



MAINE SOUTH HIGH SCHOOL

CLASS OF 2024

Course Selection Guide

Maine South High School Freshman Course Selection Guide



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Evening Agenda:	<p>Group 1 Auditorium 6:00-6:45pm Welcome, Elective Offering Overview 6:45-8:00pm Electives Fair, Special Sessions</p> <p>Group 2 Auditorium 7:15-8:00pm Welcome, Elective Offering Overview 8:00-9:15pm Electives Fair, Special Sessions</p> <p>Special Sessions (come and go as you please) Summer School (C140) 7:30, 7:45, 8:00, 8:15, 8:30, 8:45, 9:00</p> <p>Special Education (C108) 7:45, 8:15, 8:45, 9:00</p> <p>Integrated Career/College Services (C134) 7:30, 7:45, 8:00, 8:15, 8:30, 8:45, 9:00</p>

Points of Interest:

1. Auditorium
2. Department Chairs for Math, Science, English, Social Science
3. World Language Teachers
4. CTE classrooms
5. Fine arts classrooms
6. SPED session- C108
7. Integrated Career/College Services- C134
8. Summer School - C140
9. Bookstore



Department	Career and Technology Education (CTE)
Department Chair	Patrick Fonsino 847-692-8099 pfonsino@maine207.org @fonztech
Course Descriptions	<p>Applied Technology</p> <p>Computer Aided Design (CAD) 6350 1.0 credit Designed for students who wish to be involved with the architectural design field and for those interested in computer aided drafting. Students will be introduced to both traditional and computer aided drafting skills. The aim of CAD 1 is to introduce beginning students to basic information, skills, and concepts related to drafting and design. Special attention is given to: sketching, measurement, room planning, multiview drawings, auxiliary views, working drawings, sectional views, orthographic drawings along with AutoCAD tools and commands. Current and future trends in the architectural field will be examined. This course carries a dual credit option with Oakton Community College.</p> <p>Introduction to Engineering Design (IED) 6930 1.0 credit This is the first course in the Project Lead the Way program which is a sequence of courses designed to prepare students to be successful in science, engineering and engineering technology. The course introduces students to the scope, rigor and discipline of engineering prior to entering a postsecondary institution. Students use a problem-solving model to improve existing products and invent new ones. Using Inventor (3D modeling software), students create 3D representations of their designs. Emphasis is placed on analyzing potential solutions and communicating ideas to others. This course carries a dual credit option with Oakton Community College.</p> <p>Business and Technology</p> <p>Introduction to Business 5300 1.0 credit Students will gain a better understanding of the economic resources used in producing goods and services in a global economy. Marketing, entrepreneurship, and financial systems will be taught to enhance students' knowledge of successful business operations. This course is suggested for students planning to take other business course offerings. This course may be taken to fulfill the Consumer Education graduation requirement.</p> <p>Computer Programming 5740 .5 credit Introduces students to the fundamental concepts of programming. These include designing, planning, coding, and debugging of computer projects including games, simulations and apps for Android devices. The course will introduce and use several educational programming platforms to teach computer programming skills. This course is designed for students with no prior programming experience</p> <p>Digital Marketing 5810 .5 credit Students will develop capabilities in designing, implementing, and evaluating digital marketing strategies. Through hands-on projects, students will experience the new reality of marketing in the digital world. Learn how to reach and market customers in the digital platform and social media.</p>

Robotics | 5390 | .5 credit

Students will be utilizing VEX IQ, RobotC or EasyC software. The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of a robot. Students will work hands-on to build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems.

Graphic Arts | 6720 | 1.0 credit

Designed for students who wish to learn about two dimensional graphic design. Students will learn the basic principles of design, two dimensional graphic design execution, page layout and printing along with information in post-secondary options and career opportunities in this field.

Family Consumer Sciences**Culinary 1 | 6110 | 1.0 credit**

Introduces the skills and knowledge needed to become a competent cook and select the right foods for healthy living. Students will learn to interpret a recipe, measure ingredients correctly and create safe and sanitary working situations. They will develop skills in planning, teamwork, and time management in lab situations, demonstrate proper use and care of equipment, develop ability to select products and understand the principles of nutrition. Students will also hone their ability to critique the food they create.

Fashion 1 | 6250 | 1.0 credit

Designed to provide students with the basic skills and opportunities for creativity in pattern and fabric selection and their use; the ability to use equipment and to operate a sewing machine; the techniques of simple pattern alteration and construction of garments; and the opportunity to explore various aspects of fashion.

Early Child Development | 6200 | 1 credit

Early Childhood Development is a course designed for students who are planning to pursue any occupation related to children or the healthcare field. This course provides information about conception, pregnancy and the delivery of a baby. Other topics include growth and development of infants and young children up to age three. Emphasis is placed on parental roles, responsibilities, and guiding techniques for disciplining children. This course also increases awareness of job opportunities in childcare and healthcare careers. Students will have the opportunity to earn Level 1 ECE credit. This course is recommended for Child Care Occupations/Preschool and Healthcare.

Flow Chart	Applied Technology
	<p style="text-align: center;">Maine South Applied Technology Flow Chart 2020-2021</p> <p>The course sequence is a recommended pathway. Students may enter or exit the path at anytime. Only a prerequisite determines the next course.</p> <p style="text-align: right;">*Dual Credit with Oakton and accelerated credit **Industry Certification</p> <pre> graph LR A1{Architecture and Civil Engineering} --> B1[*Computer Aid Design (CAD)] B1 --> C1[*PLTW Civil Engineering and Architecture] C1 --> D1[*Engineering and Design Capstone] D1 --> E1[Internship] A2{Manufacturing and Mechanical Engineering} --> B2[*PLTW Intro to Engineering and Design] B2 --> C2[*PLTW Digital Electronics] C2 --> D2[*Engineering and Design Capstone] D2 --> E2[Internship] C2 --> F1[Personal Auto (Sem)] C2 --> F2[Robotics (Sem)] D2 --> F3[*Aviation and Aerospace Technology] </pre>
Flow Chart	Business
	<p style="text-align: center;">Maine South Business Courses 2020-2021</p> <p style="text-align: right;">*Dual Credit with Oakton</p> <p>Strongly recommend Intro for sophomores hopping into the business pathway</p> <p>The course sequence is a recommended pathway. Students may enter or exit the path at anytime. Only a prerequisite determines the next course.</p> <pre> graph LR A1{Accounting / Finance} --> B1[Intro to Business] B1 --> C1[Marketing (sem) / Finance and Investing (sem)] C1 --> D1[Accounting 1] D1 --> E1[*College Accounting] A2{General Business} --> B2[Intro to Business] B2 --> C2[Marketing (sem) / Finance and Investing (sem)] C2 --> D2[Accounting 1] D2 --> E2[*Entrepreneurship] A3{Marketing / Advertising} --> B3[Intro to Business] B3 --> C3[Marketing (sem) / Digital Marketing (sem)] C3 --> D3[Graphics] D3 --> E3[*Entrepreneurship or **Advanced Graphics] </pre> <p style="text-align: center;">Internship is an option as a capstone in place of or in addition to the courses listed for Grade 12 in all strands.</p>

Flow Chart	Technology
	<p>Maine South Technology Courses 2020 - 2021</p> <p>The course sequence is a recommended pathway. Students may enter or exit the path at anytime. Only a prerequisite determines the next course.</p> <p style="text-align: right;">*Dual Credit with Oakton **Industry Certification</p> <pre> graph LR subgraph Pathway1 [Information Technology Network Support Specialist / Computer Security] C1[Computer Programming (sem)] --> CS1[Robotics (sem)] CS1 --> CS2[Computer Science Principles] CS2 --> CS3[AP Computer Science Principles] CS3 --> I1[Internship] end subgraph Pathway2 [Computer Science] C2[Computer Programming (sem)] --> CS2_2[Robotics (sem)] CS2_2 --> CS2_3[AP Computer Science Principles] CS2_3 --> CS2_4[AP Computer Science] CS2_4 --> I2[Internship] end subgraph Pathway3 [Graphic Designer] GA1[Graphic Arts 1] --> AG[**Advanced Graphics] AG --> CP[Computer Programming (sem)] CP --> DM[Digital Marketing] DM --> E[*Entrepreneurship] end </pre>
Flow Chart	Family and Consumer Sciences
	<p>Maine South Family Consumer Science Courses 2020-2021</p> <p>The course sequence is a recommended pathway. Students may enter or exit the path at anytime. Only a prerequisite determines the next course.</p> <p style="text-align: right;">*Dual Credit with Oakton **Industry Certification *** Travel to East / West</p> <pre> graph LR subgraph Pathway1 [Hospitality] C1[Culinary 1] --> B[*Baking and Pastry] B --> G[Gourmet (sem)] G --> I1[Internship] end subgraph Pathway2 [Education] EC1[** Early Child Development] --> PR1[Personality and Relationships] PR1 --> T[Intro to Teaching (sem) &/or Preschool Practicum] T --> P[Preschool Practicum or Internship / Work Program] end subgraph Pathway3 [Health and Human Services] EC2[** Early Child Development] --> PR2[Personality and Relationships] PR2 --> HC[Health Care Careers (sem) &/or *Medical Terminology (sem)] HC --> I2[Internship (sem) &/or *CNA ***] I2 --> C[*cosmetology **] end subgraph Pathway4 [Fashion] F1[Fashion 1] --> F2[Fashion 2 or *Fashion Merchandising (sem)] F2 --> F3[Fashion 3] F3 --> F4[Fashion 4 or *Entrepreneurship or Marketing] end </pre>

Department	Fine Arts
Department Chair	Teralyn Keith 847-692-8239 tkeith@maine207.org @TeralynKeith
Course Descriptions	<p>Visual Arts</p> <p>Art Foundations 5070 0.5 credit Art Foundations is a one semester course for students pursuing an interest in drawing and painting. Students study the elements and principles of design: line, shape, form, value, texture, color, and space. In addition, students will learn a variety of skills and techniques to create their own art in areas such as drawing, painting, and 2-D design. Materials may include waterbase paints, acrylics, oil pastels, assorted papers, inks, and pencils. Students concentrate on skills in drawing and painting, acquire effective techniques in the use of artists' materials, develop their imagination to produce original works of art, and discover the world of art appreciation. This course is offered in both Semester 1 and Semester 2 and should be followed by Art Applications.</p> <p>Art Applications 5090 0.5 credit Art Applications is a one semester art course intended to follow Art Foundations. Students will put their acquired knowledge of the elements and principles of design into practice. Students will create their own expansive works of art in areas such as drawing, painting, 2-D and 3-D design. Materials may include water base paints, acrylics, oil pastels, assorted papers, inks, pencils, and clay. Students will focus on creating artistic projects, acquiring compositional skills in the use of artists' materials, developing their imagination to produce original works of art, and contributing to the world of art appreciation.</p> <p>Design & Materials 1 5150 1.0 credit Focuses on the aesthetics of art and the functionality of design. Students learn design and composition skills, then apply them to a variety of media include clay, glass, relief printmaking and two/three dimensional designs. Major emphasis is placed on originality and craftsmanship toward projects, which may be both decorative and functional. Design & Materials 1 broadens a student's appreciation of the arts and crafts as it heightens their awareness of their own creative abilities.</p> <p>Photo 1 5170 1.0 credit Teaches students not only how to use a camera, but also how to express themselves visually on assignments in their neighborhoods, the school campus, and the photography studio. They will also use the school darkrooms to process film, enlarge and develop prints. Major study areas include: introduction to photographic vision, the use of the camera as a tool, basic developing and printing, studio portraits, landscape, cityscape, motion, multiple imagery, point of view, texture and depth of field. <i>Students must have access to a 35mm camera.</i></p> <p>Digital Imaging 5040 1.0 credit Digital Imaging is a class designed to explore creative art making through the use of Adobe Photoshop software and computer technology. This course provides a comprehensive computer art exposure specializing in various digital art concepts and techniques. Electronic photo imaging, digital still life, and electronic drawing are studied during the first semester. Students continuing this course for a second semester will enhance their mastery beyond first semester skills and techniques. Areas such as animation/video and landscape 3D design are explored. The course is repeatable and may be taken for the whole year.</p>

Music *(Rental instruments available)*

Concert Band | 7420 | 1.0 credit

for students who have demonstrated the ability to meet the performance requirements. Experiences include daily class rehearsals with marching and concert band. *All incoming freshmen with previous band experience.*

Percussion Techniques | 7460 | 1.0 credit

for all students who play percussion instruments.

Glee | 7660 | 1.0 credit

Vocal development and part singing is emphasized as well as basic note and rhythm reading. Students receive the training necessary for participation in advanced choral groups. *Intended for all female freshmen.*

Mixed Chorus | 7610 | 1.0 credit

Vocal development and part singing is emphasized as well as basic note and rhythm reading. They receive the training necessary for participation in advanced choral groups. *Intended for all male freshmen.*

Beginning Orchestra | 7470 | 1.0 credit

Intended for students who would like to learn violin, viola, cello or string bass.

String Orchestra | 7480 | 1.0 credit

This course is an ensemble for all incoming freshmen with previous orchestral experience. Students will perform and explore a variety of musical genres while developing and refining technical/musical skills essential for entry into Concert and Symphony Orchestra. Freshmen members of String Orchestra will have the option of auditioning in the fall for our most advanced ensemble, Chamber Orchestra.

Guitar 1 | 7060 | 1.0 credit

Beginning students learn the fundamental techniques of the instrument, and more experienced players develop and improve their skills. In doing so, students will be able to apply what they have learned to classical, folk, rock and pop guitar styles. *No previous musical experience is required/Rental instruments available.*

Piano 1 | 7050 | 1.0 credit

This course is designed for students interested in learning to play or advance their performance skills. Students prepare a variety of compositions for study and performance. *No previous musical experience is required.*

iDigital Audio & Music Production | 0.5 credit

iDigital Audio and Music Production is a Chromebook apps based course that allows students to create audio recordings to produce a piece of music, create loops, understand the properties of sound and how they are represented in the digital domain. Students will understand basic audio specifications used in product descriptions and use them to choose audio tools that will best match creative needs, recognize how audio signals move within a digital mixer and use internet services for distribution and collaboration.

Extra-Curricular Options: *Jazz Band, Stage Band, Vocal Jazz, Hawkapellas, Decibelles, Chamber Orchestra, Pit Orchestra*

Drama/Broadcasting

Broadcasting | 0710 | 1.0 credit

Broadcasting is a course providing hands-on experiences for those students interested in aspects of radio and television. Students will obtain skills necessary for taking part in real programs aired on our own radio station, WMTH-FM, as well as designing/creating various aspects of running television shows. Students are trained in the operation of all radio and television equipment and explore the duties of radio and television personnel, including announcers, technicians and producers. In our broadcast-quality studios and state-of-the-art labs, students will work hands-on to create various types of radio and television programs, including music videos, interview shows, news programs, commercials, and public service announcements. Facilities and equipment are provided to Broadcasting students and remain current, as the media industry continues to evolve. After successful completion of Broadcasting, students may continue to develop their skills in Advanced Television and Film Production. Students who complete Broadcasting will have satisfied the Communication Arts requirements for graduation.

Drama 1 | 0500 | 1.0 credit

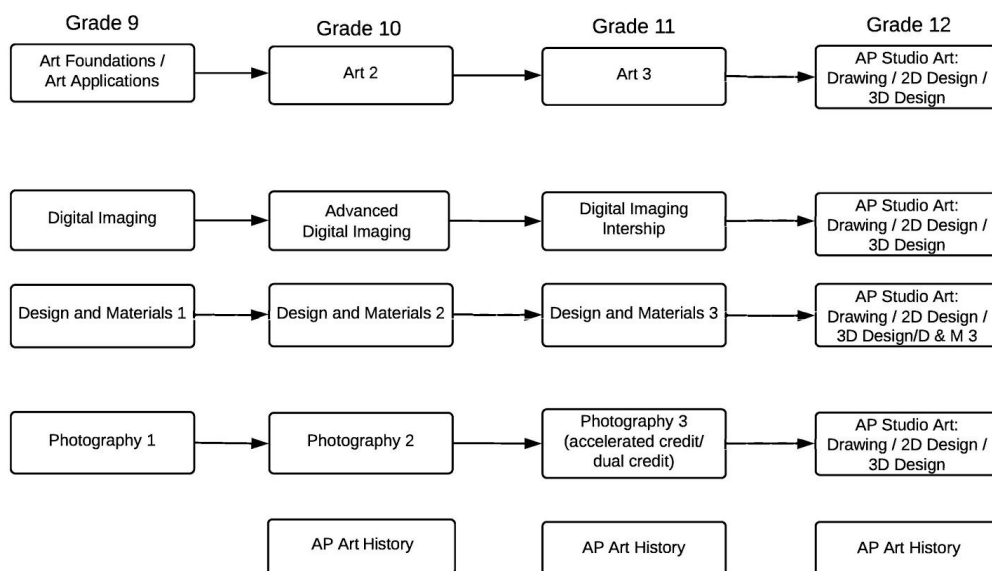
Drama 1 develops acting skills through a series of activities, such as, theatre games, improvisation, pantomime, monologues, and scenes. Students study theatre from the point of view of both performer and audience member. Drama 1 students also develop vocal, physical, and emotional control, as well as analytical, creative, and ensemble-building skills. Students who complete Drama 1 will have satisfied the Communication Arts requirement for graduation.

Technical Theatre | 0550 | 1.0 credit

Working on a variety of group and individual projects in the areas of set design and construction, theatrical makeup, costuming, scene painting, stage lighting and sound, students experience the behind the curtain workings of putting on a show. One semester/one credit, may be repeated.

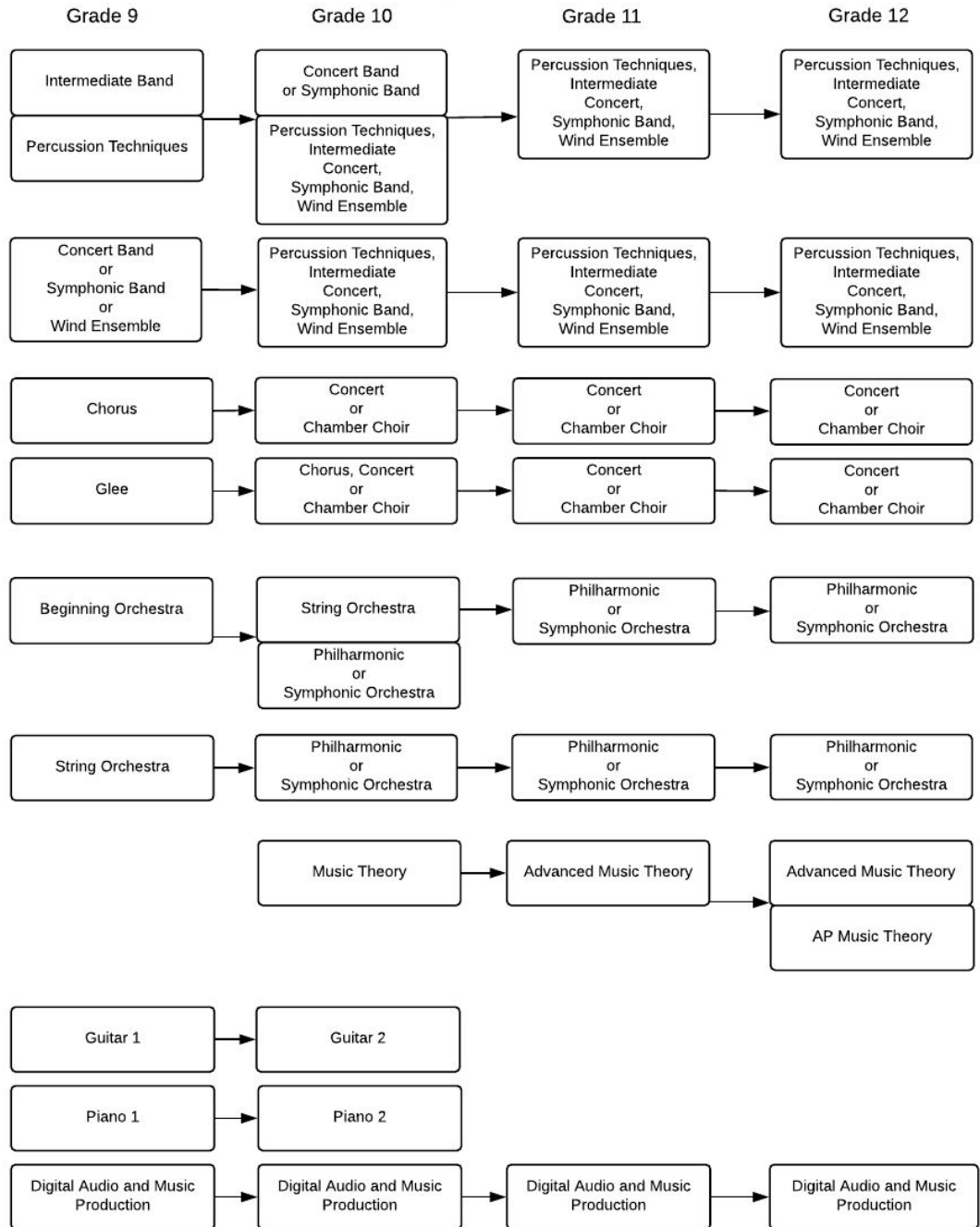
Extra-Curricular Options: *Plays (fall & winter), V-Show, Musical, Theatre Tech Crews, WMTH Radio & TV, Thespians*

Maine South Visual Arts Courses 2020-2021

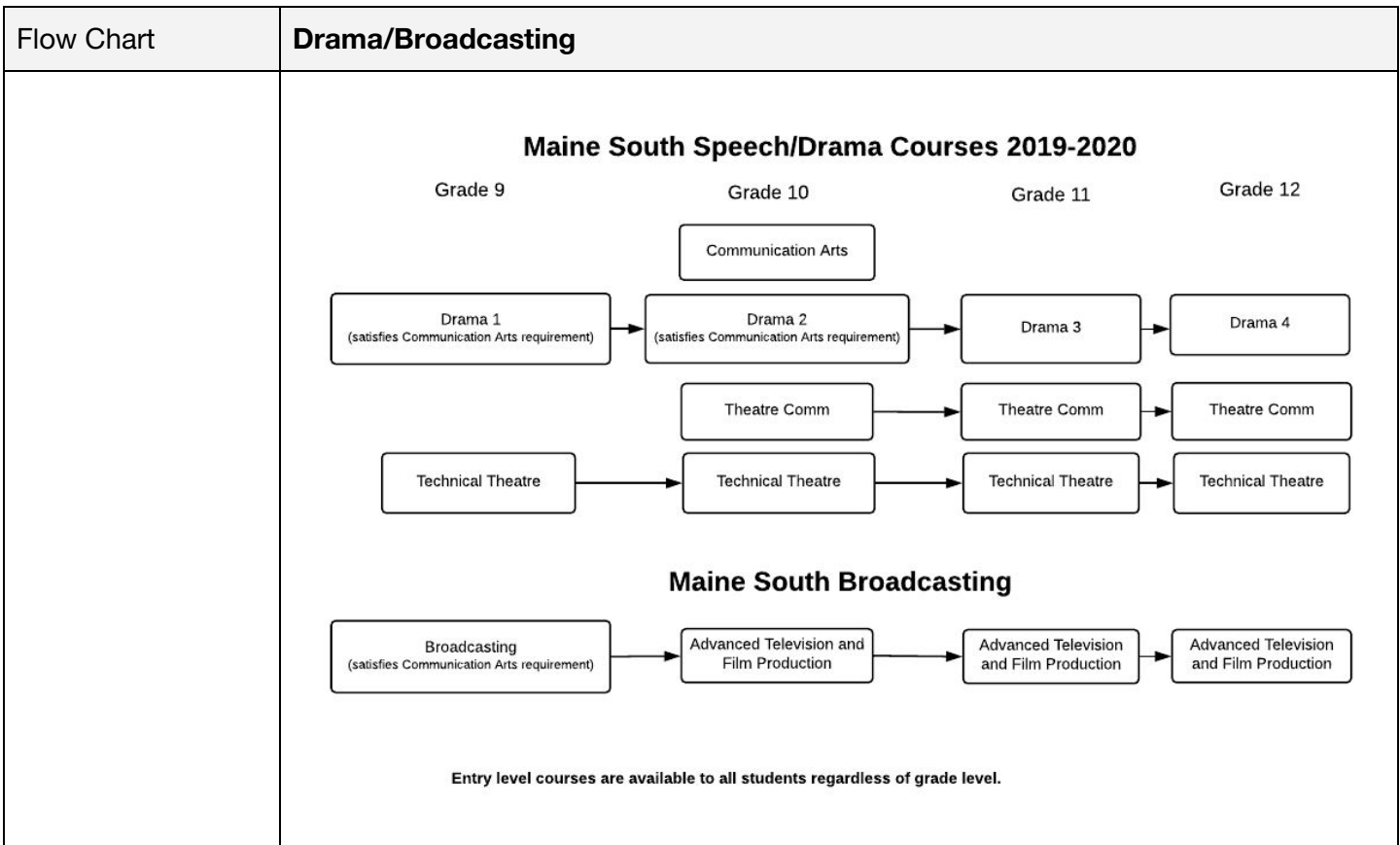


Entry level courses are available to all students regardless of grade level.

Maine South Music Department Courses 2019-2020



- Entry level courses are available to all students regardless of grade level. For information, call the Music Department.
- Placement in band and orchestra classes is reviewed on an annual basis



Department	World Languages
Department Chair	Tona Costello 847-692-8134 tcostello@maine207.org
Course Description	<p>Foreign Language in Elementary Schools Maine South receives students with prior foreign language training at the junior high level in French, German and Spanish. Students are placed in the second year, second year accelerated or repeat first year according to the recommendation of their 8th grade foreign language teacher.</p> <p>French 1 4210, German 1 4310, Italian 1 4410, Mandarin Chinese 1 4970, Spanish 1 4710 1.0 credit <i>No prerequisite. (Accelerated placement will be determined by the teacher after first semester.)</i> In the first year of a foreign language, students become familiar with the sounds of the language, its basic vocabulary, and the most common structures. They study the cultures, countries, and the lifestyles of the people who speak the language.</p> <p>French 2 4220, German 2 4320, Spanish 2 4720, 1.0 credit <i>Prerequisite: Successful completion of first year language.</i> In the second year of a foreign language, students improve their ability to understand and speak as well as read and write. They broaden their knowledge and understanding of the people whose language they are studying.</p> <p>French 2 Acc 4225, German 2 Acc 4325, Spanish 2 Acc 4725 1.0 credit <i>Prerequisite: Successful completion of first year language. Accelerated placement will be determined by either the 8th grade teacher or the teacher of the level 1 high school course.</i> In the second year of a foreign language, students improve their ability to understand and speak as well as read and write. They broaden their knowledge and understanding of the people whose language they are studying. In the accelerated program the materials of the regular course are enriched by a more intensive study of language structure and by more diversified reading.</p> <p><i>Accelerated credit is available at every grade level. Students may take the Advanced Placement Exam at the fourth and/or fifth level depending on which language is studied.</i></p>

Flow Chart	World Languages																								
	<div><p style="text-align: center;">Maine South World Languages Department Courses 2020 - 2021</p><table><thead><tr><th>Grade 9</th><th>Grade 10</th><th>Grade 11</th><th>Grade 12</th></tr></thead><tbody><tr><td>*French 1</td><td>French 2</td><td>French 3</td><td>French 4 French 5 AP French Language</td></tr><tr><td>*German 1</td><td>German 2</td><td>German 3</td><td>German 4 German 5 AP German Language</td></tr><tr><td>*Italian 1</td><td>Italian 2</td><td>Italian 3</td><td>Italian 4 Italian 5 AP Italian Language</td></tr><tr><td>*Mandarin Chinese 1</td><td>Mandarin Chinese 2</td><td>Mandarin Chinese 3</td><td>Mandarin Chinese 4 Mandarin Chinese 5 AP Mandarin Chinese Language</td></tr><tr><td>*Spanish 1</td><td>Spanish 2</td><td>Spanish 3</td><td>Spanish 4 Spanish 5 AP Spanish Language</td></tr></tbody></table><p>*Entry level courses are available to all students regardless of grade level.</p></div>	Grade 9	Grade 10	Grade 11	Grade 12	*French 1	French 2	French 3	French 4 French 5 AP French Language	*German 1	German 2	German 3	German 4 German 5 AP German Language	*Italian 1	Italian 2	Italian 3	Italian 4 Italian 5 AP Italian Language	*Mandarin Chinese 1	Mandarin Chinese 2	Mandarin Chinese 3	Mandarin Chinese 4 Mandarin Chinese 5 AP Mandarin Chinese Language	*Spanish 1	Spanish 2	Spanish 3	Spanish 4 Spanish 5 AP Spanish Language
Grade 9	Grade 10	Grade 11	Grade 12																						
*French 1	French 2	French 3	French 4 French 5 AP French Language																						
*German 1	German 2	German 3	German 4 German 5 AP German Language																						
*Italian 1	Italian 2	Italian 3	Italian 4 Italian 5 AP Italian Language																						
*Mandarin Chinese 1	Mandarin Chinese 2	Mandarin Chinese 3	Mandarin Chinese 4 Mandarin Chinese 5 AP Mandarin Chinese Language																						
*Spanish 1	Spanish 2	Spanish 3	Spanish 4 Spanish 5 AP Spanish Language																						

Department	Mathematics
Department Chair	Dawn Bodden 847-692-8155 dbodden@maine207.org

Incoming Freshman Math Placement Timeline 2019-20

Students in 8th grade Pre-Algebra...

Fall 2019	January 2020	Winter/Spring 2020	Early May 2020	Late May 2020
Fall MAP Testing at home school	Counselors meet with incoming freshman students and parents. Students will be placed in Math 1 and may be placed in Foundations of Problem Solving (in addition to Math 1) based on Fall MAP scores.	Winter/Spring MAP Testing at home school	Student course list mailed home with initial math placement.	Students registered for both Math 1 and Foundations of Problem Solving will be reevaluated based on Winter and Spring MAP scores. Parents will be contacted if any adjustments are needed.

Students in 8th Math 1...

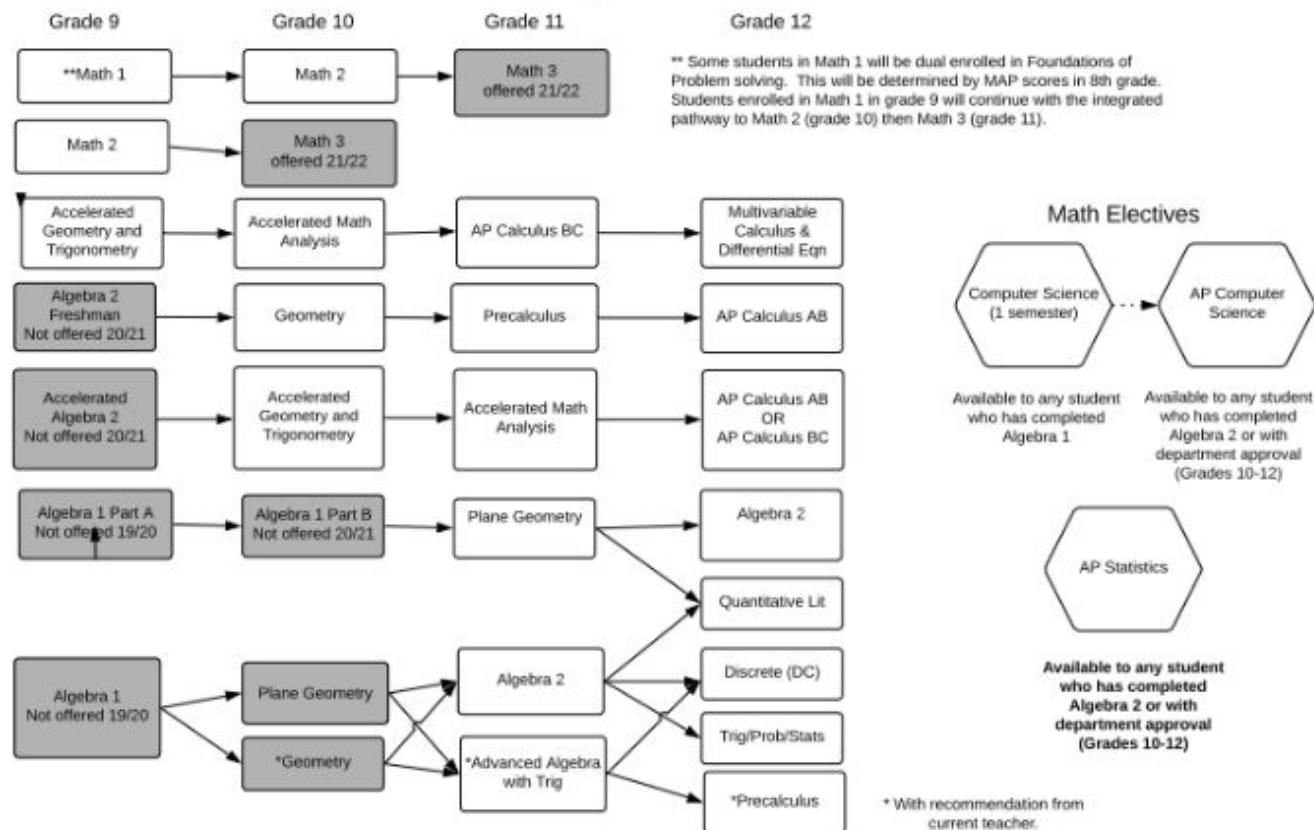
Fall 2019	December 2019	January 2020	March 2020	May 2020
Fall MAP Testing at home school	There will no longer be a placement exam. Sender schools are using the same common assessments as HS and we will articulate throughout the year.	Counselors meet with incoming freshman students and parents. All students receive a placement of Math 2.	DC meets with sender schools to identify any concerns with placement. DC will communicate changes in placement if necessary.	Student course list mailed home with final math placement.

Students in 8th Grade Algebra 2...

Fall 2019	December 2019	January 2020	March 2020	May 2020
Fall MAP Testing at home school	Detailed information about March 2019 placement exam emailed home and posted on math website.	Counselors meet with incoming freshman students and parents. All students receive initial placement of Accelerated Geometry & Trig .	A special Placement test will be given AT THE SENDER SCHOOL, beginning of March. Results sent home by end of March. Based on the placement test results, MAP scores, and 8th grade course grade, students will either remain in Accelerated Geometry & Trig OR Math 2 OR Geometry	Student course list mailed home with final math placement.

<p>Course Descriptions</p>	<p>Math 1 2050 1.0 credit Math 1 is a first course in high school mathematics. In all integrated courses, students study content standards in the domains of Algebra, Functions, Geometry, Number and Quantities, and Statistics and continue to develop their proficiencies with the 8 Standards for Mathematical Practice. Topics in Math 1 include linear and exponential relationships, functions, and representing and interpreting statistical data. The study of congruence and geometric properties of figures is approached from a transformational perspective while connecting to students' algebraic understandings. Some students may be dual enrolled in Foundations of Problem Solving, as determined by placement and department chair.</p> <p>Foundations of Problem Solving 2051 1.0 credit (elective) Foundations of Problem Solving is a Math 1 supplemental support class that develops students' procedural fluency, productive dispositions towards mathematics, and problem solving skills. Students will build and reinforce foundational math skills to further develop the computational skills and conceptual understandings needed to access Math 1 with confidence and success. Students will earn an elective credit. Students enrolled in this course by department chair recommendation only.</p> <p>Math 2 2060 1.0 credit Math 2 is a second course in high school mathematics. In all integrated courses, students study content standards in the domains of Algebra, Functions, Geometry, Number and Quantities, and Statistics and continue to develop their proficiencies with the 8 Standards for Mathematical Practice. Topics in Math 2 include algebraic and geometric connections, quadratic functions, piecewise and inverse functions, and representing and interpreting statistical data. The study of similarity and geometric properties of figures is approached from a transformational perspective while connecting to students' algebraic understandings.</p> <p>Geometry and Trigonometry Accelerated 2225 1.0 credit Geometry and Trigonometry Accelerated is a continuation of the program for students with superior ability in mathematics. The course offers an introduction to logic, an integrated treatment of plane and solid geometry, an introduction to convexity and transformations, and the development of trigonometry. It encourages original thinking by providing an atmosphere of challenge and creativity.</p> <p>Computer Science 5840 1.0 credit Computer Science offers an in depth look at basic data types, input/output statements, basic math operations, random values, conditional statements, loops, methods, String methods, and arrays. This course provides an excellent background for AP Computer Science and for most college computer courses. Language: Java</p>
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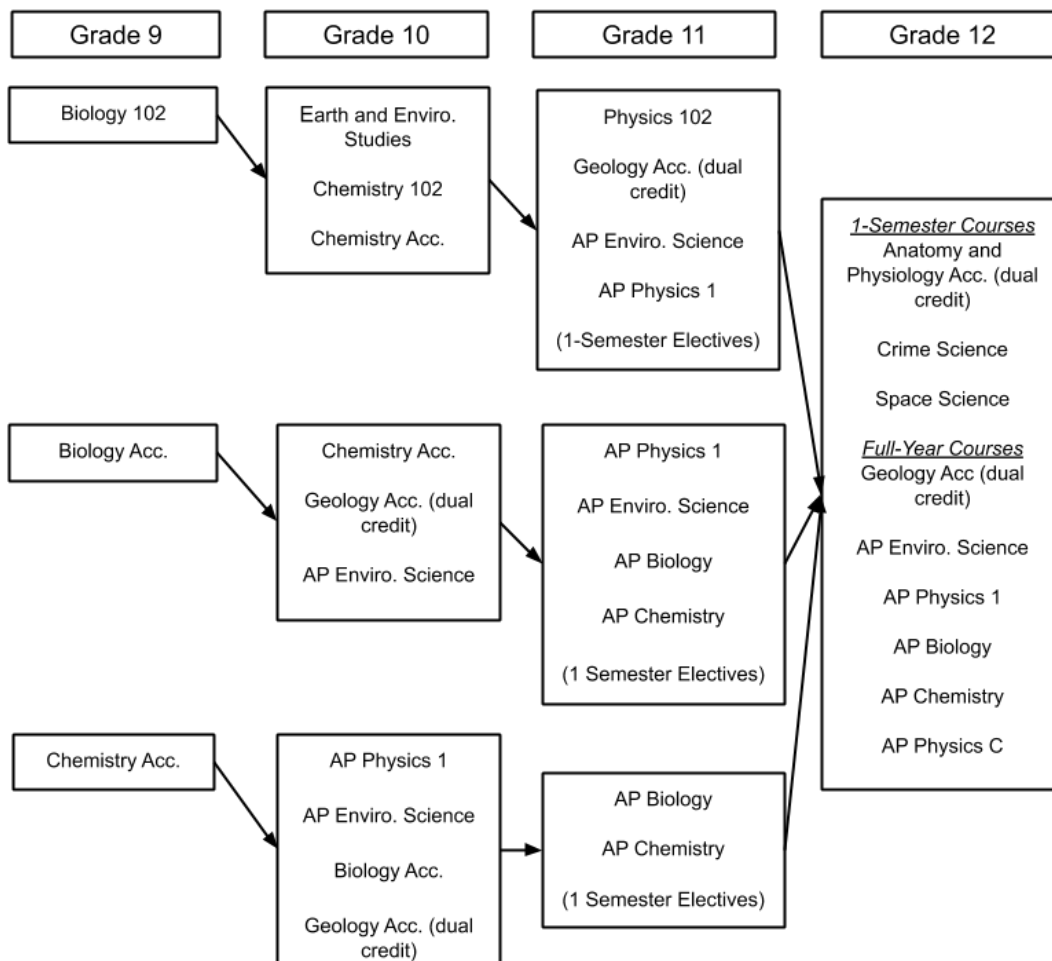
Maine South Mathematics Department Courses 2020-21



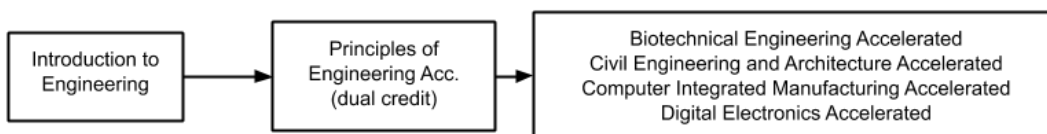
Department	Science
Department Chair	Daun Biewenga 847-692-8156 dbiewenga@maine207.org @BiewengaScience
Course Descriptions	<p>Placement Criteria Students are recommended for their freshman science course in either biology or chemistry based on a combination of their MAP Reading and Math scores, their middle school grades, and their math course history.</p> <hr/> <p>Biology 102 3300 1.0 credit The study of Biology introduces students to the living world around them through the exploration of several major concepts, including: Homeostasis, DNA and Gene Expression, Meiosis and Genetics, Natural Selection and Evolution, Energy, and Ecology. Hands-on laboratory investigations and technology applications are fully integrated into the curriculum, which is aligned to the Next Generation Science Standards. The lab experiences are designed to develop students' skills in making observations, gathering data, and being able to critically assess the results.</p> <p>Biology Accelerated 3305 1.0 credit Biology Accelerated introduces students to the same concepts as Biology 102 but with more depth. Hands-on laboratory experiences and technology applications are fully integrated into the curriculum. This course uses a college-level textbook and is recommended for students with strong reading and mathematical skills.</p> <p>Chemistry Accelerated 3605 1.0 credit Freshman students who are placed into Geometry and Trigonometry Accelerated for math and who have strong reading skills will be recommended to take Chemistry Accelerated. This full-year course takes a laboratory-intensive, mathematically rigorous approach to studying the nature of matter and its interaction with energy. The content topics include: chemical bonding, stoichiometry, types of chemical reactions, kinetics and equilibrium in reactions, chemical and nuclear energy, modern atomic theory, solutions, and acid/base chemistry. Please note that students who take Chemistry Accelerated as freshmen are expected to still take a full year of biology within three years. Most will take AP Biology during their junior year to meet this requirement.</p>

Maine South Science Course Sequence Options* 2020-21

**This sequence map shows new courses that students can add to their choices each year. Note that any course open to a sophomore is also open to a junior or senior. Students should consult the course descriptions, prerequisites, and career pathways of interest to identify their own plan of study.*



Maine South Project Lead the Way Engineering Electives



Department	Social Science
Department Chair	Jenne Dehmlow 847-692-8140 jdehmlow@maine207.org @jennedehm
Course Descriptions	<p>Placement Criteria Students are recommended for their Social Science course based upon a combination of their MAP Reading scores and their Social Studies grades in middle school.</p> <hr/> <p>World Cultures 1900 1.0 Credit These year-long courses trace the development of cultures in China, Japan, India, Latin America, Africa, and the Middle East. The focus of the course is the role of individuals, resources, and environment on the development of a culture and includes an overview of modern genocides. Included in the course is skill development in the areas of geography, reading, and writing.</p> <p>AP Human Geography 1017 1.0 Credit This year-long AP level course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. The class is a performance-based college-level survey course. Students taking this class will take the College Board Exam in Human Geography at the end of the year, which will afford them the opportunity to earn college credit.</p> <p>AP World History: Modern 1257 1.0 Credit This year long AP level course is an intensive, college level course studying the patterns of development and interaction between various societal organizations from pre-history to the present. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. This AP World History class is a performance based college-survey course. Students taking this class will take the College Board Exam in World History at the end of the year, which will afford them the opportunity to earn college credit.</p>

Maine South Social Science Department Courses 2020 - 2021

Grade 9

World Cultures
AP Human Geography
AP World History

Grade 10

**AP Economics: Macro / Micro
AP European History
AP Human Geography
**AP Psychology
*Economics
History of the Western World
*International Relations

Grade 11

US History
AP US History
AP Economics: Macro / Micro
AP Psychology
*Economics
*International Relations
*Law in American Society
*Sociology

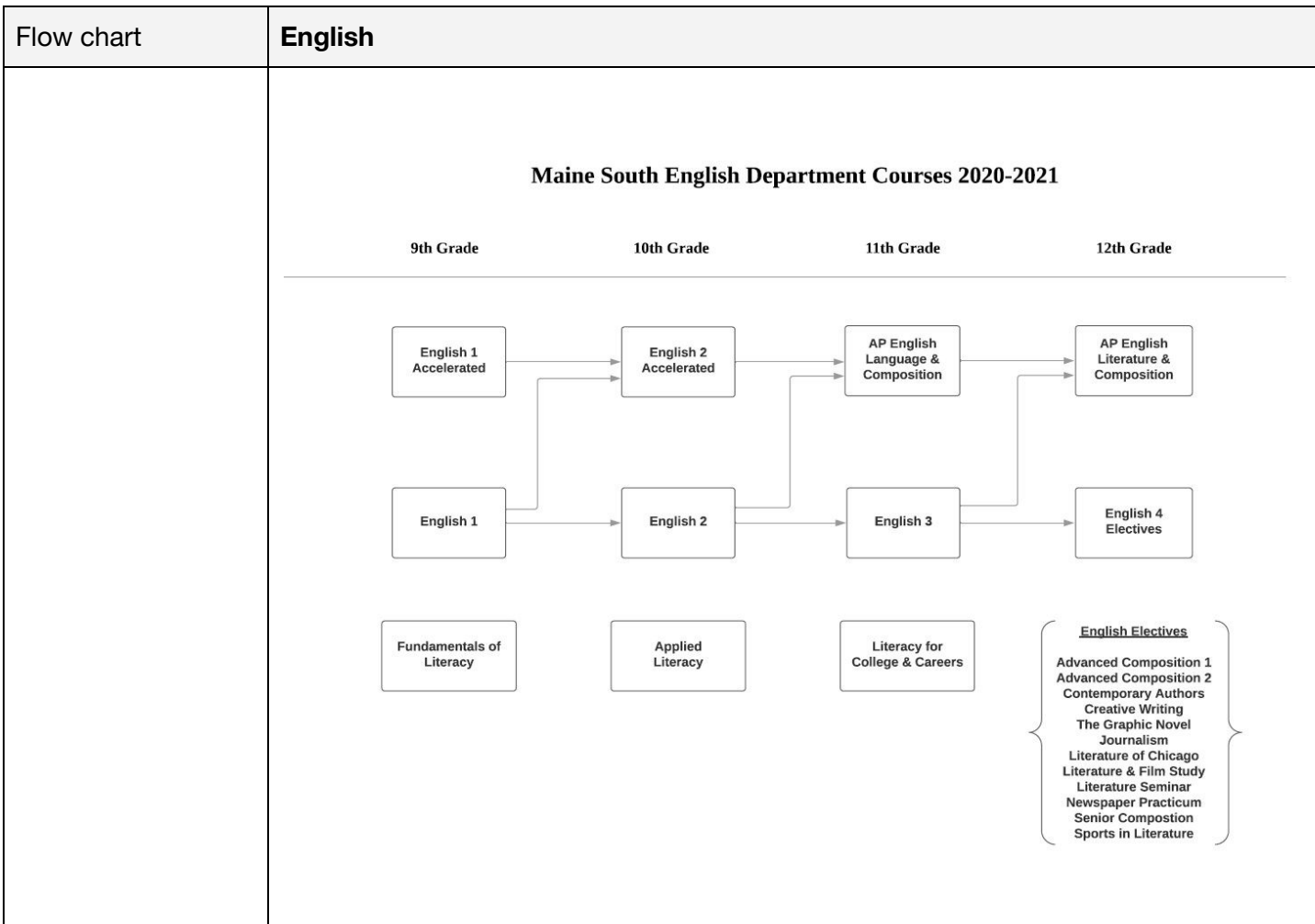
Grade 12

*Civics & Government
AP US/Comparative Government
AP US Government and Politics
AP Economics: Macro / Micro
AP Psychology
American Government: <i>We the People</i>
*Economics
*International Relations
*Law in American Society
*Modern America
*Sociology

* Semester Courses

** with Counselor Rec /
DC Approval.
(Applicable Soph year only.)

Department	English
Department Chair	Matthew Parrilli 847-692-8139 mparrilli@maine207.org @mattparrilli
Course Descriptions	<p>Placement Criteria Students are recommended for their freshman English course based upon their MAP Reading score and their Language Arts grades in middle school, and recommendations shared by their middle school teachers. Every student will take a full year English course during 9th Grade. Students may also be recommended for a literacy course to support and improve their literacy skills in all of their classes.</p> <hr/> <p>English 1 0100 1.0 credit This year-long course is designed to prepare students to meet the literacy demands of high school. Through the examination of language and composition, students will explore themes related to character and identity. The emphasis in language is on developing and improving the vocabulary, grammar, and mechanical skills of every student. In reading, the emphasis is on comprehending and appreciating literary and non-fiction texts. The focus in composition is on writing successful sentences, paragraphs, and essays (expository, argument, and narrative). In this course, students will complete assessments to show their progress toward mastery of the Common Core State Standards for English Language Arts.</p> <p>English 1 Accelerated 0105 1.0 credit This year-long course focuses upon the same literacy skills and themes as English 1 but with greater rigor and depth. Students will read additional texts and analyze more closely the stylistic and thematic choices made by authors. This course focuses on providing a foundation for future Advanced Placement work in English.</p> <p>Fundamentals of Literacy 0110 1.0 credit Applied Literacy 0210 1.0 credit Fundamentals of Literacy and Applied Literacy are supplemental literacy support classes that provides targeted instruction using student data to track progress, technology for individualized learning, and authentic reading instruction to engage students in the importance of literacy skills for school and life. Each course is aligned to the Common Core State Standards, and the curriculum includes all components of reading instruction for adolescents (fluency, comprehension, and vocabulary) to provide a balanced approach to improving literacy skills. Students identified through standardized test performance and/or teacher recommendation are placed into the appropriate literacy class and will earn elective credit for the course. Students will have the opportunity exit the course throughout the semester based upon their performance.</p>



Department	Physical Education and Health								
Department Chair	Dave Berendt 847-692-8218 dberendt@maine207.org								
Lead Teacher	Don Lee 847-692-8090 dlee@maine207.org								
Course Descriptions	<p>Physical Education:</p> <p>During freshman year, the physical education program is designed to provide students with fundamental knowledge and skill development through a sequence of health and skill related fitness activities and individual and team sports. Furthermore, students will be engaged in fitness testing to track personal fitness levels. They will also be tested cognitively on the five components of fitness and the six skill-related components of fitness as they relate to each unit.</p>								
Flow chart	<div><div>Maine South Physical Education and Health Courses 2019-2020</div><table><thead><tr><th>Grade 9</th><th>Grade 10</th><th>Grade 11</th><th>Grade 12</th></tr></thead><tbody><tr><td><div>* Physical Education</div></td><td><div>Physical Education</div><div>Health</div></td><td><div>Adventure Education</div><div>Dance I</div><div>Group Fitness</div><div>Junior Leaders: Application Only</div><div>Martial Arts</div><div>Junior and Senior Fitness and Sport</div><div>Total Body Conditioning</div><div>Yoga</div></td><td><div>Adventure Education</div><div>Dance I</div><div>Group Fitness</div><div>Senior Leaders: Must complete Junior Leaders to be Eligible</div><div>Martial Arts</div><div>Junior and Senior Fitness and Sport</div><div>Total Body Conditioning</div><div>Yoga</div></td></tr></tbody></table><div>* Full Year Course</div></div>	Grade 9	Grade 10	Grade 11	Grade 12	<div>* Physical Education</div>	<div>Physical Education</div> <div>Health</div>	<div>Adventure Education</div> <div>Dance I</div> <div>Group Fitness</div> <div>Junior Leaders: Application Only</div> <div>Martial Arts</div> <div>Junior and Senior Fitness and Sport</div> <div>Total Body Conditioning</div> <div>Yoga</div>	<div>Adventure Education</div> <div>Dance I</div> <div>Group Fitness</div> <div>Senior Leaders: Must complete Junior Leaders to be Eligible</div> <div>Martial Arts</div> <div>Junior and Senior Fitness and Sport</div> <div>Total Body Conditioning</div> <div>Yoga</div>
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Department	Special Education
Department Chair	Laurel Grogger 847-692-8163 lgrogger@maine207.org
Course Descriptions	Students are in general education courses, courses that parallel general education courses, or specialized programs.
8th Grade Transition Timeline	<p>Mid October - Special educators and related service providers from the middle schools attended an open house at Maine South to discuss high school programming, services, and the hybrid schedule.</p> <p>In November - The Special Education Department Chair and IEP Facilitator went to the middle schools to meet with case managers to obtain basic information about the incoming students. This enables the school teams to invite the appropriate staff (program representatives and related service providers) to the transition meetings.</p> <p>Mid December to early February - Transition meetings will happen for all 8th grade students with IEPs at Maine South. Maine South Counselors attend these meetings to ensure that the appropriate courses are documented for the 2020-2021 school year. This alleviates the need for 8th grade students with IEPs to have individual counselor meetings.</p>

Maine South High School

Freshman Orientation Events Class of 2024



Month	Event	Information
October 9th October 16th October 30th	Tours designed for parents of first-time high school students	<ul style="list-style-type: none"> • Building tour • Elective classroom visits • Explanation of the registration process • Special Education Info
November 1st - Parochial Schools	Tours for parents and students of parochial schools	<ul style="list-style-type: none"> • Building tour • Elective classroom visits • Explanation of the registration process • Special Education Info
December 3rd	Freshman Registration Kick-off Evening	<ul style="list-style-type: none"> • Placement process • Individual Counselor Sign-up • Scheduling / Four-year plan • How parents can be involved (side session) • Student Life • Special Education Meeting • Summer School
Tentatively January 22, 29, February 5 (Registration deadline- mid-February)	Individual Counselor Meetings	<ul style="list-style-type: none"> • Understanding the family dynamic • Services that we provide • Registration for courses • Four-year planning
March 11th	Freshman Activities/Fine Arts/Athletics Fair	<ul style="list-style-type: none"> • Sign-up for activities • Athletic tryout Information
July 30th	Home Visits	<ul style="list-style-type: none"> • Visits by Maine South staff to the incoming freshmen who have not signed up for a school group
August 17th	Freshman Only First Day of School	<ul style="list-style-type: none"> • Freshman Assembly • Meet Freshman Focus leaders • Building Tour • Schedule walk-through

Maine South High School

Registration & Student Services	Dr. Melissa Pikul - Assistant Principal for Student Services mpikul@maine207.org
Clubs and Activities	Mr. Dave Berendt - Assistant Principal for Students dberendt@maine207.org
Special Education	Ms. Laurel Grogger - Special Education Department Chair lgrogger@maine207.org
Athletics	Mr. Andy Turner - Athletic Director aturner@maine207.org
Communications, Technology, Instructional Materials/ Supplies	Mr. George Dagres - Associate Principal gdagres@maine207.org
Summer School	Ms. Melissa Dudic - Assistant Principal for Teaching and Learning mdudic@maine207.org
Team Black	Ms. Linda Borchew Dean of Students (A-G) lborchew@maine207.org Ms. Erin Sanchez Counselor esanchez@maine207.org Mr. Timothy Spiegel Counselor tspiegel@maine207.org Mr. Robert Tortorelli Counselor rtortorelli@maine207.org Ms. Lisa Buckley Social Worker lbuckley@maine207.org
Team Red	Ms. Marta Hall Dean of Students (H-O) mhall@maine207.org Ms. Trisha Conlon Counselor tconlon@maine207.org Ms. Stephanie Maksymiu Counselor smaksymiu@maine207.org Ms. Cris Villalobos Counselor cvillalobos@maine207.org Mr. Brad Wolcott Social Worker bwolcott@maine207.org
Team White	Mr. Mike McGreevy Dean of Students (P-Z) mmcgreevy@maine207.org Mrs. Meghan Wood Counselor mwood1@maine207.org Mr. Bill Milano Counselor wmilano@maine207.org Ms. Diane Spillman Counselor dspillman@maine207.org Ms. Janet Radziszewski Social worker jradziszewski@maine207.org
Career & College Admission Specialist	Ms. Robyn Moreth rmoreth@maine207.org
School Psychologists	Mr. Steve Mihalopoulos smihalopoulos@maine207.org Ms. Paige Comito pcomito@maine207.org

Placement and Curriculum	Ms. Daun Biewenga	Science Chair	dbiewenga@maine207.org
	Mr. Patrick Fonsino	CTE Chair	pfonsino@maine207.org
	Ms. Jenne Dehmlow	Social Science Chair	jdehmlow@maine207.org
	Ms. Tona Costello	Foreign Language Chair	tcostello@maine207.org
	Ms. Teralyn Keith	Fine Arts Chair	tkeith@maine207.org
	Mr. Don Lee	PE Lead	dlee@maine207.org
	Mr. Matt Parrilli	English Chair	mparrilli@maine207.org
	Ms. Dawn Bodden	Math Chair	dbodden@maine207.org

FRESHMAN COURSE SELECTION FORM

2020-21 School Year

All freshman are expected to take a minimum of 7 courses including PE.

#Dual Credit Course-weighted credit-no pass/fail option.
Course Placement subject to change based on test results.

Section I - Required Courses

English (1 credit)

0100 English 1
0105 English 1 ACC

Science (1 credit)

3300 Biology 102
3305 Biology ACC
3605 Chemistry ACC

Mathematics (1 credit)

2050 Math 1
2060 Math 2
2220 Geometry
2225 Geometry/Trigonometry ACC

Physical Education

8200 Physical Education
9991-2 Lunch

Section II - Elective Courses

Support Electives (1 credit)

0110 Fundamentals of Literacy
0210 Applied Literacy
2051 Foundations of Problem Solving

Math (1/2 credit)

5840 Computer Science (semester course)

Social Science (1 credit)

1900 World Cultures
1017 AP Human Geography
1257 AP World History: Modern

World Languages (1 credit)

4210 French 1	4225 French 2 ACC
4220 French 2	
4310 German 1	4325 German 2 ACC
4320 German 2	
4410 Italian 1	
4710 Spanish 1	4725 Spanish 2 ACC
4720 Spanish 2	
4970 Mandarin Chinese 1	

Career & Technical Education (CTE) (1/2 Credit)

5390 Robotics (semester course)
5740 Computer Programming (semester course)
5810 Digital Marketing (semester course)

Fine Arts (1 credit)

0500 Drama 1
0550 Technical Theater (1/2 credit, semester 2 only)
0710 Broadcasting
5040 Digital Imaging (sem. course, repeatable 1X)
5070 Art Foundations (1st semester)
5090 Art Applications (2nd semester)
5150 Design & Materials 1
5170 Photography 1
7010 Digital Audio & Music Production (semester course)
7050 Piano 1
7060 Guitar 1
7420 Concert Band
7460 Percussion Techniques
7470 Beginning Orchestra
7480 String Orchestra
7610 Chorus
7660 Glee

Career & Technical Education (CTE) (1 credit)

5300 Introduction to Business
6110 Culinary 1
6200 Early Childhood Development
6250 Fashion 1
6350# (CAD) Computer Aided Drafting 1 ACC
6720 Graphic Arts 1
6930# (PLTW) Intro to Engineering Design ACC

SUMMER SCHOOL SELECTIONS: Optional

Choose your courses carefully, you are expected to remain in these courses for the entire 2020-21 school year.