginners at the piano. The course will introduce concepts in standard musical notation (reading music), basic-level piano repertoire, and piano technique. There are no public performances associated with this course.

MUSIC THEORY (1348)

College Prep. Semester, 0.5 credits.

Prerequisites: Piano Keyboard, performance ensemble or approval of instructor.

This course will explore the writing of melodies and the study of counterpoint. The student will study chords, chord progressions, voice leading and the harmonization of melodies. Also included will be a study of modes and compositional skills.

ADVANCED MUSIC THEORY (1351)

Honors. Semester, 0.5 credit.

Prerequisite: Successful completion of Beginning Music Theory.

This course will explore the writing of melodies, the study of counterpoint and develop an advanced knowledge of music theory. Basic arranging and composition skills will be combined with the use of music notation software. Also, students will study chords, chord progressions, voicing, and the harmonization of melodies. Also included will be a study of modes and a historical view of music theory. College credit may be earned through the Dual Enrollment program with SNHU.

WEST CONCERT CHOIR (1325/1326)

College Prep. Year, 1.0 credit.

The West Concert Choir is devoted to the study and performance of music from Renaissance to contemporary. Much attention will be given to choral blend and balance, vocal production, diction, and reading standard music notation. Concert Choir will sing at concerts and school assemblies throughout the year.

WEST CHAMBER CHOIR (1327/1328)

Honors. Year, 1.0 credit.

Prerequisite: Read music, match pitch and audition for approval of instructor. Performs choral literature of the highest caliber and difficulty from all musical eras and styles. Students will have additional after school rehearsals and perform many times throughout the school year. Rehearsals emphasize vocal production, reading standard musical notation, blend, balance, and diction.

"The beautiful thing about learning is that no one can take it away from you."
BB King

NJROTC

NJROTC - NAVAL SCIENCE COUNTS FOR ELECTIVE GRADUATION CREDIT.
The classes listed in this section make up the NJROTC course of study at West High School.

INTRODUCTION TO NAVAL SCIENCE (1675/1676)

Year, 1 credit.

Introduction to Naval Science is an exploratory course in which students are familiarized with NJROTC program as well as citizenship and the law, authority, and personal responsibilities. During this course there will be a heavy emphasis on self-discipline, motivation, responsible citizenship, and leadership development. Students will learn about American Military History and community service. Students who wish to continue in the NJROTC program may do so if they choose. Note: Standard Uniform Requirements waived.

NAVAL SCIENCE 1 (1681/1682)

Year, 1 credit.

Naval Science 1 is an introductory course in military drill, uniforms, military customs and courtesies. Students are introduced to the History of the NJROTC program as well as citizenship and the law, authority, and personal responsibilities. The basics of naval ships and aircraft are also presented. Students participate in physical training and military drill practice during this course and there will be a heavy emphasis on self-discipline, motivation, responsible citizenship, and leadership development. Students will learn how to incorporate leadership traits and principles in everyday activities. Field studies are planned and will relate to the classroom learning.

NAVAL SCIENCE 2 (1683/1684)

Year, 1 credit.

Naval Science 2 introduces students to citizenship, meteorology, maritime geography, naval history, cold weather safety survival, military life, shipboard indoctrination, and seamanship. Leadership training covered in NS1 will be continued in this course. Field studies are planned and will relate to the classroom learning.

"Real education should consist of drawing the goodness and the best of our own students. What better books can there be than the book of humanity?"
Cesar Chavez

NAVAL SCIENCE 3 (1685/1686)

Year, 1 credit.

Naval Science 3 introduces students to sea power, military justice, sea and land navigation, astronomy, geo-politics, career planning, naval history and conflicts, and political science. Advanced leadership and management methods and practical applications will continue to be included in coursework. Field studies are planned and will relate to the classroom learning.

NAVAL SCIENCE 4 (1687/1688)

Year, 1 credit.

Prerequisite: Naval Science 1,2 and/or 3.

Naval Science 4 is an advanced leadership and management practicum where various theories covered in the first three years of study are discussed and practiced. College/career application procedures are pursued, and senior students perform as a unit Command Group in a Leadership Laboratory environment demonstrating a culmination of leadership techniques learned in NS1, NS2, and NS3. Field studies are planned to relate to classroom learning.

DRILL AND MARKSMANSHIP (1689 /1690)

Year, 1 credit.

Prerequisite: NJROTC Cadet physically prepared/qualified to take this class and enrolled currently in Naval Science 1,2,3 or 4.

The Drill portion of this class teaches the fundamentals of Military Drill (Marching) both unarmed and armed. Students perform at a variety of community events and participate in competitions. This class may be taken multiple times with increasing complexity and leadership requirements. The Marksmanship portion of this class teaches firearms safety and the fundamentals of the three firing positions using a pellet air rifle. Students will focus on basic visual acuity, concentration, breath control, and muscle control, target scoring, and equipment maintenance. In addition, they will participate in pellet rifle three-position matches during the school year. This class may be taken multiple times with increasing complexity and leadership requirements. NOTE: Cadets may take either section 1689 or 1690 as a semester course and are not required to take them as a full year class.

NAVAL SCIENCE COMMAND GROUP (1691/1692)

Year, 1 credit.

Naval Science Command Group is a capstone course in applied leadership. Students must be nominated to be in class. The NJROTC student/cadet leadership team plans and executes the NJROTC events for the year. This is a project based course. This course can take the place of Naval Science 4.

SCIENCE**SCIENCE GRADUATION REQUIREMENT**

The classes listed below make up the science course of study at West High School. Students will need to pass two (2) courses in a Physical Science (1 Credit) and a Biological Science (1 Credit) to satisfy the requirements of the State of New Hampshire for graduation.

FRESHMAN SCIENCE COUNTS TOWARD PHYSICAL SCIENCE GRADUATION REQUIREMENT**PHYSICAL SCIENCE (0805/0806)**

College Prep. Year, 1 credit.

This course covers the areas of properties of matter, energy, motion, and force. The approach emphasizes the everyday application of physical laws. This course is considered a science laboratory course for college admission.

PHYSICAL SCIENCE (0807/0808)

Honors. Year, 1 credit.

Prerequisite: Geometry College Prep or concurrently taking Algebra I or higher.

This course covers the areas of properties of matter, energy, motion, and force. The approach emphasizes the everyday application of physical laws. Numerous activities are incorporated to help the student acquire a working scientific understanding of our world. This course offers an increased emphasis on critical thinking and requires a strong command of algebra. This course requires the completion of a summer assignment.

SOPHOMORE SCIENCE COUNTS TOWARDS BIOLOGY GRADUATION REQUIREMENT**BIOLOGY I (0823/0824)**

College Prep. Year, 1 credit.

This course focuses upon the major concepts of biological structure and functions and includes the topics of genetics, life's continuity and change, human biology, biodiversity, and ecology. Hands-on investigations will play a significant role in the implementation of this curriculum. This course is considered a science laboratory course for college admission.

BIOLOGY I (0827/0828)

Honors. Year, 1 credit.

This course focuses upon the major concepts, connections, and applications of biological structure and functions and includes the topics of genetics, life's continuity and change, human biology, biodiversity, and ecology. Hands-on and inquiry investigations will play

a significant role in the implementation of this curriculum. This course is considered a science laboratory course for college admission.

**SCIENCE ELECTIVES
COUNTS TOWARD ELECTIVE
GRADUATION REQUIREMENTS**

ANATOMY & PHYSIOLOGY (0901/0902)

College Prep. Year, 1 credit.

Prerequisites: Biology 1 and Chemistry (may be taken concurrently).

Major topics covered are physiology, histology, anatomical terminology, and interrelationships of organ systems within an organism. The systems of the human body will be covered in depth. Labs range from microscope slide work to a complete mammalian dissection. This course utilizes college textbooks and college-level laboratory activities for instruction.

AP BIOLOGY (0881/0882)

Honors. Year, 1 credit.

This course is designed to be the equivalent of a college introductory biology course by following the Advanced Placement syllabus. The topics are in four general areas: evolution, biological system interactions, energy and matter processing, and transmission of genetic information. This course utilizes college textbooks and college-level laboratory activities for instruction. This class is labor intensive and includes a mandatory summer assignment. Suggested Completed Coursework: Successful completion of Biology I, Algebra 2, and/or concurrent enrollment in Chemistry.

AP CHEMISTRY (0907/0908)

Honors. Year, 1 credit.

The AP Chemistry is the equivalent of a college introductory chemistry course and prepares students for the AP Chemistry Exam in May. Through inquiry-based learning (lab work), students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. There is a mandatory summer assignment. Suggested Completed Coursework: Successful completion of Chemistry and Algebra 2.

AP PHYSICS (0877/0878)

Honors. Year, 2 credits.

This course is intended for accelerated students who wish to prepare for the Advanced Placement Physics B Examination. The basic ideas of calculus may be introduced in connection with physical concepts. Understanding the basic principles involved and the ability to apply these principles in the solution of problems

is a major goal of the course. Topics covered in class and through independent study include Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Suggested Completed Coursework: Successful completion of Algebra 2, currently taking Pre-Calculus or with teacher approval. Summer assignments are required. NOTE: Class is a double block.

ASTRONOMY & SPACE (0925/0926)

College Prep. Year, 1 credit.

Prerequisites: Successful completion of Physical Science.

This course studies several major concepts: the history of astronomy, our solar system and its contents, our sun and other stars, the Milky Way, galaxies, and the universe. There is an emphasis on recent data and interpretation, and NASA materials and computer simulations will be used. This course is designated as part of the Running Start program at West High School, and college credit may be offered upon successful completion.

BIOTECHNOLOGY & GENETICS

(0935/0936) College Prep. Year, 1 credit.

Prerequisite: Biology 1 and Chemistry.

Students selecting biotechnology will learn about cellular biology, stem cell research and cloning, classical and advanced genetics, molecular biology and DNA informatics, and bioethics. Students will spend about 35% of the time doing elaborate laboratory experiments and research projects practicing techniques used in industry. This course is designated as part of the Running Start program at West High School, and college credit may be offered upon successful completion.

CHEMISTRY (0855/0856)

College Prep. Year, 1 credit.

Prerequisites: Physical Science and concurrent enrollment in Algebra II or higher.

This course covers theoretical and laboratory skills for a student to prepare for a four-year college. Topics include the properties of matter, atomic structure, periodic law, bonding, chemical reactions, stoichiometry, gas laws, solutions, and acid-base theory.

CHEMISTRY (0849/0850)

Honors. Year, 1 credit.

Prerequisites: Physical Science and concurrent enrollment in Algebra II or higher.

This course is designed for students planning on attending a four-year college with a concentration in science or engineering. In addition to the material covered in the College Prep course, students will explore topics such as redox reactions, electrochemistry, and organic chemistry. Summer assignments are required.

EARTH SCIENCE (0913)

College Prep. Semester, 0.5 credit.

This course studies earth science, including topics in geology, plate tectonics, weather patterns, and space, including, for example, the structure of planets and the solar system.

EARTH SCIENCE (0915)

Honors. Semester 0.5 credit.

This course studies earth science, including topics in geology, plate tectonics, weather patterns, and space, including, for example, the structure of planets and the solar system. There is an emphasis on recent data and interpretation, and the course uses NASA materials and computer simulations. Summer assignments are required.

ENVIRONMENTAL SCIENCE (0955/0956)

College Prep., Year, 1 credit.

Prerequisite: Biology 1.

This course emphasizes the interaction between living things and their environment and will focus on global change, biodiversity, and sustainability. This will be done through the concepts of communities, ecosystems, and human impact. This course provides students with the opportunity to understand the environment, its structure and functions, working mechanisms, and its ultimate impact on the individual.

FIRST AID (0984)

College Prep. Semester 0.5 credit.

In First Aid, students will be introduced to the anatomical structures of the human body. Individuals taking this course will be provided with the knowledge and skills necessary to sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. Topics include CPR, poisoning, shock, burns, open and closed wounds, and bandaging techniques. Certification through American Red Cross in CPR with AED and First Aid may be an option.

PHYSICS (0869/0870)

College Prep. Year. 1 credit.

Prerequisites: Completed or concurrent enrollment in Algebra 2.

This course will concentrate on the study of mechanics, motion, vectors, forces, energy, momentum, waves, sound, light and optics, electricity and magnetism, and modern physics. The main focus of the course will be the application of knowledge of physics and mathematics to problem solving. Laboratory work will further reinforce the student's ability to apply the principles of physics.

"Knowledge is life and a cure" Imam Ali

SOCIAL STUDIES

SOCIAL STUDIES GRADUATION REQUIREMENT 2.5 CREDITS

Students are required to take 2.5 credits in Social Studies in order to satisfy the standards required by the State of New Hampshire for graduation. 1.0 credit in World History (Grade 9), 0.5 in World History or World Geography (Grade 10), 0.5 credit in Economics (Grade 12), and 1.0 credit in United States History (Grade 11). The classes listed below make up the social studies course of study at West High School.

AMERICAN CIVICS

(0414) Foundations (0416) College Prep.

Semester, 0.5 credit.

This course for freshmen emphasizes reading and writing skills in the citizenship context and includes the study of the Constitution, the election process, and the three major branches of government: legislative, executive, and judicial. State, county, and local governments, as well as current events, are discussed throughout the course and will be explored through the study of national and international events. Emphasis is placed upon the responsibilities of being a citizen of the community and of the world.

AMERICAN CIVICS (0418)

Honors. Semester, 0.5 credit.

This comprehensive freshman honors course examines our system of government on the national, state, county, and local levels. Students are required to comprehend and analyze constitutional concepts and the workings of government. The course also focuses on contemporary national and international politics, including New Hampshire's political impact. Students taking this course should have a record of demonstrating exceptional academic ability, creativity, and task performance. Essay exams and in-depth papers will be required.

AMERICAN STUDIES HISTORY

(0255/0256) College Prep.

(0457/0458) Honors.

Year, 1 credit.

American Studies offers the unique experience of a team-taught course in high school. Geared to meet the need of the academically inclined student, the course combines American Literature and US History in order to properly and thoroughly examine the American character and those events, thoughts, and people who helped shape it from the age of exploration to the present. Students interested in taking the course should possess an excellent read-

ing ability and interest in developing public speaking skills. This double course fulfills the requirement of US History and English 3, and attention is given to preparing the student to take AP exams in US History and English Literature. Students are required to complete a summer assignment.

AP MACROECONOMICS (0436)

Honors. Fall Semester, 0.5 credit.

The AP Macroeconomics course provides students with a thorough understanding of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. The course recognizes the global nature of economics and provides ample opportunities to examine the impact of international trade and finance on national economies. Various economic schools of thought are introduced as students consider solutions to economic problems.

AP MICROECONOMICS (0435)

Honors. Spring Semester, 0.5 credit.

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

AP PSYCHOLOGY (0489/0490)

Honors. Year, 1 credit.

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

AP UNITED STATES HISTORY (0449/0450)

Honors. Year, 1 credit.

The Advanced Placement United States History course concentrates on the study of United States history from before the American Revolution to the present. Designed to challenge academically proficient students with a special interest in history, this course encourages students to explore events and issues in depth. Since requirements include extensive readings

in primary and secondary sources, varied writing assignments, an oral history project, and an independent study project, students should have well developed reading and writing skills. Special attention is given to developing strategies and skills for taking the Advanced Placement exam in United States History in May of each academic year. In addition to covering material in the AP syllabus, students are assigned Free Response Essays and Document Based Questions (DBQ) throughout the year to familiarize them with the essay forms used in the exam. Students are required to complete a summer assignment.

CRIME & JUSTICE (0583)

College Prep. Semester, 0.5 credit.

This course is designed to provide an overview of the criminal justice system. It will examine criminal behavior, criminal law, the police, forensic science, crime scene investigation, and selected issues in criminal justice.

ECONOMICS (0424)

Foundations. Semester, 0.5 credit.

The goals of this course are to assist students to function more effectively in today's economic world and to understand the free enterprise system. Included is an examination of economic principles and institutions. Emphasis is placed upon the development of skills in economic decision-making to allow students to understand their roles as consumers, producers, investors and voters. Typically taken in the senior year.

ECONOMICS (0426)

College Prep. Semester, 0.5 credit.

The goals of this course are to assist students to function more effectively in today's economic world and to understand the free enterprise system. Included is an examination of economic principles and institutions. Emphasis is placed upon the development of skills in economic decision-making to allow students to understand their roles as consumers, producers, investors and voters. Typically taken in the senior year.

ECONOMICS (0428)

Honors. Semester, 0.5 credit.

The goals of this course are to assist students to function more effectively in today's economic world and to understand the free enterprise system. Included is an examination of economic principles and institutions. Emphasis is placed upon the development of skills in economic decision-making to allow students to understand their roles as consumers, producers, investors and voters. Typically taken in the senior year. This course focuses on economic reasoning. Students investigate human economic behavior by analyzing specific

economic principles. These principles include economics, microeconomics, macroeconomics, and international economics. The course study emphasizes the U.S. economy and economic events taking place in the world. In-depth papers and projects will be assigned to help students understand their roles as consumers, producers, investors, and voters. Typically taken in the senior year.

CURRENT ISSUES (0530)

College Prep. Semester, 0.5 credit.

This course will offer students the opportunity to explore, analyze, interpret, and understand the significance of controversial issues in the modern world. Students will examine a number of real world issues from a variety of perspectives. Debate, discussion, and editorial commentary will allow students to present their own positions on a variety of issues.

LAW (0587)

College Prep., Semester, 0.5 credit.

This course explores how America's legal system copes with moral ambiguity and controversial ethical questions. Major cases concerning administrative practices (affirmative action, privacy, sexual harassment) and basic issues (abortion, capital punishment, the right to die) are read and analyzed. Students evaluate these dilemmas and how they impact our society. Actual cases, student mock courts, and visits to and by lawyers and other professional people are important parts of this course.

LAW (0588)

Honors. Semester, 0.5 credit.

This class examines current social issues such as individual rights, discrimination, prejudice, family law, crime, prison conditions, juvenile justice and civil wrongs in tandem with how the law relates to these areas. Emphasis is placed on constitutional law with a study of laws relative to free speech, free press, freedom of association and assembly, freedom of religion, the right to privacy, privacy at school, due process and search and seizure matters. Students will examine and decide on various cases and are acquainted with the adversary system and participate in role playing and mock trials. Students are involved in various writing exercises. Court tours are planned along with the utilization of community resource personnel who may serve as guest speakers. Students are required to write a law brief and orally argue the issue.

AMERICAN GOVERNMENT (0465)

College Prep. Semester, 0.5 credit.

This course, designed for upperclassmen, is a study of our democracy and includes the survey of the Constitution, the election process and how they relate to the students. In addi-

tion, the functions and responsibilities of the legislative, executive, and judicial branches and state, county, and local government are covered. Current topics are also explored through the study of national and international events. Emphasis is placed upon the responsibilities of being a citizen of the community and of the world, as well as the importance of thoughtful participation in the political process.

PSYCHOLOGY (0486)

College Prep., Semester, 0.5 credit.

Psychology is the study of human behavior and the mental processes. Students examine a variety of topics covering the wide scope of psychology. Course content includes brain and behavior development, learning, personality, psychological disorders and therapies, basic theories of motivation and emotion, and health psychology. Independent research is required and is to be presented in the prescribed format.

SOCIOLOGY (0506)

College Prep., Semester, 0.5 credit.

A variety of topics are offered to students selecting sociology. Subject areas considered are culture, values, norms, sanctions, social groups, stratification, minorities, the family, education and mass society. Students also examine American social issues, family matters, violence and crime, technology, and racism. In-depth projects and cooperative learning activities are assigned to help students understand many issues affecting our society.

UNITED STATES HISTORY (0443/0444)

Foundations. Year, 1 credit.

This course is designed to identify and examine major events and themes of United States history from the late 19th century to the present. Students will develop an appreciation for domestic issues as they arose through time and gain an understanding of how America's place in the global community has changed. As part of this course, students study issues and events in New Hampshire history.

UNITED STATES HISTORY (0445/0446)

College Prep., Year, 1 credit.

This course is designed to identify and examine major events and themes of United States history from the late 19th century to the present. Students will develop an appreciation for domestic issues as they arose through time and gain an understanding of how America's place in the global community has changed. As part of this course, students study issues and events in New Hampshire history. The student who selects the course should have a command of reading, writing, and research skills. SNHU dual enrollment credit is available.

WORLD HISTORY SURVEY (0573/0574)

Foundations. Year, 1.0 credit.

Students will gain a global perspective necessary to function as effective citizens in a changing world. Students examine the development of culture within specific groups in order to understand why these groups function and behave as they do. Topics include cultures around the world. Students also have the chance to relate current events to subjects studied.

WORLD HISTORY SURVEY (0575/0576)

College Prep., Year, 1 credit.

Students will gain a global perspective necessary to function as effective citizens in a changing world. Students examine the development of culture within specific groups in order to understand why these groups function and behave as they do. Topics include cultures around the world. Students also have the chance to relate current events to subjects studied.

WORLD HISTORY SURVEY (0577/0578)

Honors. Year, 1.0 credit.

Students will gain a global perspective necessary to function as effective citizens in a changing world. Students examine the development of culture within specific groups in order to understand why these groups function and behave as they do. The topics covered are extensive and range from the earliest societies to the present. Periodization is an organizing theme to study continuity and change throughout the world. Students who take this class should have strong reading, writing, and research skills and should be prepared to do extensive readings in both primary and secondary source documents. Students are required to complete a summer assignment.

SPORTS & AMERICAN CULTURE (0520)

College Prep. Semester, 0.5 credit.

This course will examine the history of amateur and professional sports in the United States. The course focus will be on the impact that sports have had on United States culture and society. Also examined, will be how major events in United States History may have affected the world of sports. Relationships between historical periods in sports and current behaviors and attitudes regarding sports will be made. Open to juniors and seniors, prerequisite of B or better in Level 2 US or World History, C or better in Level 3 US or World History.

TECHNOLOGY EDUCATION

TECHNOLOGY EDUCATION - The classes listed in this section make up the technology education course of study at West High School. They meet all credit requirements the State of New Hampshire requires for graduation. The goal of these courses is to instill an understanding of and appreciation for technology studies.

COMPUTER ANIMATION (1656)

College Prep., Semester, 0.5 credit.

This course offers students an introduction to digital coding used in 2D and 3D computer animation. Scratch, Code.org and Easycode will be used in the creative process.

DRAFTING (1624)

College Prep., Semester, 0.5 credit.

This course will develop the basic necessary skills of board work, tools, and concepts as a prerequisite for Engineering Drawing and Principles of Engineering. Topics include mechanical, architectural, and computer-aided drafting (CADD).

ENGINEERING DRAWING (1632)

College Prep., Semester, 0.5 credit.

Prerequisite: Algebra 1 completed or enrollment in Algebra 1 concurrently.

This course is for students interested in engineering and related technical fields. Topics to be covered include geometric constructions, orthographic projections, sectional views, pictorial drawings, and computer-aided design and drafting (CADD). Individual and group computer work will be emphasized.

INDUSTRIAL TECHNOLOGY (1603)

College Prep., Semester, 0.5 credit.

Wood, drafting, economic impacts, occupations, and consumer information will be studied. Students will learn safe and effective use of common machines and tools to produce products. Units in the selection and care of tools, fasteners, and other hardware will be covered. This course will also acquaint students with measuring skills, lettering, and two- and three-view drawings.

PRINCIPLES OF ENGINEERING (1669/1670)

College Prep., Year, 1 credit.

Prerequisite: Algebra 1.

This is a foundational course that explores basic engineering concepts in an exciting hands-on environment. Topics include simple machines, strength of materials, robotics, structure strength and failure, problem solving,

invention, basic machining, career options, and much more. This course has fun and challenging projects that complement the material.

WEB PAGE DESIGN (1660)

College Prep., Semester, 0.5 credit.

This course is for students who wish to create their own websites. Students will learn basic web design languages and then design and build websites using Google sites & HTML. Students will work individually and cooperatively to create websites.

WOODWORKING 1 (1610)

College Prep., Semester, 0.5 credit.

Students will gain the knowledge and skills to work safely and efficiently with hand and power tools through the construction of shop projects. Emphasis is put on safety, workmanship, construction, and finishing techniques.

WOODWORKING 2 (1613)

College Prep., Semester, 0.5 credit.

Prerequisite: Woodworking 1.

This is an advanced course for skills development. The student will learn how to plan a project, identify problems, and participate in tool and machine care and maintenance. The student will also learn setups and procedures on machines to produce complete designs in wood.

THEATRE ARTS

THEATRE REQUIREMENT 0.5 CREDIT, FINE/PERFORMING ART. The classes listed below make up the theatre performing art course of study at West High School. It satisfies the fine and performing art credit required by the State of New Hampshire for graduation. The goal of these courses is to instill an understanding of and appreciation for the theatre arts. Students learn how to find, view, discuss, create and perform art in the theatre. Students who wish to pursue a serious study in theatre should seek the input of faculty for placement and

THEATRE 1 (0385/0386)

THEATRE 2 (0387/0388)

THEATRE 3 (0389/0390)

THEATRE 4 (0391/0392)

Note: Student selects the appropriate theatre course based on years of experience.

College Prep. Full Year, 1 credit.

These courses provide an introduction to theatre with an emphasis on progression in practicing technical skills and performance. It covers the basic elements of theatre, including acting, stage movement, set and costume design, makeup, lighting, and theatre history, with an integration into a final production. Various activities, projects, and exercises will provide new skills, as well as practice for old ones.

Students will focus on acting methods and techniques as they select, design, rehearse, and produce a play for performance before an audience (this may require student field trips during the day). Students will be evaluated according to their own levels of skill and achievement, as well as be able to select theatre projects each semester from a variety of choices.



STEAM is a contextual curriculum where the subjects are coordinated with each other under a project and inquiry-based educational structure. Science, technology, engineering, mathematics and the broad spectrum of the arts all relate to one another in reality. STEAM students are given the opportunity to better learn academic and life skills in a standards-backed, realistic-based, personally relevant exploratory learning environment. It delivers high quality team-based education to all students. Preparing students for a growing variety of careers is important to advance the global society and economies. Students evaluate needs, wants and opportunities in order to be informed users, responders and innovators. It prepares students to be life-long learners who live well-balanced, whether they pursue college, a skilled trade, or potentially unknown career path.

Imagine a classroom where students can take a problem that is facing the world and solve it! In a STEAM classroom students will have the opportunity to obtain 21st Century Skills:

- Students will be able to reason effectively, planning decisions as they analyze implications of those decisions. This will lead to the analysis and evaluation of evidence, claims or beliefs in order to draw conclusions that will solve problems by identifying various points of view to find the best solution.
- Students will be able to articulate thoughts and ideas effectively using oral, written and nonverbal communication skills. In addition, they will be able to actively listen to decipher meaning and intent in order to communicate for a range of purposes (to inform, instruct, motivate and persuade).

- Students will be able to work efficiently and respectfully with diverse groups of people, demonstrating flexibility and the ability to compromise towards completion of a common goal. This will produce an innate sense of shared responsibility and the ability to value the contributions made by others.
- Perhaps most importantly, students will be able to use content knowledge to create new and worthwhile ideas and solutions to problems in the real world.

STEAM COURSE OFFERINGS FRESHMAN STEAM TEAM

STEAM ENGLISH 1 (2937/2938)

College Prep. Year, 1 credit.

The STEAM English course is for students who express interest in pursuing an education and/or career in the STEM (Science, Technology, Engineering and Mathematics) field. Topics are applied throughout the year to situations in the other STEAM courses (Biology, Engineering, English and World Geography). STEAM English will focus on project and inquiry-based learning. Driven by Essential Questions, students will focus on literary genre of fiction, non-fiction, drama and poetry, as well as the writing process for fiction and nonfiction. Emphasis will also be placed on presentation and communication skills. Problem solving and critical thinking skills are incorporated throughout the course. Students are expected to produce individual and group projects and must be willing to work with all peers in the STEAM program.

STEAM ENGLISH 1 (2939/2940)

Honors. Year, 1 credit.

The STEAM English course is for students who express interest in pursuing an education and/or career in the STEM (Science, Technology, Engineering and Mathematics) field. Topics are applied throughout the year to situations in the other STEAM courses (Biology, Engineering, English and World Geography). STEAM English will focus on project and inquiry-based learning. Driven by Essential Questions, students have the expectation of independent, extended learning, in addition to focusing on literary genre of fiction, non-fiction, drama and poetry, as well as the writing process for fiction and nonfiction. Emphasis will also be placed on presentation and communication skills, in addition to intensive discussion-based classroom discussion. Problem solving and critical thinking skills are incorporated throughout the course. Students are expected to produce individual and group projects and

must be willing to work with all peers in the STEAM program.

STEAM WORLD GEOGRAPHY (2933/2934)

College Prep. Year, 1 credit.

This course is a hybrid world history and world geography course. Through inquiry learning, creative projects, research, and presentations, students will gain a deeper understanding of the impact that humans have on the world. Content explorations will focus upon understanding the decisions that humans make regarding control over natural resources, the technological changes that have led to better efficiency in the production of goods and services, and the influences that environments have on human creativity and relationships.

STEAM WORLD GEOGRAPHY (2935/2936)

Honors. Year, 1 credit.

This course is a hybrid world history and world geography course. Through inquiry learning, creative projects, research, and presentations, students will gain a deeper understanding of the impact that humans have on the world. Content explorations will focus upon understanding the decisions that humans make regarding control over natural resources, the technological changes that have led to better efficiency in the production of goods and services, and the influences that environments have on human creativity and relationships.

STEAM BIOLOGY (2921/2922) (2923/2924)

College Prep. Year, 1 credit.

Honors. Year, 1 credit.

This STEAM Biology course is for students who express interest in pursuing an education and/or career in the STEM (Science, Technology, Engineering and Mathematics) field. Topics are applied throughout the year to situations in the other STEAM courses (Biology, Engineering, English and World Geography). This project based course allows students the opportunity in class to investigate concepts from molecular biology, genetics, biodiversity, evolution and ecology. Students are expected to produce and present individual and group projects. Students must demonstrate a willingness to work with all peers in the STEAM program. Successful completion of this course satisfies the biology requirement for graduation.

"Personalized learning is a progressively student-driven experience where students have a role in co-creating investigations and ideas"

Allison Zmuda

STEAM ALGEBRA 1 (2905/2906) (2929/2930)

College Prep. and Accelerated College Prep. Year, 1 credit.

The STEAM Algebra course is for students who express interest in pursuing an education and/or career in the STEM (Science, Technology, Engineering, and Mathematics) field. Topics are applied throughout the year to situations in the other STEAM courses, Biology, Engineering, English, and World Geography. Topics include properties of real numbers, solving linear equations, inequalities, literal equations, quadratic equations, and systems of equations; graphing linear functions, inequalities, and systems of inequalities; operations on polynomials, rational and irrational numbers; as well as an introduction to functions and data analysis. Problem solving and critical thinking skills are incorporated throughout the course. Prerequisite skills include operations on integers, fractions and decimals without the use of a calculator. Students will complete in-class assignments as well as homework on a regular basis. Students are expected to produce individual and group projects and must be willing to work with all peers in the STEAM program. Successful completion of this course satisfies the Algebra 1 requirement for graduation.

STEAM INTRO TO ENGINEERING DESIGN (2925/2926) (2927/2928)

College Prep. Year, 1 credit.

Honors. Year, 1 credit.

Topics include geometric constructions, orthographic projections, pictorial drawings, and computer-aided design and drafting. The course is designed as an interdisciplinary course that incorporates hands-on activities to make connections among science, technology, engineering, the arts, and math. Collaboration and communication skills will be emphasized to provide students with real-world applications of the curriculum.

"Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time"

Thomas A. Edison

SOPHOMORE STEAM TEAM**STEAM ENGLISH 2****(2941/2942) (2943/2944)**

College Prep. Year, 1 credit.

Honors. Year, 1 credit.

This course is focused on project and inquiry-based learning. Driven by Essential Questions, and aligned with the literary movements of British Literature, students read and analyze both fiction and nonfiction texts connected to cross-content themes. They conduct and demonstrate in-depth research projects, generate EasyBib-based annotated bibliographies and create digital portfolios. Learning exhibitions, collaborative demonstrations and projects including all STEAM content areas will showcase what is learned in class. Summer reading includes: *Food Rules: An Eater's Manual* by Michael Pollan, *Frankenstein* by Mary Shelley, and *The Curious Incident of the Dog in the Night-Time* by Mark Haddon.

STEAM AMERICAN SYSTEMS (CIVICS/ECONOMICS) (2959/2957)(2960/2958)

College Prep. Year, 1 credit.

Honors. Year, 1 credit.

STEAM American Systems is a combination of American Civics and Economics which centers around Project Based Learning, Essential Questions, and Student Choice. The portion of the course that fulfills the American Civics requirement emphasizes reading and writing skills in the citizenship context, and includes the study of the Constitution, the election process, and the three major branches of government: legislative, executive, and judicial. State, county, and local governments, as well as current events, are discussed throughout the course and will be explored through the study of national and international events. In meeting the Economics requirement, students be exposed to the basics of economics such as factors of production, economic questions, and economic systems. Students will also learn and practice personal finance skills which will prepare them for life beyond school as a twenty-first consumer. Honors students in this course will conduct rigorous research and participate in project development as well as teach pertinent lessons with instructor guidance and collaboration.

STEAM PHYSICAL SCIENCE**(2949/2950) (2951/2952)**

College Prep. Year, 1 credit.

Honors. Year, 1 credit.

This is a laboratory course that is designed as an introduction to basic physics and chemistry concepts addressed in the Next Generation Science Standards. Topics will include: proper and engineering processes and inquiry learn

ing. This course is designed to deepen your understanding of basic physics and chemistry to increase your confidence by teaching these subjects in inquiry-based ways.

STEAM GEOMETRY**(2945/2946) (2913/2914)**

College Prep. or Accelerated College Prep.

Year, 1 credit.

Prerequisite: Successful Completion of Algebra I.

The STEAM Geometry course is for students who express an interest in pursuing an education or career in the STEM (Science, Engineering, and Mathematics) field. Topics are applied throughout the year to situations in the other STEAM courses. This course covers the fundamental Geometry concepts including parallel lines, triangles, quadrilaterals, other polygons, similarity, congruence, circles, perimeters, areas, volumes and an introduction to Trigonometry basics. Students will explore deductive reasoning through proofs. Problem solving and critical thinking skills are incorporated throughout the course. Students will be expected to produce individual and group projects. They must be willing to work with all peers in the STEAM program.

PRINCIPLES OF ENGINEERING**(1669/1670)**

College Prep., Year, 1 credit.

A STEAM course that explores basic engineering concepts in an exciting, hands-on environment. Topics include simple machines, strength of materials, robotics, structure, strength and failure, problem solving, invention, basic machining, career options, and much more. This course has fun and challenging projects that compliment the material covered.

JUNIOR YEAR STEAM OFFERINGS**STEAM AMERICAN STUDIES****(2981/2982)(2995/2996)**

College Prep. Year, 1 credit.

Taught simultaneously with American Studies/American History, this year long theme-based course provides insight into the development of our uniquely American character and identity. Students explore both written and film fictional classics as well as numerous non-fiction texts, conduct research, answer Essential Questions and demonstrate their learning in ways that connect the history and literature of their country to their world today. Summer reading: *The Hotel on the Corner of Bitter and Sweet* by Jamie Ford.

"Education is the most powerful weapon, which you can use to change the world"
Nelson Mandela

STEAM AMERICAN STUDIES**(2983/2984)(2997/2998)**

Honors. Year, 1 credit.

Taught simultaneously with American Studies/American History, this year long theme-based course provides insight into the development of our uniquely American character and identity. Students explore both written and film fictional classics as well as numerous non-fiction texts, conduct research, answer Essential Questions and demonstrate their learning in ways that connect the history and literature of their country to their world today. Summer Reading: *The Hotel on the Corner of Bitter and Sweet* by Jamie Ford.

STEAM CHEMISTRY**(2953/2954) (2955/2956)**

College Prep. Year, 1 credit.

Honors. Year, 1 credit.

This is a laboratory course designed to introduce the student to chemical principles and concepts which are developed from observations and data; to understand and apply ordinary chemical and scientific phenomena encountered in everyday activities; and to assist the student in appreciating the role of the chemist and the chemical industry in the development of our present day highly technological society. Emphasis is placed on experiments yielding data, that when analyzed and interpreted; reveal important relationships such as trends and regularities, which can be used as a basis for developing unifying principles and concepts.

ADVANCED ALGEBRA 2 AND TRIGONOMETRY (0705/0706) (0707/0708)

Accelerated College Prep and Honors. Year, 1 credit.

Prerequisite: Successful completion of Accelerated College Prep or Honors Algebra 1 and Geometry.

The STEAM Advanced Algebra 2 and Trigonometry course is for students who express an interest in pursuing an education or career in the STEM (Science, Engineering, and Mathematics) field.

This is a challenging, fast-paced course that explores concepts in depth. Topics include the complex number system; matrices; systems of equations and inequalities; conic sections; properties of quadratic, exponential, logarithmic, radical, and rational functions; as well as right triangle and analytic trigonometry. Graphing calculators are used extensively. Problem-solving and critical thinking skills are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Pre-Calculus.

SENIOR YEAR STEAM OFFERINGS

STEAM SOCIAL ISSUES IN LITERATURE (2993)

College Prep. Semester, 0.5 credit.
This course is designed to heighten students’ awareness of literature as a means of conveying the impact of various social issues, including the history of book banning, censorship, and women’s issues. Emphasis will be on close reading of each text and comparative analysis through written and oral expression.

STEAM COLLEGE COMPOSITION (2989)

College Prep. Semester, 0.5 credit.
As the culminating writing course for STEAM, students will develop a formal research question and conduct intensive semester-long research culminating in an appropriately formatted and documented 10-12 page research paper. The course emphasizes writing as a process that undergoes various stages toward completion and engages a variety of rhetorical approaches.

BIOTECHNOLOGY & GENETICS (0935/0936)

College Prep. Year, 1 credit.
Prerequisite: Biology 1 and Chemistry are recommended. Students selecting this level of biotechnology will learn about cellular biology, stem cell research and cloning, classical and advanced genetics, molecular biology and DNA informatics, and bioethics. Students will spend about 35% of the time doing elaborate laboratory experiments and research projects practicing techniques used in industry.

This course is part of the Running Start program and may receive college credit.

ANATOMY & PHYSIOLOGY (0901/0902)

College Prep., Year, 1 credit.
Prerequisites: Biology 1 and Chemistry (may be taken concurrently).
Major topics covered are physiology, histology, anatomical terminology, and interrelationships of organ systems within an organism. The systems of the human body will be covered in depth. Labs range from microscope slide work to a complete mammalian dissection. This course utilizes college textbooks and college-level laboratory activities for instruction.

INTRODUCTION TO PRE-CALCULUS (0721/0722)

College Prep., Year, 1 credit.
Prerequisite: successful completion of Algebra 2 and Trigonometry and Geometry.
This course is designed to prepare students for college-level pre-calculus. Topics include applications and graphs of algebraic, exponential, logarithmic, and trigonometric functions. NOTE: Open to all students and not STEAM affiliated.

PRE-CALCULUS (0725/0726) (0727/0728)

Accelerated College Prep and Honors. Year, 1 credit.
Prerequisite: Successful completion of Advanced Algebra 2 and Trigonometry and Geometry.
Topics include analysis of polynomial, exponential, logarithmic, and trigonometric functions; polar coordinates; statistics; probability; and an introduction to limits. Graphing cal

culators will be used extensively throughout the course. Problem-solving, critical thinking skills, and independent study are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Calculus. Running Start college credits may be available upon successful completion. NOTE: Open to all students and not STEAM affiliated.

FINITE MATH (0735/0736)

College Prep. Year, 1 credit.
Prerequisite: successful completion of Algebra 2 and Trigonometry and Geometry.
This course is designed for the student who is interested in pursuing a business or liberal arts degree. Topics include linear systems, matrices, linear programming, probability, statistics, and finance. Applications are drawn from the areas of the social sciences and economics. Running Start college credit may be available upon successful completion. NOTE: Open to all students and not STEAM affiliated.

"Education breeds confidence, confidence breeds hope, hope breeds peace." Confucius

SAMPLE REQUIREMENTS FOR COLLEGE/CAREER PLANNING				
ACADEMIC AREA	TECHNICAL COLLEGES	SELECTIVE COLLEGES	MORE SELECTIVE COLLEGES	HIGHLY SELECTIVE COLLEGES
LEVELS IN	From (CCP) - Higher choices in some programs	From (CCP and (ACP)	Primarily (ACP)	All (ACP), (HON), or AP courses
ENGLISH	4 Credits	4 Credits	4 Credits	4 or 5 Credits
MATHEMATICS	3 Credits including Algebra 1 or Algebra 1A and 1B and Geometry	3 Credits including Algebra 1, Geometry, & Algebra 2 & Trig (More for certain programs)	Four (4) Credits including Algebra 1, Geometry, & Algebra 2 & Trig (More for certain programs)	Four (4) or five (5) Credits including Algebra 1, Geometry, Algebra 2 & Trig, and Pre-calculus (More for certain programs)
SCIENCE	Two (2) or three (3) credits including Physical Science and Biology 1	Three (3) or four (4) credits including Physical Science, Biology 1, and Chemistry	Four (4) credits including Physical Science, Biology 1, Chemistry, Physics, and/or Anatomy & Physiology	Four (4) or five (5) credits including Physical Science, Biology 1, Chemistry, Physics, and/or AP courses
SOCIAL STUDIES	American Civics, World History or World Geography, US History, Economics, electives	American Civics, World History or World Geography, US History, Economics, electives	American Civics, World History or World Geography, US History, Economics, electives	American Civics, World History or World Geography, US History, Economics, electives
WORLD LANGUAGES	Optional	Two (2) consecutive years of the same world language	Three (3) consecutive years of the same world language	Four (4) or five (5) consecutive years of the same world language
FINE ARTS	1/2 credit of art or music to meet state requirements	Art/Music Majors - Four (4) or five (5) Credits - Students may need to submit a portfolio and/or schedule an audition	Art/Music Majors - Four (4) or five (5) Credits - Students may need to submit a portfolio and/or schedule an audition	Art/Music Majors - Four (4) or five (5) Credits - Students may need to submit a portfolio and/or schedule an audition

Flights of Discovery at the Aviation Museum
(2515/2516)

Year 1 credit.

Note: FOUR/FIVE HOURS PER WEEK

AFTER SCHOOL COMMITMENT

Flights of Discovery is a National Aeronautics and Space Administration (NASA) computer-based program of teaching-learning and practical hands-on projects that will give students an introduction to the world of aeronautical knowledge and skills. The Flights of Discovery Program is an integrated program crossing the usual lines of course content, enriching mathematics, sciences, geography and history to learn about the principles of flight, how they came to be understood, and how they are applied. Included are modules on Aeronautics, Navigation, Weather, Air Traffic Management, Communications, and Airport Design. The course is located at the Aviation Museum of New Hampshire in Manchester. Students are responsible for transportation to the museum. This course is being offered as an Extended Learning Opportunity (ELO). It has been developed through a partnership with the Manchester School District and the New Hampshire Aviation Historical Society. PREPARATION FOR THIS COURSE: Students must have an high interest in this area, be willing to work independently, and commit to an after school schedule.

Power Knights (FIRST) (2527/2528)

Year, 1 credit.

NOTE: AFTER SCHOOL COMMITMENT

Power Knights is an co-curricular learning experience designed to teach students about science and engineering. Students work with engineers and technicians to design and build a robot to compete in athletic-style competitions with schools from across the country. The team competes in regional and national events, along with several local events. The course is open to all students interested in the subject area and requires a minimum of 90% attendance to all FIRST-related events.

EXTENDED LEARNING OPPORTUNITIES

EXTENDED LEARNING OPPORTUNITY PROGRAM -

The ELO Program at West is an opportunity for students to explore and receive credit for learning activities outside the traditional classroom. These include internships, community service projects, independent course study, private instruction, work-based education and other activities that result in learning. Credit will be granted when the student demonstrates completion of course competencies as approved by certified personnel. Through reflection activities, students will examine their personal goals, skills, and values relating to the world of work. This program is open to everyone. Students must be able to commit to completing hours and activities that are outside their regular school hours. Students participating in this program are required to meet regularly with their cooperating teacher, community partner and/or ELO Coordinator. Each student must also keep a journal and complete a final project presentation. To learn more, a student should speak with his or her guidance counselor and/or the ELO Coordinator.



VIRTUAL LEARNING ACADEMY
CHARTER SCHOOL

VLACS Admissions Information for
Part-Time Students

Part-time students are typically enrolled in another school, being home schooled, or part of some other alternative program. Part-time students can be active in no more than four classes at one time and may not take more than six credits between July 1st and June 30th of any year. Students wishing to enroll in a VLACS course are strongly advised to check with their school's guidance counselor to determine whether selected courses will meet graduation requirements for their school.

Part-time Student Eligibility Criteria

In order to be eligible to enroll in classes as a part-time student at the VLACS a student must:

- Be a New Hampshire resident to qualify for free tuition or pay non-resident tuition in full prior to enrollment;
- Have not earned a high school diploma;
- Not be expelled from a school or diploma granting program;
- Successfully complete the enrollment process;
- Complete all coursework prior to their twenty-first birthday;
- Submit all information required by the NHDOE to ensure eligibility for funding.

VLACS Admissions Information for
Full-time Students

To complete the admissions process, prospective students are required to (1) complete an admissions application, (2) participate in student/parent interviews, and (3) transfer academic records to VLACS. During the admissions process, students should remain enrolled in their current school program until notified by the VLACS admissions office. Admitted students will be pursuing a VLACS diploma that meets New Hampshire requirements for high school graduation. Students must earn at least four credits per year plus meet requirements for community service, portfolio development, and will be in regular contact with an assigned advisor. Students who successfully complete the admissions process will be enrolled in classes as full-time seats become available. Students may take courses as a part-time student while waiting for full-time seats to become available.

Full-Time Student Eligibility Criteria

In order to be eligible to become a full-time student at the VLACS a student must:

- Be a New Hampshire resident to qualify for free tuition or pay non-resident tuition in full upon admission;
- Have not earned a high school diploma;
- Not be expelled from a school or diploma granting program;
- Successfully complete the admissions application including the submission of school transcripts;
- Complete one or more 1/2 segments of an English, math or science course with a grade of 70% or better as a part-time student before becoming eligible for full-time status;
- Receive a recommendation for acceptance

VLACS COURSE OFFERINGS 2020-2021

HIGH SCHOOL WORLD LANGUAGES

Spanish 1	Mandarin Chinese 1
Spanish 2	Mandarin Chinese 2
Spanish 3	Mandarin Chinese 3
Latin 1	French 1
Latin 2	French 2
Latin 3	

HIGH SCHOOL ARTS

Digital Photography 1
Digital Photography 2
Music Appreciation
Digital Arts
Digital Imaging
Art in World Cultures
Music Appreciation
Theater, Cinema, & Film Production
Web Design 1
Intro to Social Media

HIGH SCHOOL ENGLISH

English 1	English 3
English 1 Honors	English 3 Honors
English 2	English 4
English 2 Honors	English 4 Honors
Reading for College Success	
Public Speaking	Journalism
Mythology & Folklore	Gothic Literature
AP English Language and Composition	
AP English Literature and Composition	

HIGH SCHOOL TECHNOLOGY

Computing for College and Careers
Computer Programming - Python & Java
Digital Imaging
Web Design 1
Web Design 2
AP Computer Science A
Green Design & Technology

HIGH SCHOOL BUSINESS

Computer Science 1
Computer Science 2
Introduction to Entrepreneurship 1
Introduction to Marketing 1
Advertising & Sales Entrepreneurship
Hospitality & Tourism Sports Marketing

HIGH SCHOOL FAMILY & CONSUMER SCIENCE

Early Childhood Education
Fashion and Interior Design
Intro to Culinary Arts
Real World Parenting

HIGH SCHOOL MATH

Algebra 1	Liberal Arts Math
Algebra 1 Honors	Geometry
Algebra 2	Pre-Calculus Honors
Algebra 2 Honors	AP Calculus AB
AP Statistics	AP Calculus BC
Personal Finance	

HIGH SCHOOL SOCIAL STUDIES

American Government
US History
Global Studies
Economics
World History
Careers in Criminal Justice
Criminology
Human Geography
Intro to Sociology
AP US Government
Intro to Women's Studies
Psychology
AP Microeconomics
AP Macroeconomics
AP US History
History of the Holocaust
Intro to Anthropology
Intro to Psychology
Law and Order

HIGH SCHOOL SCIENCE

Biology 1
Biology 1 Honors
Chemistry
Earth/Space Science
Marine Science Biotechnology
AP Environmental Science
Anatomy & Physiology
Anatomy & Physiology Honors
Marine Science
Marine Science Honors
Green Design and Technology
Physical Science
Physical Science Honors
Chemistry Honors
AP Biology

TEST PREPARATION/STUDY SKILLS

English Language Arts Critical Thinking
(SAT, ACT, CCSS Test Prep)
Mathematics Critical Thinking
(SAT, ACT, CCSS Test Prep)
Thinking and Learning Strategies