

Ayer Shirley Regional High School



Program of Studies 2021 – 2022

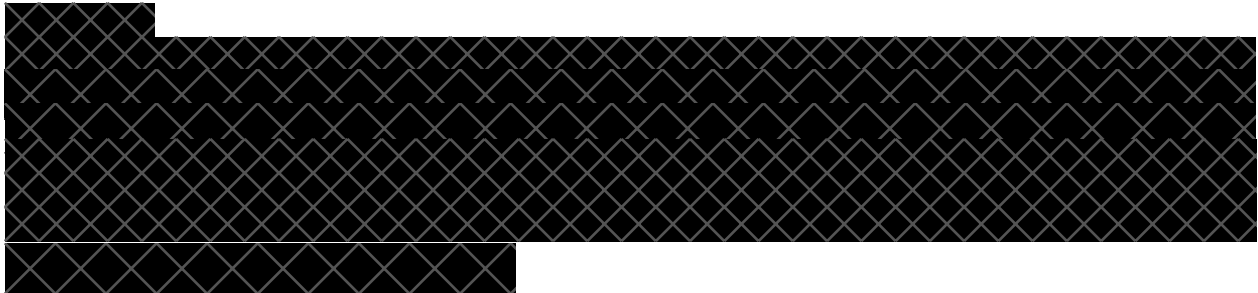
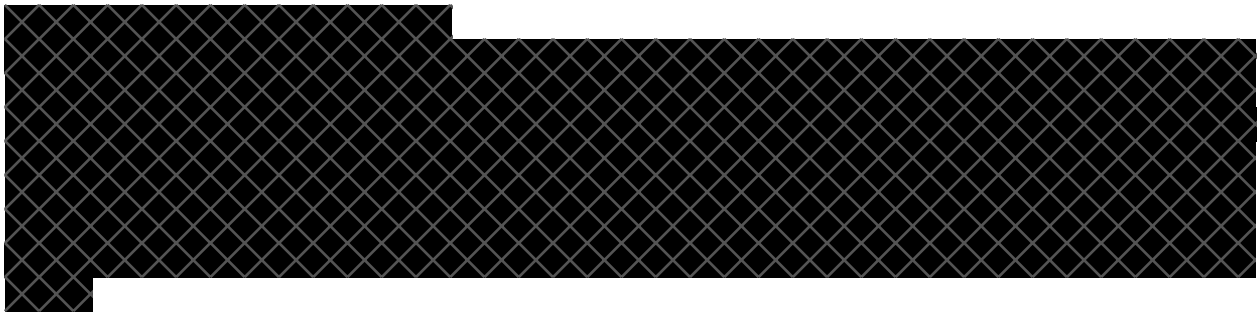
141 Washington Street

Ayer, MA 01432

Phone: 978-772-8600

Fax: 978-772-8615

www.asrsd.org



GRADUATION REQUIREMENTS

The MassCore is a state recommended rigorous program of study that aligns high school course work with college and workforce expectations. ASRHS is striving for all students beginning with the graduating class of 2020 and beyond to meet both ASRSD and MassCore requirements. In addition, students are also required to meet the Competency Determination (CD) under Massachusetts’ state law, which requires students to demonstrate mastery of a common core of skills, competencies, and knowledge in the areas of Mathematics, English Language Arts, and Biology or Science & Technology/Engineering as measured by the MCAS exam. Competency Determination is achieved by students earning a score of “proficient” on the Mathematics and English exams, and a score of “passing” on the Biology or Science & Technology/Engineering exam. Students who pass MCAS but do not reach proficiency will be placed on an Educational Proficiency Plan. This plan allows students to reach proficiency and complete all the ASRHS graduation requirements simultaneously.

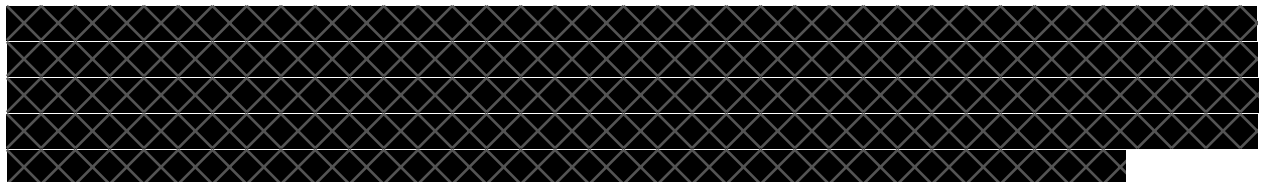
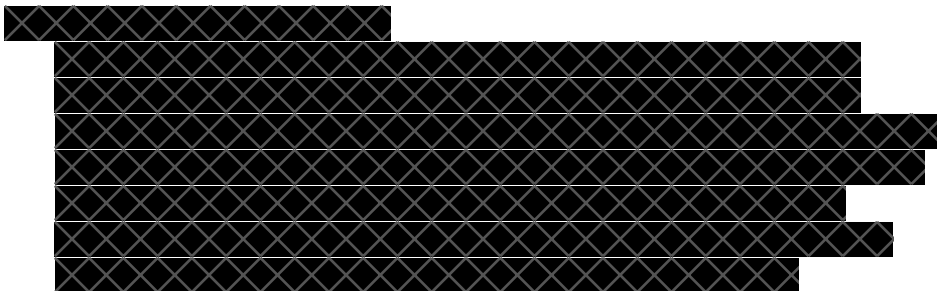
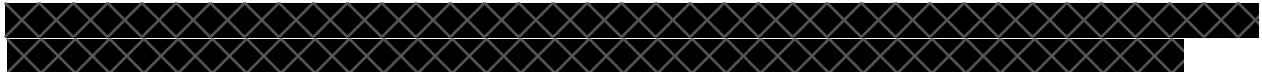
Area of Study/Subject	ASRHS	MassCore
English	4 years	4 years
Math	4 years***	4 years
Science	4 years (3 lab-based) *, ***	3 years lab-based
History/Social Science	4 years	3 years
World Language	2 years**	2 years**
Fine Arts (visual, music, etc.)	1 year	1 year
Career and technical education, or any other subject areas	1 year	1 year <i>5 additional “core” courses</i>
Physical Education/Wellness	4 semesters (1 semester per year, 4 semesters total)	As required by state law, (M.G.L. c. 71, s. 3)

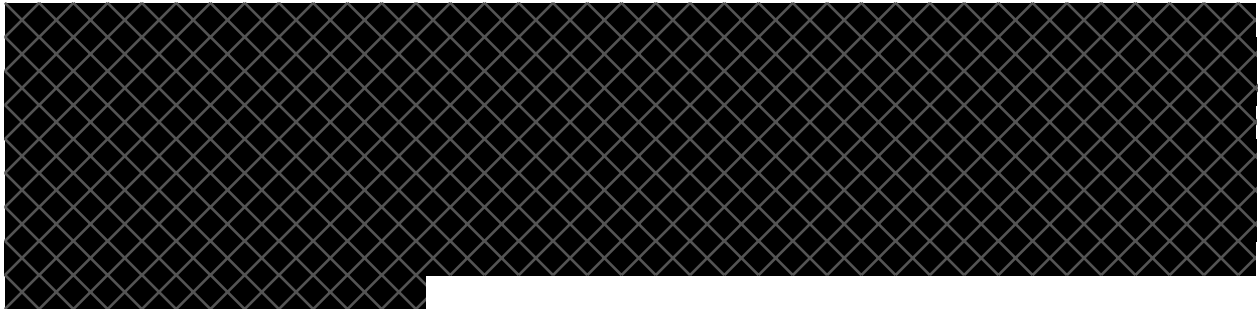
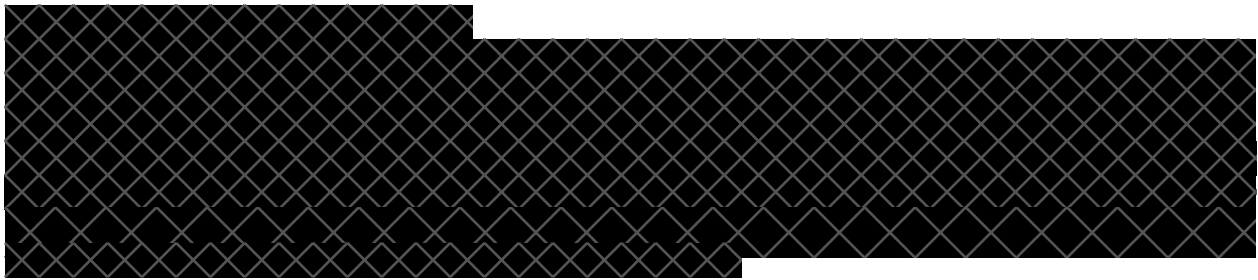
Additional Learning Opportunities	<ul style="list-style-type: none"> ● Advanced Placement classes ● Dual enrollment/middle college ● Senior Capstone ● Online courses for high school or college credit ● Service or work-based learning ● Internship/externship 	<ul style="list-style-type: none"> ● Advanced Placement classes ● Dual enrollment/middle college ● Senior project coursework ● Online courses for high school or college credit ● Service or work-based learning
Community Service	50 hours community service	

Typically, college and universities require a year each of the following: **Biology, Chemistry, and Physics.*

***Students must take two years of the **SAME** world language.*

****Students may substitute one unit of **Computer Science** that includes rigorous mathematical concepts, or rigorous scientific concepts, and aligns with the Digital Literacy and Computer Science standards for a mathematics or a laboratory science course.*





MassCore

Strongly recommended by the Massachusetts Department of Elementary and Secondary Education for all high school students to complete.

9 th GRADE	10 th GRADE	11 th GRADE	12 th GRADE
Humanities English I CP	Humanities English II CP	American Literature CP	World Literature CP
Humanities U.S. History I CP	Humanities U.S. History II CP	Modern World History CP	U.S. Government CP
Integrated Math I CP or Integrated Math II CP	Integrated Math II CP or Integrated Math III CP	Integrated Math III CP or Advanced Mathematical Applications	Advanced Mathematical Applications, Advanced Algebra, Statistics H or AP
Biology CP	Chemistry CP	Physics CP	Science Elective
World Language	World Language	Elective	Elective or Senior Seminar

HONORS/AP/EARLY COLLEGE

9 th GRADE	10 th GRADE	11 th GRADE	12 th GRADE
Humanities English I H	Humanities English II H	American Literature H or AP Language and Composition	World Literature H or AP Literature and Composition
Humanities U.S. History I H	Humanities U.S. History II H	Modern World History H & Sociology H & Psychology C.C.	U.S. Government H or AP Government
Integrated Math I/II H or Integrated Math II H or Integrated Math II/III	Integrated Math II/III H or Integrated Math III H	Pre-Calculus H or AP Statistics	Statistics H, AP Calculus AB or BC or AP Statistics
Biology H	Chemistry H	AP Chemistry, AP Biology, AP Physics 1 or Physics H	AP Physics, Physics H or AP Biology
World Language	World Language	AP Computer Science Principles	Elective or Senior Seminar

*Students are able to enroll in AP classes, early college, or dual enrollment courses for college credit.

STEM

9 th GRADE	10 th GRADE	11 th GRADE	12 th GRADE
Principles of Engineering I or Computer Programming	Principles of Engineering I or Principles of Engineering II	CAD I Principles of Engineering II AP Computer Science Principles	CAD I CP CAD II CP AP Physics, Physics H Dollars & Sense Senior STEM Internship

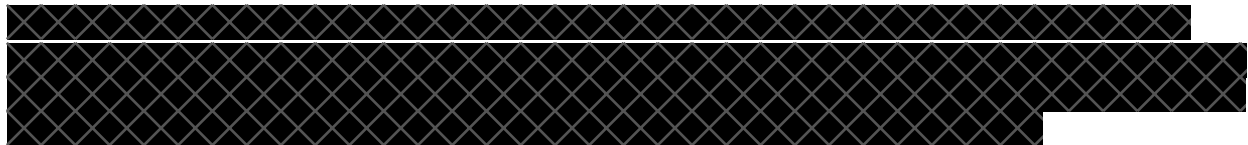
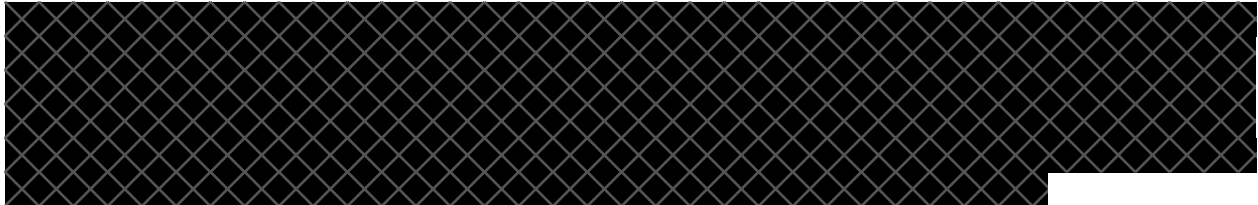


EARLY CHILDHOOD

Proposed courses will be held onsite at the Ayer Shirley Regional High School.
Practicums will be served in preschool classrooms at the Page Hilltop School.

	Semester I	Semester II
9th Grade	Humanities I	Humanities I
10th Grade	Humanities II	Humanities II
11th grade	Introduction to Psychology 3 credits MWCC Note-currently taught at HS by MWCC instructor. No articulation agreement is required to earn college credit.	ECE 101 3 credits MWCC Introduction to Early Childhood Education course description, syllabus and curriculum units are attached. *MWCC recommends an ASRHS teacher to apply to be certified by MWCC to teach this course using MWCC course content and recommended text, No articulation agreement required
12th grade	Practicum I 4 credits (150 hrs- 10 hrs per week for 15 weeks) *Articulation agreement required to earn college credit ** Security Clearance Required	Practicum II 4 credits (150 hrs- 10 hrs per week for 15 weeks) *Credits to be awarded upon enrollment in MWCC's Early Education degree program

*Formal articulation agreement to be written by Linda Scullane and submitted for approval to Dr. Roseann Morel, Department Chair and Professor of Early Childhood Education, MWCC (Articulation agreement estimated to be confirmed in late January as college is on break until January 22, onsite visit to preschool classrooms may be required).
**Students participating in Practicum field experiences must undergo a Criminal Offender Record Information (CORI) check.





SPECIAL PROGRAMS

RESEARCH SKILLS **CRS 2025** **GR 9-12** **CR 2.5** **S**
Introduction to library print and electronic resources to support student research, information tasks, and proper citation. Students will become familiar with the configuration and use of the library catalog in order to locate materials for research and recreational reading; online databases and websites to access information for research purposes; and methods to evaluate information. Students will be expected to complete several assignments throughout the semester, including research projects, using the information and skills covered in class.

LIBRARY ASSISTANT **CRS 2017** **GR 11-12** **CR 2.5** **S**
CRS 2018 **CR 5.0** **Y**
This course introduces students to the subject of library and information science and organization. Under the direction and supervision of the high school librarian, students taking this course assist with collection maintenance and special projects to support library activities. Grading is done on a pass/fail basis. Enrollment is limited. Students must obtain permission from the high school librarian in order to enroll in this course.

SENIOR INTERNSHIP **CRS 2004** **GR 12** **CR MAY VARY** **Y**
This class is for students who would like to explore future career goals to help in their choice of future education. This class incorporates intensive research with an off campus internship which culminates in a presentation at the end of the course to a panel of judges from the school community. Selection for this class is based on criteria established by the Senior Internship committee, plus a proposal submitted by the students. Students receive credit for this course.

APAC INDEPENDENT STUDY **CRS 2026** **GR 11-12** **CR W.5** **S**
Ayer Public Access Corporation (APAC) is offering an internship for Ayer-Shirley Regional High Schoolers. For interested students this independent study offers a chance to work for and alongside members of the APAC staff as students' film, edit and cut programs that will be shown both at the high school and on APAC.

EARLY CHILDHOOD **CRS 2041** **GR 11** **CR 5.0** **S2**
This course is an introduction to the field of early childhood. It studies the foundations, history, philosophy, ethics, the role of the teacher, and the changing needs of children in a variety of settings. This course will address licensing regulations, state and national standards and how they impact on the social, emotional, and intellectual growth of the child. Students participating in field experiences must undergo a Criminal Offender Record Information (CORI) check.

WORK STUDY

This course provides an opportunity for seniors to engage in exploring one or more career opportunities. Seniors must have met graduation requirements and have received administrator approval. This is a non-credit bearing course; rather students get paid. This is a supervised program between ASRHS and the employer.

INDEPENDENT ACADEMIC STUDY

This course is for students who have an interest in advanced study in a specific subject area. Students wishing to enroll in this class must submit a proposal which includes the learning objectives, curriculum components, method of evaluation, and identify the cooperating teacher. A committee must approve the proposal for the student to enroll in the course. If warranted, Honors level credit will be awarded with an alternate course number. This course may be taken for a year or semester as determined by the committee.

EMERGENCY MEDICAL TECHNICIAN

As part of a special waiver to Massachusetts' E.M.T. certification guidelines, ASRHS seniors may participate with community adults in an Ayer Ambulance Service sponsored E.M.T. Basic Training course. Course participants spend approximately 150 hours on a combination of classroom lectures, practical skill sessions, and riding as assistants on ambulance calls. Topics such as basic human anatomy, general pharmacology, respiratory and cardiovascular emergencies, disease-related medical conditions, environmental and behavioral emergencies, musculoskeletal care, soft tissue injuries, trauma and infant and child trauma are covered in the class. Upon successful completion of the course, students take the state written and practical exams for full E.M.T. – B certification. The expenses that students are to be responsible for are as follows: National Certification, \$80; Massachusetts Certification, \$150; and State/MWCC Practical Exam Fee, \$130. This course is limited to 20 – 25 seniors only.

