



Somerville Independent School District

570 8th Street Somerville, TX 77879

(Phone) 979-596-1534 (Fax) 979-596-3649 www.somervilleisd.org

Secondary Course Catalog

2024-2025

Board of Trustees

Jason Urbanosky, President

Melissa Tharp, Vice-President

Linda Pinkerton, Secretary

Joe Gonzales, Treasurer

Kim Casanova, Member

Keith Howe, Member

David Idlebird, Member

Superintendent

Eric Holton

Director of Special Programs and Advanced Academics

Dr. Amy Wallace

Data Analyst

Jerod Neff

Business Manager

Amanda Flencher

Principal

Steven Toliver

Assistant Principal

William Warner

The purpose of this publication is to provide guidance to students and parents in planning a successful high school course of study tailored to individual needs, interests, and aspirations. At Somerville ISD, we believe that excellence in education is essential for all students, irrespective of their interests or abilities. Our courses and programs are developed with this philosophy in mind, aiming to equip students with the fundamentals needed throughout life while also preparing them for the evolving demands of the future. We recognize that your high school education, whether aimed at preparing for college or entering the workforce, is shaped by your choice of courses and the application of your abilities. To support you in this journey, we offer a diverse range of courses and programs designed to facilitate admission into post-secondary education institutions or immediate success in a competitive workforce.

Somerville High School

College Board Code: 446635

County: District: Campus Code: 026-902-001

Mission

Somerville Independent School District will cultivate a safe, engaging learning environment that provides positive social, emotional, and academic support for each student to ensure resilient life-long learners.

Vision

Cultivating Resilience the Yegua Way.

Values

Student Performance

1. Provide high-quality instruction for all through academic and post-secondary success through proficiency in reading and math, and implement programs aimed to support college and career readiness in a safe and secure environment.

Human Resources

2. Recruit, retain, and develop high-quality teaching staff, who engage in continuous professional development focused on providing viable and relevant student instruction, and who share the responsibility for providing a positive and successful learning environment.

Partnerships

3. Cultivate partnerships by engaging students, parents, staff, and the community through positive, transparent communication and open collaboration.

Equity

4. Effectively personalize learning for each child through individualized, accelerated learning plans and differentiated instruction.

Fiscal Responsibility

5. Maintain a transparent and balanced budget while supporting academic excellence and expanding resources for students and staff.

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Graduation Requirements

Foundation Course Requirements (See notes following for clarification of course selection options.)	Foundation Plan	Foundation Plan w/ Endorsements	Distinguished Level of Achievement (DLA) <i>Note: The DLA is required to qualify for automatic college admission under the Texas Top 10% provisions.</i>
English Language Arts (ELA)	English I, II, III, & an Advanced English Course (4 credits)	English I, II, III, & an Advanced English Course (4 credits)	English I, II, III, & an Advanced English Course (4 credits)
Mathematics	Algebra I, Geometry, & an Advanced Math Course (3 credits)	Algebra I, Geometry, & two Advanced Math Courses (4 credits)	Algebra I, Geometry, Algebra II, & an additional Math Course (4 credits)
Science	Biology, IPC or an Advanced Science Course, & an Advanced Science Course (3 credits)	Biology, IPC or an Advanced Science Course, & two Advanced Science Courses (4 credits)	Biology, IPC or an Advanced Science Course, & two Advanced Science Courses (4 credits)
Social Studies	World Geography and/or World History, U.S. History, U.S. Government (.5 credit) & Economics (.5 credit) (3 credits)	World Geography, World History, U.S. History, U.S. Government (.5 credit) & Economics (.5 credit)(credit) (4 credits)	World Geography, World History, U.S. History, U.S. Government (.5 credit) & Economics (.5 credit)(credit) (4 credits)
Languages Other Than English (LOTE)	LOTE (2 credits in the same language, computer programming language)	LOTE (2 credits in the same language, computer programming language)	LOTE (2 credits in the same language, computer programming language)
Fine Arts	Fine Arts (1 credit)	Fine Arts (1 credit)	Fine Arts (1 credit)
Physical Education	Physical Education (1 credit)	Physical Education (1 credit)	Physical Education (1 credit)
Electives	Electives (5 credits)	Electives (6 credits)	Electives (6 credits)
Endorsements <i>Note: A student may earn an endorsement by successfully completing:</i> <ul style="list-style-type: none"> Curriculum requirements for the endorsement, Four credits in mathematics, Four credits in science, and Two additional elective credits. 	(No Endorsement)	<i>Note: See detailed resources on requirements for each endorsement.</i> <ul style="list-style-type: none"> STEM (Science, Technology, Engineering, & Math) Business & Industry Arts & Humanities Public Service Multidisciplinary 	<i>Note: See detailed resources on requirements for each endorsement.</i> <ul style="list-style-type: none"> STEM (Science, Technology, Engineering, & Math) Business & Industry Arts & Humanities Public Service Multidisciplinary
Total Credits Required	22	26	26

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Foundation Plan Graduation Requirements

The Texas Legislature enacted a new graduation plan, the Foundation High School Program (FHSP), in the spring of 2013 that became effective beginning in the fall of 2014. Students who enter grade 9 for the first time in the fall semester of 2014 or after MUST select one of the three Foundation Graduation Plans: the Distinguished Level of Achievement Foundation Plan, the Foundation Plan with Endorsement, or the Basic Foundation Plan. The only difference between the Foundation Plan with Endorsements and the Distinguished Level of Achievement (DLA) Foundation Plan (with Endorsements) is that the DLA requires Algebra II, which is a course that most colleges strongly prefer. For this reason, the DLA is the preferred Foundation Plan.

Languages Other Than English (LOTE) Graduation Requirement Guidelines

The Foundation High School Program (FHSP) requires any two credits of the same language or two from Computer Science I, II, and III, AP Computer Science Principles, AP Computer Science A, IB Computer Science Standard Level, and IB Computer Science Higher Level. Note that some colleges do not accept Computer Science as a LOTE course. If after completing the first credit in LOTE or Computer Science, the student demonstrates that he or she is unlikely to be able to complete the second credit, the student may substitute another appropriate course, such as a different language course, World History or World Geography (that is beyond the four required social studies credits), Computer Science, or the Special Topics in Language and Culture course.

A student who due to a disability is unable to complete two credits of the same language in LOTE or Computer Science, may substitute:

- A combination of two credits from English language arts, mathematics, science, or social studies, or
- Two credits in career and technical education or technology applications.

The determination regarding a student's disability to complete the LOTE credit requirements will be made by:

- The student's ARD committee if the student receives special education services, or
- The committee was established for the student under Section 504 of the Rehabilitation Act of 1973.

STAAR EOC Assessments - Required for Graduation

The State of Texas Assessments of Academic Readiness (STAAR) End-of-Course (EOC) tests are a graduation requirement. When the student has completed the academic course for the specified exam, the student will be required to take the corresponding EOC. The EOCs by the Texas Legislature to be: **English I, English II, Algebra I, Biology, and U.S. History**. Test preparation is available at no cost at <https://www.khanacademy.org/>.

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Classification of Students by Grade Level

Grade classifications are based on the number of credits actually completed prior to the first day of the school year. Students are not reclassified during the school year except for:

- Fourth year juniors who have 21 credits and are on track to graduate.

Freshmen (9 th)	promoted from 8 th grade
Sophomore (10 th)	minimum 6 credits
Junior (11 th)	minimum 12 credits
Senior (12 th)	minimum 18 credits

Performance Acknowledgements

Performance Acknowledgements note outstanding achievement in specific areas for students pursuing the foundations with endorsement graduation plan. These distinctions will be included on the student's high school transcript. A student may earn a performance acknowledgment for outstanding performance in the areas of:

Dual Credit – In a dual credit course, by successfully completing at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or by earning an associate's degree while in high school.

Bilingualism & Biliteracy – By demonstrating proficiency in accordance with local school district grading policy in two or more languages by completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and satisfying one of the following:

- Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
- Demonstrated proficiency in the TEKS for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
- Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100;

NOTE: In addition to meeting the requirements to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have participated in and met the exit criteria for a bilingual or ESL program; and scored at the Advanced High level on the TELPAS.

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

PSAT Test – By earning a score on the PSAT that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation.

SAT Test – By earning a combined critical reading and mathematics score of at least 1250 on the SAT.

ACT Test – By earning a composite score on the ACT examination of 28 (excluding the writing subscore).

Certification/License – For earning a nationally or internationally recognized business or industry certification or license with performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or performance on an examination sufficient to obtain a government-required credential to practice a profession.

College Readiness

Tests:

ASVAB (Armed Services Vocational Aptitude Battery): The ASVAB is an optional career planning test offered free of charge on each high school campus as required by Texas Senate Bill 1843. Participation is optional. This test can help with career planning by identifying and clarifying interests. Contact the campus counseling office for more information.

The **SAT** and the **ACT** are two different college entrance exams that most colleges and universities require high school students to take as part of the application process. While strong scores are valued, the college entrance exam score is just one of many factors college admissions offices use to determine a student's acceptance to their colleges. The ACT and the SAT measure similar but not identical content and skills, and they employ different score scales. The ACT Composite score is based on a scale of 1 to 36, while the SAT Total score ranges from 400 to 1600. Both the ACT and SAT are accepted at all colleges and universities in the United States. Registration information for these exams may be found at act.org and collegeboard.org. Fee waivers for qualified students may be obtained in the campus counseling office. Somerville ISD provides a free SAT/ACT school-day testing opportunity for all juniors and seniors.

PSAT: Recommended for college-bound students, the PSAT provides practice for the SAT. The PSAT assesses verbal and mathematical skills, and is given at no cost to all sophomores and juniors. Though eligibility for the National Merit Scholarship Program is determined by a student's junior year score on the PSAT, sophomores take the PSAT to receive personalized SAT practice through Khan Academy and to get feedback on AP courses they should consider through the AP Potential tool.

TSIA2 (Texas Success Initiative Assessment): The TSI is a state requirement for all students entering any Texas public college/university (i.e. Blinn Community College, A&M, Texas State, Texas Tech, UT, etc.). You must satisfy this requirement prior to college enrollment. You are exempt from the TSI Assessment if you meet one of the following College Readiness measures.

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

College Readiness Minimum Scores		
College Readiness Measure/ Test	Reading and Writing Exemption	Math Exemption
SAT www.collegeboard.com	Reading 480 (Evidence-Based Reading & Writing - EBRW)	Math 530
ACT www.actstudent.org	Reading 19 Composite score = 23 (which includes a 19 in reading)	Math 19 Composite score = 23 (which includes a 19 in math)
Texas Success Initiative Assessment 2.0 (TSIA2) https://tsia2.actuplacer.org/	ELAR (English Language Arts & Reading): A score in the range of 945–990 on the ELAR Test and a score of at least 5 on the Essay Test or an ELAR Test score below 945 and an ELAR Diagnostic Test score of 5 or 6 and an Essay Test score of 5 or higher.	Mathematics: A score in the range of 950–990 on the Mathematics Test or a Mathematics Test score below 950 and a Mathematics Diagnostic Test score of 6.

FAFSA/TASFA Application - Required for Graduation

Beginning with the Class of 2022, completion of the FAFSA or TASFA is a graduation requirement.

FAFSA (Free Application for Federal Student Aid) is a standard federal form used to determine a college-bound student's eligibility for most types of financial aid including

- work-study programs,
- need-based and merit-based grants and scholarships, and
- federal government backed student loans.

Completing the FAFSA does not commit a student or family to accept any student loan. If interested, the family may accept all or part of the student loans offered. The FAFSA becomes available on October 1. Seniors and their parents should complete the FAFSA by December 31 of the senior year. The income information is taken from the previous year's income tax filing.

See <https://fafsa.ed.gov/>.

TASFA (Texas Application for Student Financial Aid) is designed for students who are not eligible to complete the FAFSA. More information, see <https://www.finaid.txstate.edu/more-info/TASFA.html>.

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

NCAA

The NCAA, or National Collegiate Athletic Association, was established in 1906 and serves as the athletics governing body for more than 1,200 colleges, universities, conferences and organizations. The NCAA has established rules on eligibility, recruiting, and financial aid for Division I, II, and III members.

College-bound student athletes who wish to compete in NCAA Division I or II athletics must register and have their amateur status certified by the NCAA Eligibility Center - www.eligibilitycenter.org It is the student's responsibility to ensure that the Eligibility Center has all of the necessary documents for certification. These documents include: registration with the Eligibility Center, release form and fee, official high school transcript from each high school attended, and SAT/ACT scores.

For more information about specific NCAA requirements, see your high school counselor or access the Resources page on the NCAA Eligibility Center website.

Advanced Academics

	<i>Honors</i>	<i>Dual Credit UT OnRamps</i>	<i>Dual Credit Blinn</i>
Philosophy and Perspective	Honors courses are college preparation courses currently offered in math and science, as well as foreign language. These courses are designed to be academically challenging and highly rigorous.	DC is a specific type of dual enrollment where a student receives both high school and college credit for the same class. The program provides students with the opportunity to establish an educational foundation that will enable them to continue their academic success at a college or university.	
Learner Profile	Students who are successful in honors courses tend to be linear thinkers who are motivated and thrive in a rigorous classroom environment.	Students are not required to meet testing standards to qualify for OnRamps. However, students should possess advanced academic skills, and they should have the maturity level needed to be successful in college- level coursework. Students will experience a higher level of rigor through the University of Texas OnRamps program.	Students must meet Blinn's Eligibility/Testing Requirements . DC students tend to earn A's or B's in college preparatory high school classes. Students should possess advanced academic skills, and they should have the maturity level needed to be successful in college- level coursework.
Enrollment	Open enrollment for all 8th-12th grade courses, with some courses specific to grade level: English (8th) Algebra 1 (8th)*not part of GPA calculation. Geometry(9th) English 1 (9th) Algebra 2 (10th) English 2 (10th) English 3 (11th) PreCalculus (11th/12th) Spanish 3 (10th/11th/12th)	Open enrollment for all 11th and 12th graders who choose to enroll in the UT OnRamps Program. US History (11th) English 4 (12th) College Algebra (11th/12th)	Open enrollment for high school students who meet testing requirements. Government (12th) Economics (12th)

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

College and University Credit	No College Credit Awarded	Students who successfully complete an OnRAmps course can choose to accept the credit in the course. The grade will then appear on the student's university transcript. Credit reflected on the student's University of Texas transcript may or may not be transferred to some colleges or universities, especially those outside of Texas. Students and parents should verify the school's credit transfer policies.	Students who successfully complete a DC course with a passing grade are awarded both high school credit and college credit. Credit reflected on the student's Blinn College transcript may or may not be transferred to some colleges or universities, especially those outside of Texas. Students and parents should verify the school's credit transfer policies.
Weighted GPA Scale	5+	6+	6+

Grading

Grade Point Calculation:

GPA is determined based on the quality points assigned to high school credit courses taken in grades 9-12 only. The following courses are excluded from GPA calculations: any course substituted for physical education, athletics, cheerleading, dance, and any fine arts course beyond the one fine arts course required for graduation. Local courses, assigned remediation courses, courses assigned a Pass/Fail grade, or credit by examination are also excluded from GPA calculation.

Class rank is determined by the overall GPA through the 4th -weeks of the senior year.

Grading Scale:

Letter Grade	Numeric Grade	Level Grade Points	Honors Grade Points	Dual Grade Points
A	90-100	3.0-4.0	4.0-5.0	5.0-6.0
B	80-89	2.0-2.9	3.0-3.9	4.0-4.9
C	70-79	1.0-1.9	2.0-2.9	3.0-3.9
F	0-69	0	0	0

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Course Requests/Scheduling

Classes of Limited Enrollment

In certain classes, enrollment must be limited because of facilities and/or equipment. Priority of enrollment will be given to seniors first, juniors next, etc. in these instances.

Minimum Course Load

Each student at Somerville High School must be a full-time student and enrolled in all periods, with the exception of qualifying seniors who are allowed one early release period.

Schedule Changes/Dropping Courses

It is imperative that students and parents give careful consideration to the selection of courses during the registration process. The schedule the student receives on the first day of school will be the schedule they will follow for the school year. Schedule changes will be considered only in the event of lack of prerequisites, school's error, a scheduling conflict, or results from successful completion of summer school. A student may exit a full year course at the end of the 1st semester, provided there is space available in the desired course along with teacher conference, parent permission, and counselor and teacher approval.

Dropping a Class with a Failing Grade

As stated in the TEA & UIL Side-by-Side, "Dropping a class with a grade lower than 70 at the end of a grading period causes a student to lose eligibility until 7 calendar days after the end of the 3 school week evaluation period.

6th Grade Core Courses

Reading/English Language Arts		
Prerequisite(s): None	Grade Level	Course Length
	6 th	Year
Students will continue to apply earlier standards with greater depth in increasingly more complex texts as they become self-directed. Middle School Reading and English Language Arts (RELA) supports the interconnected nature of listening, speaking, reading, writing, and thinking. Students consistently participate in activities that address the content specified in the grade 6 English Language Arts-Reading TEKS.		
Fee: None	English Requirement	

Reading/English Language Arts Honors		
Prerequisite(s): None	Grade Level	Course Length
	6 th	Year
Students will continue to apply earlier standards with greater depth in increasingly more complex texts as they become self-directed. Middle School Reading and English Language Arts (RELA) supports the interconnected nature of listening, speaking, reading, writing, and thinking. Students consistently participate in activities that address the content specified in the grade 6 English Language Arts-Reading TEKS. Advanced coursework includes significant reading and writing practice, critical thinking and analysis, inquiry, and peer collaboration and discussion.		
Fee: None	English Requirement	

Mathematics		
Prerequisite(s): None	Grade Level	Course Length
	6 th	Year
Sixth grade on-level classes cover the 6th grade Texas Essential Knowledge and Skills. Students work with all concept strands of mathematics, with a focus on numeration and operations with positive rational numbers and integers, proportionality including additive and multiplicative relationships, expressions and equations, measurement and data, and personal financial literacy.		
Fee: None	Mathematics Requirement	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Mathematics Honors		
Prerequisite(s): None	Grade Level	Course Length
	6 th	Year
This class covers 6th grade, about one-half of 7th grade, and a few of 8th grade Texas Essential Knowledge and Skills. Students' progress rapidly through a review of operations with fractions and decimals and concentrate on problem solving with rational numbers, equations, integers, ratio, proportion, percents, and personal financial literacy. Students in the Advanced program should be those desiring to complete at least five years of high school mathematics.		
Fee: None	Mathematics Requirement	

Science		
Prerequisite(s): None	Grade Level	Course Length
	6 th	Year
This science course is an integrated science course that involves topics from life, earth, and physical science, with special emphasis on physical science. It is designed to stimulate students' curiosity in an atmosphere that encourages them to generate questions concerning their environment and how their world works. Laboratory investigations emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials.		
Fee: None	Science Requirement	

Social Studies		
Prerequisite(s): None	Grade Level	Course Length
	6 th	Year
In this course students will study world cultures, people, places, and societies of the contemporary world through cultural and geographic themes and discover their impact upon present and future societies. Real world application to students' lives and connections to the global community through technology will be emphasized through higher order thinking skills and individual independent research.		
Fee: None	Social Studies Requirement	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

7th Grade Core Courses

Reading/English Language Arts		
Prerequisite(s): None	Grade Level	Course Length
	7 th	Year
Middle School Reading and English Language Arts (RELA) supports the interconnected nature of listening, speaking, reading, writing, and thinking. Students consistently participate in activities that address the content specified in the grade 7 English Language Arts-Reading TEKS while providing students a foundation for college and career readiness. 7th grade students will also refine and master previously learned knowledge and skills.		
Fee: None	English Requirement	

Reading/English Language Arts Honors		
Prerequisite(s): None	Grade Level	Course Length
	7 th	Year
Middle School Reading and English Language Arts supports the interconnected nature of listening, speaking, reading, writing, and thinking. Students consistently participate in activities that address the content specified in the grade 7 English Language Arts-Reading TEKS while providing students a foundation for college and career readiness. Advanced coursework includes significant reading and writing practice, critical thinking and analysis, inquiry, and peer collaboration and discussion. The course prepares students for entry into the high school honors and dual credit courses.		
Fee: None	English Requirement	

Mathematics		
Prerequisite(s): None	Grade Level	Course Length
	7 th	Year
Seventh grade on-level classes cover the 7th grade Texas Essential Knowledge and Skills. Students work with all concept strands of mathematics, with a special emphasis on the fluency in numeration and operations of rational numbers, proportional relationships, and represent linear and geometric relationships verbally, tabularly, graphically, and with equations, and solving problems in varied contexts.		
Fee: None	Mathematics Requirement	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Mathematics Honors		
Prerequisite(s): None	Grade Level	Course Length
	7 th	Year
This 7th grade accelerated class completes all middle school mathematics topics and investigates pre-algebra topics, such as foundations of functions, in greater depth. Students in the Advanced program should be those desiring to complete at least five years of high school mathematics.		
Fee: None	Mathematics Requirement	

Science		
Prerequisite(s): None	Grade Level	Course Length
	7 th	Year
This science course is an integrated science course that involves topics from life, earth, and physical science, with special emphasis on life science. The course involves students in laboratory and field investigations focusing on the behaviors of living organisms and natural phenomena as well as making accurate observations, collecting, and analyzing data, and manipulating laboratory apparatus and materials in a safe and economical way. Laboratory activities also include animal dissections and extensive microscope observations.		
Fee: None	Science Requirement	

Social Studies		
Prerequisite(s): None	Grade Level	Course Length
	7 th	Year
This course provides an overview of the history of Texas from early times to the present.		
Fee: None	Social Studies Requirement	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

8th Grade Core Courses

Reading/English Language Arts		
Prerequisite(s): None	Grade Level	Course Length
	8 th	Year
Middle School Reading and English Language Arts (RELA) supports the interconnected nature of listening, speaking, reading, writing, and thinking. Students consistently participate in activities that address the content specified in the grade 8 English Language Arts-Reading TEKS while providing students a foundation for college and career readiness. Eighth students will also refine and master previously learned knowledge and skills.		
Fee: None	English Requirement	

Reading/English Language Arts Honors		
Prerequisite(s): None	Grade Level	Course Length
	8 th	Year
Middle School Reading and English Language Arts supports the interconnected nature of listening, speaking, reading, writing, and thinking. Students consistently participate in activities that address the content specified in the grade 8 English Language Arts-Reading TEKS while providing students a foundation for college and career readiness. Advanced coursework includes significant reading and writing practice, critical thinking and analysis, inquiry, and peer collaboration and discussion. The course prepares students for entry into the high school honors and dual credit courses.		
Fee: None	English Requirement	

Mathematics		
Prerequisite(s): None	Grade Level	Course Length
	8 th	Year
Eighth grade on-level classes cover the 8th grade Texas Essential Knowledge and Skills. This course provides instruction in all mathematics strands with heavy emphasis on all aspects of real number operation, problem solving, and pre-algebra skills, such as foundations of functions.		
Fee: None	Mathematics Requirement	

Algebra I			
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8 th	Year
Covers the topics of real numbers: fundamental operation, factoring, exponents, solving equations, inequalities, functions, ratios, proportions, graphs and systems of equations. The use of graphing calculators is incorporated throughout to support the curriculum.			
Fee: None	1 HS Math Credit		

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Science		
Prerequisite(s): None	Grade Level	Course Length
	8 th	Year
This science course is an integrated science course that involves topics from life, earth, and physical science, with special emphasis on earth science. Laboratory and field investigations are designed to promote an understanding of basic concepts and theories through investigations and experimentation. Students make observations of interactions among systems and acquire data using scientific tools and their senses. The investigations performed emphasize accurate observations, collection of data, data analysis, and the safe manipulations of laboratory apparatus and materials in the field and in the laboratory.		
Fee: None	Science Requirement	

Social Studies		
Prerequisite(s): None	Grade Level	Course Length
	8 th	Year
This course surveys the history of the United States from exploration through Reconstruction. Students will study exploration and colonization, the struggle for independence, the creation of the new nation based on the Constitution, the Age of Jefferson, the Age of Jackson, westward expansion, early industrialization, the Civil War, and Reconstruction.		
Fee: None	Social Studies Requirement	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Middle School Electives

Physical Education		
Prerequisite(s): None	Grade Level	Course Length
	6th-8th	Year
Emphasizes the need to live a physically fit life. Includes fitness, stress, nutrition, consumerism, safety, life-style, quality of life, attitudes and development of a personal fitness program.		
Fee: None	PE Requirement	

Boys/Girls Athletics		
Prerequisite(s): Must be involved in team sports or coach recommendation	Grade Level	Course Length
	7th-8th	Year
A program designed to teach the skills necessary for competitive application of sport. Conditioning of body strength and agility is an integral part of this curriculum.		
Fee: None	PE Requirement	

Technology Applications		
Prerequisite(s): None	Grade Level	Course Length
	8th	Year
Technology applications incorporates the study of digital tools, devices, communication, and programming to empower students to apply current and emerging technologies in their careers, their education, and beyond.		
Fee: None	Tech Elective	

Keyboarding		
Prerequisite(s): None	Grade Level	Course Length
	6th	Year
This course develops keyboarding skills (using the touch method) and formatting skills (arrangement, placement, and spacing of common business documents) that all students need for personal applications as well as for success in the workplace.		
Fee: None	Tech Elective	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

STEM		
Prerequisite(s): None	Grade Level	Course Length
	6th-7th	Year
This course is an integrated Science, Technology, Engineering and Mathematics (STEM) course for middle school students. M/J STEM Environmental Science includes an integration of standards from science, mathematics, and english language arts (ELA) through the application to STEM problem solving using environmental sciences knowledge and science and engineering practices.		
Fee: None	Elective	

Teen Leadership		
Prerequisite(s): None	Grade Level	Course Length
	7th	Year
The purpose of the Student Leadership course provides students with specific skills to positively impact their lives and their communities. Areas to be addressed include leadership theory, group dynamics, project management, team building, conflict resolution, communication, SMART goal setting, and collaborative strategies.		
Fee: None	Elective	

Career and College Exploration		
Prerequisite(s): None	Grade Level	Course Length
	6th-8th	Year
This course is designed to guide students through the process of investigating and developing a college and career readiness flight plan. Students use aptitude and interest inventory assessments, software, or other tools available to explore college and career areas of personal interest. Students use this information to explore a variety of career paths, especially those in demand, and begin mapping their anticipated secondary coursework and potential postsecondary experiences that are in alignment with their goals.		
Fee: None	Elective	

Journalism		
Prerequisite(s): None	Grade Level	Course Length
	8th	Year
Instruction in this r class will focus on basic techniques of good journalistic style. Students will learn to write news stories, features, sports stories, and headlines. To be successful in this class, the students should have excellent writing skills. This course serves as an introductory course to Yearbook.		
Fee: None	Elective	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Band		
Prerequisite(s): Director Approval	Grade Level	Course Length
	6th-8th	Year
Opportunities to gain knowledge in instrumental technique, music, theory, music history, critical listening, creative listening, self-discipline, and citizenship through a variety of performance settings (i.e. marching band, concert band, small ensembles, and solo performance). The fall semester performances include parades, football games, UIL marching Contest, UIL Region Band Contest, and a Christmas concert. Spring semester performances consist of spring concert, UIL concert and Sight-reading evaluation, spring festival and community events.		
Fee: Fundraising opportunities available to cover fees.	Fine Arts Elective Fall Marching Band	

Art		
Prerequisite(s): None	Grade Level	Course Length
	8th	Year
Students will develop and express ideas with artwork utilizing the elements of art and principles of design as the backbone for their learning and discovery process. Projects will include design, drawing, painting, printmaking, sculpture, story, and book making. Students will be exposed to a high quality of media and techniques as well as acquire an appreciation for various cultures and styles through studies of historical/cultural aspects of art appreciation.		
Fee: None	Fine Arts Elective	

Health		
Prerequisite(s): None	Grade Level	Course Length
	8th	Year
The course begins with an intense development and review of character building, self-esteem, coping skills, decision-making and goal setting. Students will study self-responsibility related to drugs, alcohol, and tobacco including E-Cigarettes and Vaping; first aid and CPR; human growth and development; disease prevention; proper nutrition; and life stress skills.		
Fee: None	Elective	

Spanish I			
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8 th	Year
Introduction to the Spanish language, people, culture, history and geography with emphasis on the language skills, listening comprehension, speaking, reading and writing.			
Fee: None	Foreign Language Credit, Elective Credit		

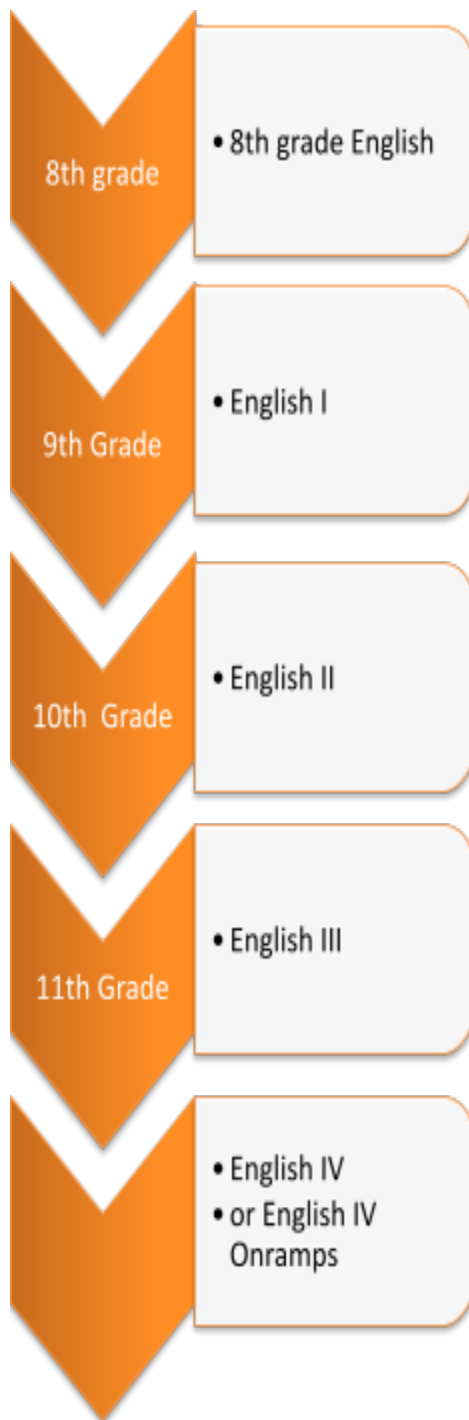
It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Principles of Agriculture, Food, and Natural Resources			
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8	Year
Principles of Agriculture, Food and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. Plus, students will learn about FFA and the opportunities the organization offers, how to professionally conduct a meeting, the basics of arc welding and carpentry, livestock production, and plant production. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge in agriculture.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry			

Introduction to Culinary			
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8	Year
This course will emphasize the principles of planning, organizing, staffing, directing and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant, food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Hospitality and Tourism)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

ENGLISH COURSE PLANS



It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

ENGLISH COURSE DESCRIPTIONS

English I			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	9 th	Year
Addresses word study, reading and writing using literary works with a focus on fiction, drama, poetry, and literary nonfiction, as well as incorporating informational and persuasive text to support the analysis and creation of text using literary elements and techniques. Various forms of literary works including classical, mythical, and traditional 20 th and 21 st century literature representing a range of diverse cultures and backgrounds provide the avenue for students to practice inferences, summarizing, synthesizing and providing textual evidence. Students examine literature and media to make important personal and world connections within and across different contexts and genres. Listening, speaking, reading, writing and research skills provide a foundation for college and career readiness.			
Fee: None		English Credit	

English I Honors			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	9 th	Year
This course is designed to challenge and enrich motivated college-bound students to expand their education beyond the typical secondary program. Independent reading is structured to support students' interaction with a text through the application of close reading analysis with AP reading strategies, leading to an ability to independently analyze any new text. Students are confronted with increasingly challenging texts, both classic and contemporary, fiction and nonfiction. Students are challenged by complex writing tasks in persuasion, argumentation, literary analysis, and synthesis in order to build capacity to write effectively in these modes.			
Fee: None		English Credit	

English II			4.0
Prerequisite(s): Successful completion of English I	Credit	Grade Level	Course Length
	1	10 th	Year
Emphasis on the skills of reading, writing, literature analysis, language usage, grammar, and research. Reading selections will include novels, plays, short stories and poetry.			
Fee: None		English Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

English II Honors			4.0
Prerequisite(s): Successful completion of English I	Credit	Grade Level	Course Length
	1	10th	Year
This course is designed to challenge and enrich motivated college-bound students to expand their education beyond the typical secondary program. This course will be taught at a college-preparatory level and pace appropriate to the grade level. Emphasis on the skills of reading, writing, literature analysis, language usage, grammar, and research. Reading selections will include novels, plays, short stories and poetry.			
Fee: None		English Credit	

English III			4.0
Prerequisite(s): Successful completion of English II	Credit	Grade Level	Course Length
	1	11th	Year
A thematic survey of religious, philosophical, and literary movements in American literature. Skills are developed in close reading and literary analysis, working (for various purposes-narrative, persuasive-and with clear focus/coherence classroom discussion and presentations), critical thinking, research techniques and preparation for standardized tests (including PSAT, SAT and ACT.)			
Fee: None		English Credit	

English III Honors			5.0
Prerequisite(s): Successful completion of English II	Credit	Grade Level	Course Length
	1	11th	Year
This course is designed to challenge and enrich motivated college-bound students to expand their education beyond the typical secondary program. This course will be taught at a college-preparatory level and pace appropriate to the grade level. Students will develop analytical reading skills and will apply these skills to genres from various time periods. Students will also develop writing skills, paying particular attention to form, style, substance, and mechanics. Success in this program requires student commitment to the rigorous expectations of the course.			
Fee: None		English Credit	

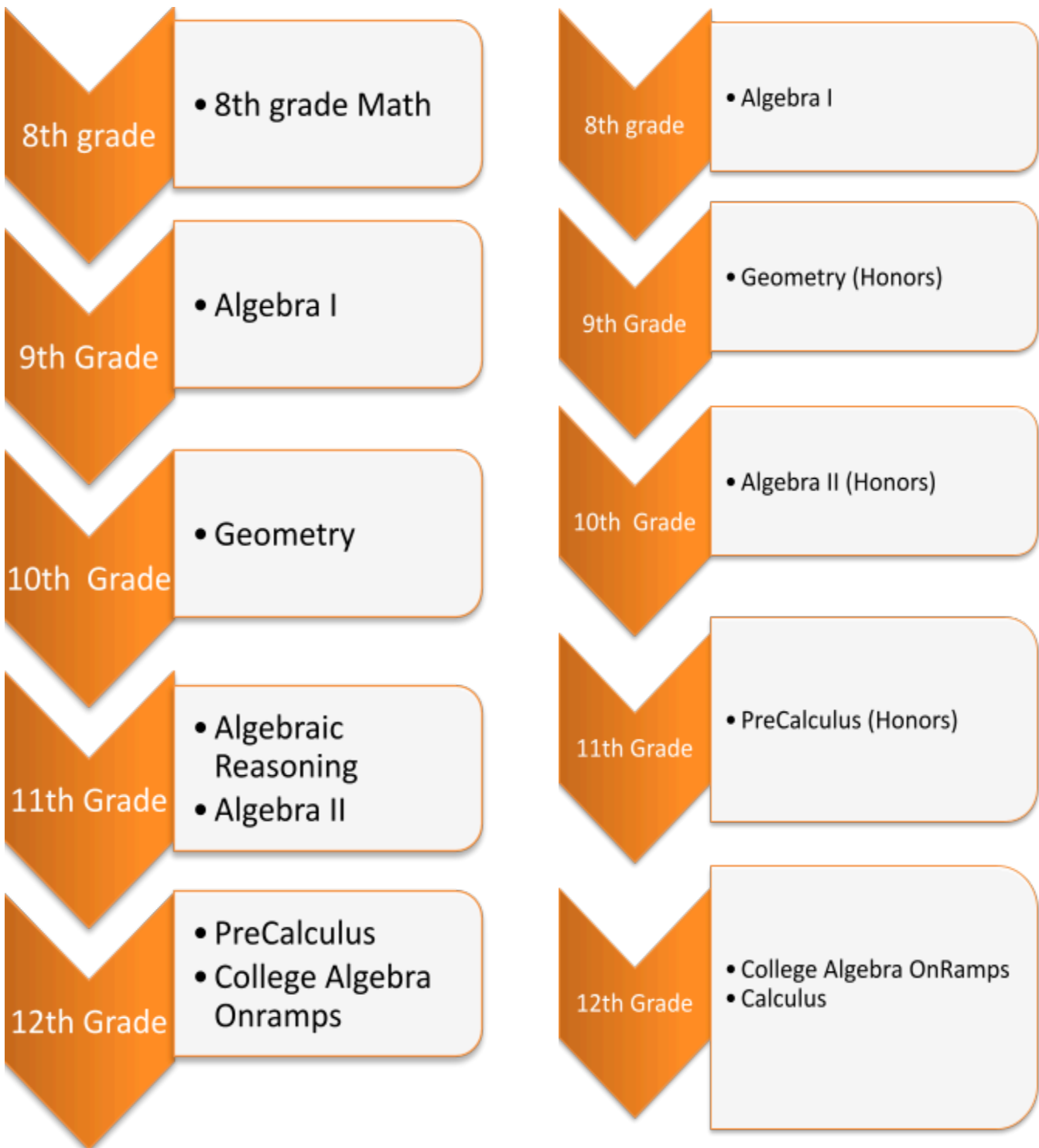
English IV			4.0
Prerequisite(s): Successful completion of English I, II, and III	Credit	Grade Level	Course Length
	1	12 th	Year
Chronological survey of political, religious, philosophical and literary movement in British literature from the Anglo-Saxons to the 20 th century. Exposure to major authors, works, and themes, focusing on literary analysis. Emphasis on reading, writing, language usage, literary devices, and research skills. The research paper is a major component. Preparations are made for the world beyond high school.			
Fee: None		English Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

English IV OnRamps through University of Texas - Austin COMPOSITION AND INTRODUCTION TO LITERATURE			6.0
Prerequisite(s): Successful completion of English I, II, and III	Credit	Grade Level	Course Length
	1 Credit 6 College Hours	12 th	Year
This is a UT OnRamps course where students can earn high school and college credit. Reading- and writing-intensive. Further develops the analytical, thinking, and research skills underlying academic success through the study of literature. The student's writing of genre-based essays, including researched papers, reinforces the thinking skills associated with interpretation, explication, evaluation, analysis, and synthesis.			
Fee: TBD		English Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

MATH COURSE PLANS



It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

MATHEMATICS COURSE DESCRIPTIONS

Algebra I			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	9 th	Year
Covers the topics of real numbers: fundamental operation, factoring, exponents, solving equations, inequalities, functions, ratios, proportions, graphs and systems of equations. The use of graphing calculators is incorporated throughout to support the curriculum.			
Fee: None		Math Credit	

Geometry			4.0
Prerequisite(s): Algebra I	Credit	Grade Level	Course Length
	1	9 th -10 th	Year
Introduction of basic geometric concepts including the study of points, lines, planes, angles, parallel lines, figures, polygons, the introduction to Trigonometry, 3-Dimensional and the proving of theorems.			
Fee: None		Math Credit	

Geometry Honors			4.0
Prerequisite(s): Algebra I	Credit	Grade Level	Course Length
	1	9 th -10 th	Year
Introduction of basic geometric concepts including the study of points, lines, planes, angles, parallel lines, figures, polygons, the introduction to Trigonometry, 3-Dimensional and the proving of theorems. The use of current technology as problem-solving and discovery tools will be integrated throughout the course whenever possible. This course is designed for self-motivated, math-oriented students.			
Fee: None		Math Credit	

Algebra II			4.0
Prerequisite(s): Algebra I, Geometry	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
Designed to prepare students for higher level math through study of equations, inequalities, and functions. Both algebraic and graphic methods are used in problem solving. Topics include: expressions, equations, inequalities, graphing of lines, factoring, radicals, logarithms and matrices. The use of graphing calculators is incorporated throughout to support the curriculum.			
Fee: None	Math Credit		
Notes: This course is required for students graduating with a STEM endorsement or with the Distinguished Level of Achievement under the FHSP.			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Algebra II Honors			4.0
Prerequisite(s): Algebra I, Geometry	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
Designed to prepare students for higher level math through study of equations, inequalities, and functions. Both algebraic and graphic methods are used in problem solving. Topics include: expressions, equations, inequalities, graphing of lines, factoring, radicals, logarithms and matrices. The use of graphing calculators is incorporated throughout to support the curriculum. The use of current technology as problem-solving and discovery tools will be integrated throughout the course whenever possible. This course is designed for the self-motivated, math-oriented student with a willingness to investigate mathematics.			
Fee: None	Math Credit		
Notes: This course is required for students graduating with a STEM endorsement or with the Distinguished Level of Achievement under the FHSP.			

PreCalculus- Honors			5.0
Prerequisite(s): Algebra 2	Credit	Grade Level	Course Length
	1	11 th -12 th	Year
Precalculus approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems.			
Fee: None	Math Credit		
Endorsement Area: STEM (Math)			

Algebraic Reasoning			4.0
Prerequisite(s): Algebra I	Credit	Grade Level	Course Length
	1	11 th -12 th	Year
In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions.			
Fee: None	Math Credit		

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

College Algebra OnRamps through University of Texas - Austin				6.0
Prerequisite(s): Algebra I and II and Geometry	Credit	Grade Level	Course Length	
	1 credit/ 6 college hours	11 th -12 th	Year	
In OnRamps College Algebra (Texas Core Curriculum Code 020, TCCN Code Math 1314), students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling.				
Fee: None			Math Credit	
Endorsement Area: STEM (Math)				

Calculus AB				6.0
Prerequisite(s): Algebra I and II,Geometry, and PreCalculus	Credit	Grade Level	Course Length	
	1 credit/ 3 college hours	12 th	Year	
AP Calculus AB is a college-level course covering such concepts as derivatives, integrals, limits, approximation, applications, and modeling. In the first semester, the student will begin by reviewing function notation, before exploring absolute value, piecewise, exponential, logarithmic, trigonometric, polynomial, and rational functions. After studying limits and continuity, the student will move on to concepts of derivatives, including the chain rule, differentiation, implicit differentiation, and logarithmic differentiation.				
Fee: None			Math Credit	
Endorsement Area: STEM (Math)				
Notes: Must meet College Readiness Measures				

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

SOCIAL STUDIES COURSE PLANS



It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

SOCIAL STUDIES COURSE DESCRIPTIONS

World Geography			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	9th	Year
Provides exploration of our world through investigation of physical and human geography. Students use geographic concepts to study specific nations and regions with an emphasis on understanding interactions between humans and their environment.			
Fee: None		Social Studies Credit	

World History			4.0
Prerequisite(s): World Geography	Credit	Grade Level	Course Length
	1	10 th	Year
Covers history and development of a variety of world cultures- past and present. Provides a basis for comparison of various ways of life and cultural patterns and an understanding of the manner in which these patterns occurred over time.			
Fee: None		Social Studies Credit	

United States History			4.0
Prerequisite(s): World Geography; World History	Credit	Grade Level	Course Length
	1	11 th	Year
Students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life.			
Fee: None		Social Studies Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

United States History OnRamps through University of Texas - Austin UNITED STATES HISTORY I			6.0
Prerequisite(s):none	Credit	Grade Level	Course Length
	1 6 college hours	11 th -12 th	1 year
This is a UT OnRamps course. Students can earn high school and college credit. A survey of United States History that begins with the migrations of people to the western hemisphere and continues through the Civil War and Reconstruction Period. The course focuses on the periods of discovery, colonization, revolution, and nation building. Material presented covers a wide variety of topics encompassing social, cultural, intellectual, military and political history.			
Fee: TBD		Social Studies Credit	

United States Government			4.0
Prerequisite(s): W. Geography, W. History, US History	Credit	Grade Level	Course Length
	0.5	12 th	Semester
Examines the organization, function and administration of our three branches and agencies of the National Government, including a survey of the Federal Constitution.			
Fee: None		Social Studies Credit	

Dual Government- Blinn				6.0
Prerequisite(s): W. Geography, W. History, US History *must meet college readiness standards	Credit	Grade Level	Course Length	
	0.5 3 college hours	12 th	Semester	
This course examines the foundations of the U.S. political system; the development, structure, and functions of the governmental systems at federal, state, and local levels; and an analysis of participation and decision making in civic affairs.				
Fee: TBD		Social Studies Credit		
Notes: Must meet College Readiness Measures				

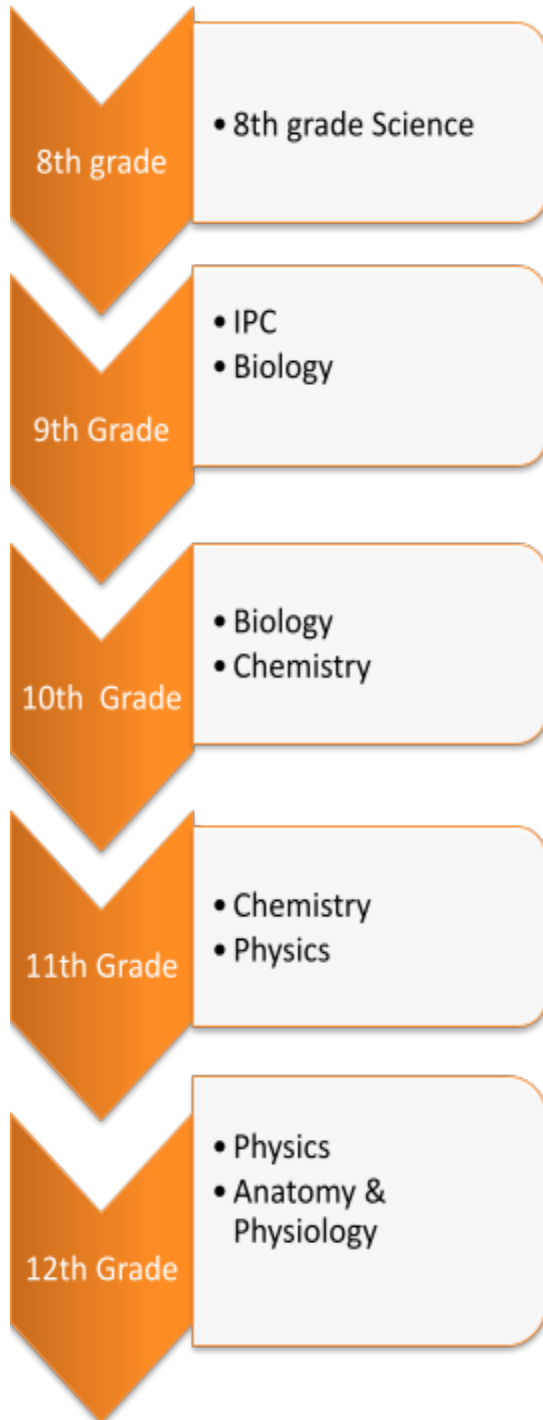
It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Economics			4.0
Prerequisite(s): W. Geography, W. History, US History	Credit	Grade Level	Course Length
	0.5	12 th	Semester
Provides a general understanding of the free enterprise system, government in the American economic system, international economic relations, consumer economics and income tax.			
Fee: None		Social Studies Credit	

Dual Economics- Blinn				6.0
Prerequisite(s): W. Geography, W. History, US History *must meet college readiness standards	Credit	Grade Level	Course Length	
	0.5 3 college hours	12 th	Semester	
This course covers the characteristics, benefits, and goals of the American free-enterprise system; government functions in the American economic system; comparisons of economic systems such as capitalism, socialism, and communism; and topics such as banking, budgeting, insurance, the stock market, and income tax.				
Fee: TBD		Social Studies Credit		
Notes: Must meet College Readiness Measures				

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

SCIENCE COURSE PLANS



It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

SCIENCE COURSE DESCRIPTIONS

Integrated Physics and Chemistry(IPC)			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	9 th – 10 th	Year
In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter			
Fee: None		Science Credit	

Biology I			4.0
Prerequisite(s): For incoming freshmen, must have taken Algebra I in 8th grade and passed Science.	Credit	Grade Level	Course Length
	1	9 th - 10 th	Year
Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment.			
Fee: None		Science Credit	

Chemistry I			4.0
Prerequisite(s): Biology, Algebra 1	Credit	Grade Level	Course Length
	1	10 th - 11 th	Year
Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.			
Fee: None		Science Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Physics			4.0
Prerequisite(s): Biology, Chemistry, Algebra II or concurrent enrollment	Credit	Grade Level	Course Length
	1	11 th - 12 th	Year
In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics.			
Fee: None	Science Credit		

Anatomy & Physiology of Human Systems			4.0
Prerequisite(s): Successful completion or co-enrollment in Physics	Credit	Grade Level	Course Length
	1	12 th	Year
In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems.			
Fee: None	Science/CTE Credit		
Endorsement Area: STEM (Science)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

ATHLETICS/PHYSICAL EDUCATION

COURSE DESCRIPTIONS

Physical Education			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	0.5-1	9 th -12 th	Semester
Emphasizes the need to live a physically fit life. Includes fitness, stress, nutrition, consumerism, safety, life-style, quality of life, attitudes and development of a personal fitness program.			
Fee: None	PE Credit, Elective Credit		

Girls Athletics I, II, III, IV			4.0
Prerequisite(s): Must be involved in team sports or coach recommendation	Credit	Grade Level	Course Length
	1	9 th -12 th	Year
A program designed to teach the skills necessary for competitive application of sport. Conditioning of body strength and agility is an integral part of this curriculum.			
Fee: None	PE Credit, Elective Credit		

Boys Athletics I, II, III, IV			4.0
Prerequisite(s): Must be involved in team sports or coach recommendation	Credit	Grade Level	Course Length
	1	9 th -12 th	Year
A program designed to teach the skills necessary for competitive application of sport. Conditioning of body strength and agility is an integral part of this curriculum.			
Fee: None	PE Credit, Elective Credit		

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

FINE ART COURSE DESCRIPTIONS

Band I, II, III, IV			4.0
Prerequisite(s): Director Approval	Credit	Grade Level	Course Length
	1	9 th -12 th	Year
Opportunities to gain knowledge in instrumental technique, music, theory, music history, critical listening, creative listening, self-discipline, and citizenship through a variety of performance settings (i.e. marching band, concert band, small ensembles, and solo performance). The fall semester performances include parades, football games, UIL marching Contest, UIL Region Band Contest, and a Christmas concert. Spring semester performances consist of spring concert, UIL concert and Sight-reading evaluation, spring festival and community events. One half credit P.E. waiver is granted for each fall semester for marching band. One half credit for fine arts is granted for spring semester. Student attendance is required for all performances and rehearsals, including after school. Summer marching band practice is also required. Band is a full year course. Both semesters are required.			
Fee: Fundraising opportunities available to cover fees.	Fine Arts Credit, Elective Credit Fall Marching Band – ½ PE credit per semester		
Endorsement Area: Arts & Humanities (Band)			

Art I, II, III, IV			4.0
Prerequisite(s): must complete one level before advancing to the next; teacher approval for Art II & III	Credit	Grade Level	Course Length
	1	9 th -12 th	Year
<p>Students will develop and express ideas with artwork utilizing the elements of art and principles of design as the backbone for their learning and discovery process. Projects will include design, drawing, painting, printmaking, sculpture, story, and book making. Students will be exposed to a high quality of media and techniques as well as acquire an appreciation for various cultures and styles through studies of historical/cultural aspects of art appreciation. Art specific vocabulary, geology, geography, and brainstorming are used frequently to enhance their learning process. Learning art critique skills is part of the process as well. Students will have the opportunity to work with the local community, and participate in local and state art contests.</p>			
Fee: None	Fine Arts Credit, Elective Credit		

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

FOREIGN LANGUAGE COURSE DESCRIPTION

Spanish I				4.0
Prerequisite(s): None	Credit	Grade Level	Course Length	
	1	8 th -12 th	Year	
Introduction to the Spanish language, people, culture, history and geography with emphasis on the language skills, listening comprehension, speaking, reading and writing.				
Fee: None		Foreign Language Credit, Elective Credit		

Spanish II				4.0
Prerequisite(s): Spanish I	Credit	Grade Level	Course Length	
	1	9 th -12 th	Year	
Further development of basic skills with an increase in reading and writing activities along with intense grammar. Culture, history and geography of Spanish speaking-countries are integrated into the curriculum.				
Fee: None		Foreign Language Credit, Elective Credit		

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

AGRICULTURE, FOOD & NATURAL RESOURCES

COURSE DESCRIPTION

Principles of Agriculture, Food, and Natural Resources			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8 th -12 th	Year
Principles of Agriculture, Food and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. Plus, students will learn about FFA and the opportunities the organization offers, how to professionally conduct a meeting, the basics of arc welding and carpentry, livestock production, and plant production. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge in agriculture.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry			

Small Animal Management			4.0
Prerequisite(s): Principles of Ag	Credit	Grade Level	Course Length
	1	9 th -12 th	Semester
To prepare students for careers in the field of animal science, this course offers the academic knowledge and skills they will need regarding animal systems, career opportunities, entry requirements, and industry expectations. To prepare for success, students will reinforce, apply, and transfer their academic knowledge and technical skills to a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Animal Science)			

Equine Science			4.0
Prerequisite(s): Principles of Ag	Credit	Grade Level	Course Length
	1	9 th -12 th	Semester
To prepare students for careers in the field of animal science, this course offers academic knowledge and skills, requirements, and industry expectations. To prepare for success, students will reinforce, apply, and transfer their academic knowledge and skills to a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules.			
Fee: None	CTECredit		
Endorsement Area: Business & Industry (Animal Science)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Livestock Production			4.0
Recommended Prerequisite(s):None	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Agriculture, Food & Natural Resources –Animal Science)			

Advanced Animal Science (coming 2025)			4.0
Recommended Prerequisite(s):Principles of Ag, Small Animal, Equine, Livestock Production	Credit	Grade Level	Course Length
	1	11 th -12 th	Year
To prepare students for careers in the field of animal science, this course offers the academic knowledge and skills they will need regarding animal systems, career opportunities, entry requirements, and industry standards. To prepare for success, students will reinforce, apply, and transfer their academic knowledge and technical skills to a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Animal Science)			

Agricultural Mechanics and Metal Technologies			4.0
Prerequisite(s): Principles of Ag	Credit	Grade Level	Course Length
	1	9 th -12 th	Year
To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Applied Agriculture Engineering)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Ag Structures Design and Fabrication			4.0
Prerequisite(s): Principles of Ag, Agricultural Mechanics & Metal Technologies	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Applied Agriculture Engineering)			

Ag Equipment Design and Fabrication with Lab			4.0
Prerequisite(s): Agricultural Structures Design and Fabrication	Credit	Grade Level	Course Length
	2	11 th -12 th	Year
Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Applied Agriculture Engineering)			

Practicum in Agriculture, Food, and Natural Resources			4.0
Prerequisite(s): Small Animal/Equine, Livestock Production, and Animal Science	Credit	Grade Level	Course Length
	2	12 th	Year
Practicum in Agriculture, Food , and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Animal Science)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Culinary Arts

Introduction to Culinary			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8 th -12 th	Year
This course will emphasize the principles of planning, organizing, staffing, directing and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant, food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Hospitality and Tourism)			

Restaurant Management			4.0
Prerequisite(s): Introduction to Culinary	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
This course provides students with a foundation to understand basic culinary skills and food service-restaurant management, along with current food service restaurant industry topics and standards. Building on prior instruction, this course provides introductory insight into critical thinking, financial analysis, industry technology, social media, customer awareness and leadership in the food service-restaurant industry. Students will gain an understanding of food service-restaurant operations and the importance of communicating effectively to diverse audiences, purposes and situations in food service-restaurant operations and management. Students will learn how the front of the house and the back of the house of management operate and collaborate and obtain value-added certifications in the industry to help launch themselves into restaurant/foodservice careers.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Hospitality and Tourism)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Culinary Arts			4.0
Prerequisite(s): Introduction to Culinary	Credit	Grade Level	Course Length
	2	10 th -12 th	Year
This course begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is a lab-based course.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Hospitality and Tourism)			

Advanced Culinary			4.0
Prerequisite(s): Culinary Arts	Credit	Grade Level	Course Length
	2	10-12th	Year
Advanced Culinary Arts II will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Hospitality and Tourism)			

Practicum of Culinary Arts			4.0
Prerequisite(s): Advanced Culinary Arts	Credit	Grade Level	Course Length
	2	12 th	Year
Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast- changing workplace.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Hospitality and Tourism)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Business Management

Principles of Business, Marketing, and Finance			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	8 th -12 th	Year
In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Business Management)			

Business Information Management I (BIM I)			4.0
Prerequisite(s): Principles of Business *recommended	Credit	Grade Level	Course Length
	1	8 ^h -12 th	Year
Students will implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.			
Fee: None	CTE Credit		
Endorsement Area: Business & Industry (Business Management)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Business Information Management II (BIM II)			4.0
Prerequisite(s): BIM I	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
Students will extend on their skills learned in BIM I and implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.			
Fee: None	CTECredit		
Endorsement Area: Business & Industry (Business Management)			

Business Practicum			4.0
Prerequisite(s): BIM II	Credit	Grade Level	Course Length
	2	11 th -12 th	Year
Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies.			
Fee: None	CTECredit		
Endorsement Area: Business & Industry (Business Management)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Education and Training

Principles of Education			4.0
Prerequisite(s): None	Credit	Grade Level	Course Length
	1	9 th -10 th	Year
In this course, students will use self-knowledge and educational and career information to analyze various job opportunities within the education and training career cluster. Students will also develop a graduation plan that leads to a specific career choice in the student's interest area.			
Fee: None	CTE Credit		
Endorsement Area: Education and Training (Public Service)			

Human Growth and Development			4.0
Prerequisite(s):Principles of Education	Credit	Grade Level	Course Length
	1	9 ^h -12 th	Year
This course is a study of human development across the lifespan, from childhood to adulthood. Emphasis is placed on topics such as: research, theory, development, and common social, emotional, physical, and learning stages.			
Fee: None	CTE Credit		
Endorsement Area: Education and Training (Public Service)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Instructional Practices			4.0
Prerequisite(s): Principles of Education and Human Growth and Development	Credit	Grade Level	Course Length
	2	11 th -12 th	Year
This course is a field-based internship providing students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.			
Fee: None	CTE Credit		
Endorsement Area: Education and Training (Public Service)			

Practicum in Education			4.0
Prerequisite(s): Principles of Education, Human Growth and Development, Education and Training	Credit	Grade Level	Course Length
	2	12 th	Year
Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, and other educational personnel.			
Fee: None	CTECredit		
Endorsement Area: Education and Training (Public Service)			

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Electives

Yearbook I, II, III, IV			4.0
Prerequisite(s): Teacher recommendation	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
Elements and processes of the magazine-type journalistic products through experience in yearbook production. Requires ability to assume responsibility and work independently. Intense work on computers using web design.			
Fee: None		Elective Credit	

Psychology			4.0
Prerequisite(s): World Geography, World History	Credit	Grade Level	Course Length
	.5	11 th -12 th	Semester
This course deals with humans as individuals and will explore human growth, development, and behavior. Students will be introduced to the relationship between psychological and biological observations; intellectual and emotional development; personality development; perception; normal and deviant behavior patterns; and stimulation and sensory awareness. Students will be required to complete various activities in research testing, observations, model constructions and presentations.			
Fee: None		Elective Credit	

Sociology			4.0
Prerequisite(s): World Geography, World History	Credit	Grade Level	Course Length
	.5	11 th -12 th	Semester
This course deals with humans in groups: families, nationalities, races, sexes, age groups, religions, work groups, school groups, club groups, economic groups, etc. These selected cultures are studied to help students understand their beliefs, morals, traditions, and folkways. What defines a group? How and why do people identify with groups? What are the rewards and liabilities of group membership? Students may be required to complete various projects.			
Fee: None		Elective Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Peer Tutoring I/II			4.0
Prerequisite(s): Teacher recommendation	Credit	Grade Level	Course Length
	1	10 th -12 th	Year
Peer Assistance for Students with Disabilities is designed to promote meaningful social inclusion and create accepting school environments. Students with disabilities are given a space to develop confidence, foster independence, and improve their social skills through their interactions with their non-disabled peers. Peer assistants obtain initial training in confidentiality, cueing, prompting, and positive reinforcement to be used with the students with special needs that they will be working with. With the guidance of their peer assistants, disabled students can discover new strengths and abilities that help them find joy and fulfillment. In this inclusive environment, students will create a relationship among age-appropriate peers of different abilities, both socially and academically, that will last long beyond the classroom time.			
Fee: None		Elective Credit	

Senior Seminar			4.0
Prerequisite(s): none	Credit	Grade Level	Course Length
	1	11 th -12 th	Semester
College Transition is designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners, both in high school and in college. Students examine numerous research based learning strategies that are proven to lead to academic success such as goal setting, effective time management, stress management, note taking, active reading, test-taking strategies, and research methods. In the College Transition course, students will research financial scholarships and grant opportunities, complete applications, and explore technical schools, colleges, and universities.			
Fee: None		Elective Credit	

Sports Medicine			
Prerequisite(s): none	Credit	Grade Level	Course Length
	1	9 th -12 th	Year
The purpose of the Sports Medicine I course is to allow high school students interested in the sports medicine health care professions to gain the introductory knowledge and concepts of the sports medicine and athletic training professions.			
Fee: None		Elective Credit	

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Programs of Study

Business and Industry Endorsement

PROGRAM OF STUDY	1ST COURSE	2ND COURSE	3RD COURSE	4TH COURSE
Agricultural Mechanics & Metal Technologies	Principles of Agriculture, Food, & Natural Resources (1 cr)	Agriculture Mechanics & Metal Technologies (1 cr)	Ag. Structures Design & Fabrication (1 cr)	Practicum in Ag. Mechanics (2 cr) OR Ag. Equip. Design & Fabrication (1 cr)
Animal Science	Principles of Agriculture, Food, & Natural Res. (1 cr)	Equine Science (.5 cr) AND Small Animal Mgmt. (.5 cr)	Livestock Production (1 cr)	Advanced Animal Science (1 cr)
Business Management	Principles of Business, Marketing, & Finance (1 cr)	Business Information Management I (1 cr)	Business Information Management I or Business Management (1 cr)	Practicum in Entrepreneurship (2 cr)
Culinary Arts	Introduction to Culinary	Restaurant Management (1 cr)	Culinary Arts (2 cr)	Advanced Culinary or Practicum in Culinary (2 cr)

Public Service Endorsement

Education & Training	Principles of Education & Training (1 cr)	Human Growth & Development (1 cr)	Instructional Practices (2 cr)	Practicum in Education and Training (2 cr)
----------------------	---	-----------------------------------	--------------------------------	--

Visual and Performing Arts

Band	Band I, II, III, IV	Band I, II, III, IV	Band I, II, III, IV	Band I, II, III, IV
Visual Art	Art I	Art II	Art III	Art IV

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

Endorsements

A student may earn an endorsement by successfully completing:

- Curriculum requirements for the endorsement (Foundation High School Program and the required series of courses)
- A total of four credits in mathematics
- A total of four credits in science
- Two additional elective credits

The STEM Endorsement

This endorsement focuses mainly on the STEM career cluster and is recommended for students interested in going into a science, technology, engineering, or mathematics related career. The STEM endorsement is attained by completing a coherent sequence, or series of courses, from one of the following:

- CTE courses with a final course from the STEM career cluster
- Computer science
- Mathematics
- Science
- A combination of no more than two of the categories listed above

The Business and Industry Endorsement

The Business and Industry endorsement is designed to help students focus on courses related to a student's interests in the business field as a career. If a student is interested in becoming an architect, project manager, financial advisor, or information technology specialist, this may be an appropriate endorsement for them to pursue. The Business and Industry endorsement is attained by completing a coherent sequence, or series of courses, selected from one of the following:

- CTE courses with a final course from the Agriculture, Food, and Natural Resources; Business Management and Administration; Finance; or Hospitality and Tourism career clusters

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.

The Public Service Endorsement

This endorsement prepares students to work directly with people in a public service capacity in fields such as education and government. The Public Service endorsement can be earned by completing a coherent sequence, or series of courses, selected from one of the following:

- CTE courses with a final course from the Education and Training; Government and Public Administration; Health Science; Human Services; or Law, Public Safety, Corrections, and Security career clusters
- Junior Reserve Officer Training Corps (JROTC)

The Arts and Humanities Endorsement

The Arts and Humanities endorsement is an endorsement that allows students to focus on courses directly related to fine arts, English literature, foreign languages, and social studies. This would be appropriate for students who are interested in a career in the entertainment industry. The Arts and Humanities endorsement can be attained by completing a coherent sequence, or series of courses, selected from one of the following:

- Social studies
- Four levels of the same language other than English
- Two levels each of two languages other than English
- Courses from one or two categories (art, dance, music, and theater) in fine arts

The Multidisciplinary Endorsement

This endorsement supports occupations that are multidisciplinary in nature but is also recommended for students who are unsure of their career path. The Multidisciplinary Studies Endorsement can be earned by completing a coherent sequence, or series of courses, selected from the following:

- Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence
- Four credits in each of the four foundation subject areas, to include English IV and chemistry and/or physics
- Four credits in dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts

TEXAS ONCOURSE.ORG

It is the policy of SOMERVILLE INDEPENDENT SCHOOL DISTRICT not to discriminate on the basis of race, color, religion, sex, national origin, age, disability, military status, or any other basis prohibited by law in providing education services.