



2017-2018

PROGRAM OF STUDY GUIDE

Revised 4/11/17

TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
School Profile	1
Making Course Selections	3
Graduation Requirements	3
Academic Course Assignment	4
Enrichment Programs	4
Dropping a Subject	5
Honor Roll Status	5
Scheduling Process	6
Support Services	7
Courses of Study:	
Art	8
Culinary & Hospitality	9
English	10
Health and Physical Education	11
Mathematics	12
Modern World Language	14
Music	16
Science & Technology	18
Social Studies	21
Pathways Program	23
Biddeford Regional Center of Technology	24
Special Education Program	25
Graduation Requirement Checklist	26



Old Orchard Beach High School Profile 2016-2017

40 E. Emerson Cummings Blvd.

Old Orchard Beach, Maine 04064

Phone: 207-934-4461 Fax: 207-934-3705

<http://oobschools.wix.com/oobhs>

CEEB Code: 200750

Principal: John Suttie
Assistant Principal: Eric Hanson

Dir. Of Guidance: Elizabeth Nason
Guidance Counselor: Jackie Hayes

The School

Old Orchard Beach High School is a four-year public high school that serves approximately 250 students in grades 9-12 with a comprehensive academic curriculum. The school is accredited by the New England Association of Schools and Colleges. In the mid 1990's, OOB High School was granted the distinction of National School of Excellence for its outstanding commitment to enhancing student learning and performance. The task of education at Old Orchard Beach High School is a responsibility shared by teachers, students, parents/guardians, administrators, staff, and the community. By making students aware of their responsibilities and privileges in society, we seek to prepare them for roles as active citizens.

The Community

Old Orchard Beach is a suburban coastal community located just 12 miles south of Maine's largest city, Portland, and 90 miles north of Boston. Catering to tourists and families is a way of life in Old Orchard Beach, as tourism is the primary business of the community. It has a year round population of roughly 9,000 and expands in the summer to nearly 100,000. Boston is located just 90 miles south which offers OOB citizens the opportunities of a large city experience. The cities of Biddeford, Saco, and Scarborough are our immediate neighbors, offering a variety of services and shopping.

Graduation Requirements:

(24 credits are required for graduation)

- English 4 Soc.Study/Geo. 1
- Math 3 World History 1
- Science 3 US History 1
- Phys Ed. 1 Fine Arts .50
- Health .50 Computers .50
- Community Service – 20 hrs

Grading Scale:

A+ 98-100 B+ 92 C+ 84 D+ 76
A 95-97 B 89-91 C 81-83 D 74-75
A- 93-94 B- 85-88 C- 77-80 D- 70-73

Class rank and GPA are weighted

AP 1.06 Honors 1.03

Student Outcome Data

Class of:	2016	2015	2014
Class Size	57	53	50
4-year College	31.6%	37.8%	38%
2-year College	26.3%	30.2%	30%
Vocational	1.8%	0 %	2%
Military	5.3%	1.9%	6%
Gap Year/Workforce	35%	30.1%	24%

School Test Information

	2016	2015
SAT Reading Avg.	474	468
SAT Math Avg.	465	467
SAT Writing Avg.	471	461
Total AP Exams Taken	22	22
# Students Earn 3+ on AP Exams	8	12
% Students Earn 3+ on AP Exam	36%	52%

The Old Orchard Beach High School Curriculum

Old Orchard Beach High School offers a diverse and comprehensive curriculum fully aligned with Common Core Standard, Maine Learning Results and Guiding Principles. Courses include a wide range of disciplines with varying levels of rigor and are geared toward preparing student to meet and exceed their career and college goals. Courses are taught on an 8 period schedule in 70- minute time-blocks. Full credit courses meet all year, and half credit courses meet for a semester. College Preparatory courses are labeled CP before the course name on the transcript. Students also have the option to participate in a variety of unique opportunities to include: job-shadowing and internships, Early College Enrollment courses via nearby 2 and 4-year colleges as well as vocational training programs with Biddeford Regional Center of Technology (BRCOT) programs.

Honors / AP Courses

English Department:

AP English Language/Comp
AP English Literature/Comp

Science Department:

AP Biology
AP Env. Science

Math Department:

Honors Geometry
Honors Algebra II
Honors Pre-Calculus

History Department:

A.P. U.S. History

Foreign Lang. Dept:

Honors Intermediate French 2 (Honors French IV)

College and University Admissions for 2014-2015:

Arizona State University
Bay State College
Champlain College
Clark University
Clarkson University
Colby College
Colby-Sawyer College
College of the Holy Cross
Curry College
Daytona State College
Drexel University
Eastern Nazarene College
Eastern Maine Comm. Col.
Eckerd College
Emerson College
Emmanuel College
Endicott College
Fisher College
Florida Atlantic University
Franklin Pierce College
Green Mountain College
Hartwick College
Hobart and William Smith
Hofstra University
Husson College
Keene State College

Lyndon State
Maine Maritime Academy
Marist College
Mass. Col. of Pharmacy
Merrimack College
Mount Ida College
New York University
Nichols College
Northeastern University
Oregon State University
Palm Beach Atlantic U.
Plymouth State University
Providence College
Quinnipiac University
Regis College
Rocky Mountain College
Roger Williams University
Saint Anselm College
Salve Regina University
St. Jos. Col. of ME
Simmons College
Springfield College
Southern Connecticut
State University
Southern Maine Comm Col
St. Michaels College

Stonehill College
Suffolk University
Susquehanna University
Syracuse University
Thomas College
U.S.C.G. Academy
University of Arizona
Univ. of Maine @ Augusta
Univ. of Maine @ Farmington
Univ. of Maine @ Machias
Univ. of Maine @ Orono
Univ. of Southern Maine
U. of Mass. at Amherst
University of New England
Univ. of New Hampshire
Univ. of N.Carolina, Charl.
Wentworth Inst. of Tech.
Wesleyan University
Western New England
Wheaton College
Wheelock College
Worcester Polytech. Inst.
York County Comm. College

MAKING GOOD COURSE SELECTIONS

As with any other life decision you make, choosing the right courses throughout high school takes some effort in gathering information and being thoughtful. When making your course selections, you should consider the following: graduation requirements, your future plans, and your interests and abilities. Talk with key people such as your parents, guidance counselor, advisor, and teachers about your choices and goals. Developing a four year plan for high school will help you stay on track for reaching these goals. Putting thought into this process of choosing courses will help make your education at Old Orchard Beach High School more enjoyable and prepare you for your future. **The choices you make now will play a key role in the options available to you after high school graduation.** Choosing to do well in your high school academic program is the only way to ensure that many options will be available to you after high school. We are here to help you along the way, but only you can make it happen. We wish each of you success in making the most of your educational experience at Old Orchard Beach High School.



GRADUATION REQUIREMENTS

Class Standing

Class levels are assigned on the basis of accumulated credits. Students are required to carry a load of at least six credits per academic year in order to be considered a full time student. Credit totals required for class standing and graduation are as listed:

Sophomore	Junior	Senior	Graduation Total
5+	11+	17+	22 starting w/class of 2018

Class of 2018

22 Credits Total to Graduate

<u>Core Subjects</u>	<u>Graduation Requirement</u>
English	4 Credits
Mathematics	3 Credits
Science	3 Credits
Social Studies	3 Credits
Phys Ed	1 Credit
Health	.50 Credit
Fine Arts	1 Credit
Electives	6.5 Credits
Community Serv 20 Hours	
Professional Internship 40 Hours (Pilot)	

Class of 2019 and beyond

22 Credits Total to Graduate

<u>Core Subjects</u>	<u>Graduation Requirement</u>
English	4 Credits
Mathematics	3 Credits
Science	3 Credits
Social Studies	3 Credits
Phys Ed	1 Credit
Health	.50 Credit
Fine Arts	1 Credit
Financial Literacy	.50 Credit
Electives	6 Credits
Community Serv 20 Hours	
Professional Internship 40 Hours (Pilot)	

ACADEMIC COURSE ASSIGNMENT

Student placement in academic courses is based on teacher recommendations and/or test scores. If parents wish to discuss placement, they can set up an appointment through the guidance office.

ADVANCED PLACEMENT (AP) PROGRAM

Old Orchard Beach High School offers students a chance to take college level courses and potentially earn college credit while in high school. One way is through the Advanced Placement program, in partnership with the College Board. Students may wish to prepare for the AP tests by working with teachers and/or by accessing test preparation materials from the website of the College Board.

Students who score well on the AP Exam may be eligible for college credit (a tuition savings) and/or advanced standing in that subject area when they go on to college. Students who take the AP courses are expected to take and pay for the AP Exam in the spring. Information about the program and test registration and fees is available from Ms. Nason, OOBHS AP Coordinator.

AP4ALL

Offered by the Maine Department of Education, AP4ALL provides online Advanced Placement courses free of charge to students attending public high school in Maine. There is limited availability in courses taught by Maine certified teachers. AP4ALL classes satisfy all College Board Advanced Placement course requirements. Please contact the guidance department if you are interested.

An OOBHS student may qualify for an AP4ALL course if the class is not offered at OOBHS and/or the student is unable to enroll in the OOBHS class due to scheduling conflicts.

ONLINE COURSES

Old Orchard Beach High School has computer-based curriculum that can be used for academic remediation or for credit recovery. Research-based techniques are used for program delivery and assessments. Students interested in online courses should contact their guidance counselor.

ENRICHMENT PROGRAMS

Regional Fine Arts Program

The York County Regional Fine Arts Program (RFA) provides a unique opportunity for highly motivated students talented in the arts to work with professional artists in a workshop setting. The purpose of this program is to provide sessions in which students from several York county high schools learn the skills, tools, and techniques specific to the art discipline to produce exciting and original art, both individually and in collaboration. The program is housed at Biddeford High School. Currently, the RFA program consists of ten biweekly sessions on Thursday from 8:30 am - 12:30 pm. Old Orchard Beach students are bussed to and from Biddeford High.

Successful participation requires a significant commitment from students. They must have regular attendance in the program and complete homework and in-class assignments. Students must be able to keep up with assignments and work in all their home school classes as well.

Admission to the RFA program is through an application and selection process. Students must demonstrate ability in the art field, complete the application, and receive permission to attend from their course teachers. The financial cost are paid by the Regional School Unit #23 school district and are, in effect, a substantial scholarship from the district to each student. In order to receive a half-credit for the 40 class hours of the program, students must present a performance -based assessment to a panel of teachers and complete an evaluation/reflection for the RFA program coordinator. Information about the program is announced at the beginning of each school year.

College Early Studies Programs/Dual Enrollment/Additional AP courses

College Early Studies programs offer an opportunity for academically motivated juniors and seniors to take college courses while still in high school. It gives the student a chance to see what college courses are like, explore an area of interest in greater depth, and earn college credits. College courses are available through the community college, the University of Maine system, the Maine College of Art, and the University of New England.

Community Internship

Highly responsible Juniors and Seniors who are interested in a particular career shall have the opportunity for an Internship within the Saco/Old Orchard Beach community. Applicants need to be in good academic and citizenship standing. Those students interested, should apply through the guidance office at the beginning of the school year. One half credit will be given for every 45 hours completed and will be given a pass/fail grade. The Director of Guidance will oversee the placement and assign the grade. Journal entries, essays and work site evaluations will be used to determine the pass/fail grade.

CREDIT RECOVERY

Students in need of credit recovery should meet with guidance to discuss options which may include summer, after school and/or school day programming to support their needs.

DROPPING A SUBJECT

Students should choose their courses carefully. Specific dates are set up in August before the start of school for students to discuss changes to their schedule with the guidance counselor. Except in unusual circumstances, requests for changes in student schedules cannot be granted after the second week of school. There are, however, instances when changing or dropping subjects is both feasible and advisable.

Once the school year has begun, students must meet with their teacher to discuss dropping the course. All changes require signatures from all teachers involved, a parent/guardian, and the guidance counselor. After the first two weeks of school, the principal's signature is also required. In some cases, a conference may be requested to discuss the requested schedule change.

Credit Status of Dropped Subjects

Dropping a subject during the school year is considered an extreme measure and will be allowed only when unusual circumstances make it advisable. If a subject is dropped before the end of the first quarter progress reports, no grade will be entered on the student's permanent record. Any student who withdraws from a course after the initial progress report due date will have either a "withdrawal passing" or "withdrawal failing" on his/her permanent record. Any completed quarter grades will also be included in the permanent record.

Honor Roll Status

Students must carry a minimum of five academic subjects and six credits to be eligible for the quarterly Honor Roll. Center of Technology students will receive one grade for classroom work and one for laboratory experience in computing Honor Roll status. Students must pass all subjects taken for credit, regardless of grading system used.

Highest Honors

Students will receive "Highest Honors" if they have earned a grade of 93 or above in all subjects.

High Honors

Students will receive "High Honors" if they have earned a grade of 85 or above in all subjects, but maintain an average of 93 or above for that quarter.

Honors

Students will receive "Honors" if they have earned a grade of 85 or above in all subjects. With "Honors", students may receive one grade of 77-84 provided there is a grade of 93-100 to offset that 77-84 grade.

Rank in Class

Determination of rank for the purpose of rank in class will be on the basis of percentage average in all courses pursued, irrespective of number, provided that the student is enrolled in the required minimum number of credits. Honors and AP courses are given added weight in the GPA. The final average is rounded off to two (2) decimal places. Students that have completed an academic college course will be granted an AP weight towards their overall GPA. Students must provide the guidance department with an official college transcript when course has been completed.

Senior Ceremony Roles

Students will be selected for graduation ceremonial roles at the end of the third quarter of their senior year. Graduation speaking parts will be granted to the top three seniors based on rank in class. Other speaking parts will be divided among the top ten seniors in the class. Seniors must be in attendance at Old Orchard Beach High School for a minimum of one semester of their final year in order to qualify for a ceremonial role. High school cumulative GPA (after 3rd quarter of senior year) will determine the top ten for the graduating class.

Powerschool Parent Portal

You can access your child's academic progress, attendance, and notifications through our Powerschool Parent Portal. Log-in information is mailed out in September. The school will communicate through various media when academic reports are available. Don't hesitate to contact your child's teacher if you have any concerns or questions.

Teacher Aide Policy

Students who are teacher aides will receive a pass/fail grade and .25 credit per semester. A student must be carrying at least six academic credits in addition to the teacher aide position. Teacher aides will be set up by semester even if assisting in a full year course. To become a teacher aide at Old Orchard Beach High School, the following process must be followed:

1. The student must discuss his/her wish to become a teacher aide with the teacher involved.
2. The student must then obtain a Request for Teacher Aide Position form from the Guidance Office. This form must be completed by the student and returned to the guidance office.
3. The guidance department will notify the student if his/her request has been approved.

SCHEDULING PROCESS

Students should carefully read the course information included in this course of study guide to select desired courses for the following year. The process for scheduling students grades 9-11 is as follows:

1. Teachers submit their recommendations for course levels in core subjects for each student.
2. Students will be provided the course of study guide information and given time to consult with their parent/guardian, teachers, and guidance counselor regarding their course selection.
3. Students will enter their choices for electives in powerschool portal.
4. Guidance may meet with students to review their schedule choices as needed.
5. Schedule requests are processed through the guidance office and PowerSchool Scheduling System. Final schedules are sent to students/parents in August. Students may come in on designated days in August to make schedule changes.

Scheduling of incoming Freshmen:

1. The guidance counselors visit classrooms to discuss the course of study guide and talk about course selections.
2. An orientation is held for 8th grade parents and students.
3. Eighth grade teachers submit course recommendations.
4. Final schedules are sent to students/parents in late August. Students will have the opportunity to come in on designated days in August to make schedule changes.

SUPPORT SERVICES

At Old Orchard Beach, the following support services are available to help make the most of your high school experience.

GUIDANCE OFFICE

The Guidance Office is full of resources to help students select courses, research careers and colleges, find out what career they wish to pursue, and obtain information on financial aid and scholarships. The guidance counselors assist students in a variety of areas, including course selection, study skills, schedule adjustments, reviewing course requirements, selecting and researching occupations, colleges, scholarships, testing, the college application and financial aid process, mediating with teachers and staff, and setting up parent/teacher meetings. Appointments to see the guidance counselor can be made through the guidance secretary. Please see the guidance web page for more information.

SCHOOL NURSE

The school nurse serves the Jameson and Loranger Schools as well as the high school. She assists students with health and medical issues, coordinates school physicals, assists students in finding health and community resources, and provides health information.

SOCIAL WORKER & SUBSTANCE ABUSE COUNSELOR

The school social worker and substance abuse counselor are available as additional support for our students. Referrals for these services are made through the guidance department.



ART DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Art I	.50	semester
Art II	.50	semester
Painting	.50	semester
3D Design/Sculpture	.50	semester
Advanced Studio Art	.50/1	semester/year long

ART I

.50 credit

Art I is designed to serve as a prerequisite and foundation course for those interested in meeting their fine arts requirement through visual art. Students will use the elements and principles of art to solve problems and express ideas and feelings. A variety of techniques and media will be explored. Assessments will be both written and project based.

ART II

.50 credit

Prerequisite: Art I & Teacher Recommendation

Art II is designed for students who wish to continue working with the art foundations curriculum. Students will increase the quality of their work and focus on creating challenging projects in a variety of media. Personal interest will be explored while strengthening their technique and craftsmanship. Assessments will be both written and project based.

PAINTING

.50 credit

Prerequisite: Art I & Art II

Students will explore painting through the use of acrylics and watercolors. Skill and control of the medium will be the focus of this class. Color theory and mixing, along with the elements and principles of design will be utilized to create paintings that explore personal themes and styles. Assessments will be written and project based.

3D DESIGN/SCULPTURE

.50 credit

Prerequisite: Art I & Art II

Students in this elective will use the elements and principles of design to create original, expressive 3D art forms in media such as wire, paper mache, clay, wood, and found objects. Projects will involve assemblage, modeling and carving techniques. Assessments will be both written and project based.

ADVANCED STUDIO ART

.50 / 1 credit

Prerequisite: Art I, Art II, & Teacher Recommendation

This studio art elective is geared for advanced art students wishing to focus on their independent practice and art portfolio development. The course will be designed based on individual student interests and centered on skill and concept development within a project-based format. Option to take this course for a semester or full year, and potential for Advanced Placement Studio Art credit.

CULINARY & HOSPITALITY DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Culinary Arts I: Intro to Culinary Arts	.50	semester
Culinary Arts II: Advanced Food Preparation	.50	semester
Advanced Culinary Arts	.50	semester

CULINARY ARTS I - Grades 9-12 .50 credit

This course is an introduction to culinary arts with emphasis on learning the fundamentals of cooking to include basic ingredients and cooking methods. Hands-on classes introduce students to safety and sanitation in the kitchen, tools, techniques, and equipment, cold foods preparation and seven basic cooking methods: boiling, broiling, roasting, baking, stewing, steaming, and sweating. Students learn how to apply the seven basic cooking methods to the preparation of foods: grains, vegetables, fruits, proteins, legumes and dairy; and how to use each in basic meal planning. Team building and time management skills are emphasized. **(Projected Culinary & Hospitality Pathway Endorsement.)**

CULINARY ARTS II - Grades 9-12 .50 credit

Prerequisite: Culinary Arts I

Emphasis will be placed on more advanced food preparation and cooking methods of ingredients used in ethnic and regional foods in America. Students will be able describe and prepare dishes from different regions. **(Projected Culinary & Hospitality Pathway Endorsement.)**

ADVANCED CULINARY ARTS - Grades 11-12 .50 credit

Prerequisite: Culinary I & Culinary II

This course provides students with an opportunity to explore various career paths in the field of Culinary Arts by completing an internship. Local business partners will serve as mentors by providing a real-world connection to the many facets of operating a food oriented business or service. Students will be expected to spend a minimum of 40 hours per semester in a worksite of their choice. Journal entries, critiques of periodicals and a final presentation are required for credit. Students must have completed both Culinary Arts I and II and be a junior or senior.

Culinary & Hospitality Endorsement

The students must successfully complete a minimum of 5 credits, in addition to the 16 core requirements. Three of those credits shall be from the Culinary and Hospitality Department, including those offered through Early College at YCCC, SMCC, and University College of Saco. One shall be from the Business Department (either Accounting I or Personal Finance Management) and the other from the Art & Computer Science Department (Innovative Design Concepts)



ENGLISH DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
English I	1	year
English II	1	year
English III A & B	.50 each	semester each
English IV A & B	.50 each	semester each
AP English Language and Composition	1	year
Folklore & Fairytales	.50	semester

All English courses offered at OOBHS require students to read at grade level from a variety of genres, including poetry, drama, fiction and nonfiction. Additionally, students are required to be proficient writers and speakers at each grade level as they move through the English course sequence. All English courses also require students to engage in the research process and to be proactive, respectful members of a learning community.

ENGLISH I – Grade 9

1 credit

Freshman will work throughout the year to answer the question: Who am I. The course emphasizes the foundations of effective writing, argumentation, and formal discussions, while studying fiction and nonfiction from around the world.

ENGLISH II – Grade 10

1 credit

Pre-requisite- English I

After exploring identity construction in the freshman year, sophomores will investigate how American identities have been shaped by history. The literature, writing, and research assignments in this course explore conflicts and revolutions in American culture.

ENGLISH III A & B

.50 credit each

Pre-requisite- English 9 & 10

From the Declaration of Independence to The Great Gatsby, Junior English examines the evolution of the American Dream. We also investigate how war and other cultural shifts affect individuals around the globe.

ENGLISH IV A & B

.50 credit each

Pre-requisite- English 9,10,11

In Senior English, we scrutinize the expectations our culture places on us to be productive members of society. We also analyze our beliefs and values as we prepare for life after high school.

AP LANGUAGE & COMPOSITION - Grade 11/12

1 credit

Pre-requisite: English 9,10 and teacher recommendation

AP Language engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. This course may require summer assignments and prepares students to take the AP Language exam in May. This AP class will replace either English III or English IV. Students will be required to take the AP exam in the spring. The student is responsible for the AP exam fee. There is a reduced fee for "free/reduced" lunch recipients.

FOLKLORE & FAIRYTALES grades 11/12

.50 credit

Fairytales and folklore have drastically changed throughout the years. In this course, students will analyze the adaptation of fairytales and folklore over time in order to cater to the popular audience and purpose of use. Original works of Hans Christian Anderson and the The Brothers Grimm will be analyzed and compared to the modern day existence of the tales through Disney, graphic novels, and children's literature.

HEALTH AND PHYSICAL EDUCATION

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Intro to Physical Education	.50	semester
Health	.50	semester
Couch to 5K	.25	quarter
Intro to Weight Training	.25	quarter
Advanced Weight Training	.25	quarter
Personalized Fitness	.25	quarter
Racket Sports	.25	quarter
Weight Training for High School Girls	.25	quarter

INTRO TO PE - grades 9/10

.50 credit

This class must be taken before any physical education electives are taken. The purpose of Intro to PE is to promote and participate in physical fitness activity, develop motor skills, teach life-long fitness activities, and develop social skills such as cooperation, sportsmanship, teamwork, etiquette and safety. Students will engage in fitness enhancing activities and gain understanding of physical fitness concepts.

HEALTH grades 9/10

.50 credit

Introduction to Health is required for all students. Students will receive instruction on how to live a healthy lifestyle. Topics will include community and consumer health, growth and development, nutritional and personal health, prevention and control of disease, substance use and abuse, and first aid and safety. CPR topics will also be taught.

COUCH TO 5 K grades 10,11,12

.25 credit

Pre-requisite: Intro to PE

This course will take beginner runners and give them a blueprint and goal to get out and progress to running a 5k. The course is for 10th-12th graders that have completed intro to P.E.. Students who take this offering should prepare to be outside as often as possible and dress accordingly.

INTRO TO WEIGHT TRAINING grades 10,11,12

.25 credit

Pre-requisite: Intro to PE

This course is designed to explore basic weightlifting activities and concepts. Students will engage in individualized resistance training programs to enhance fitness levels through weight training for a lifetime. Topics include identification of muscles, routines that target specific muscles, and construction of individualized lifting programs.

ADVANCED WEIGHT TRAINING grades 11,12

.25 credit

Pre-requisite: Intro to PE

This course is focused on development and implementation of a resistance training program for each participant. We will incorporate many types of workouts and lifts. This class is for upperclassmen grades 11-12 preferably.

PERSONALIZED FITNESS grades 10,11,12

.25 credit

Pre-requisite: Intro to PE

This course emphasizes total body fitness and focuses on aerobic activity and resistance training for a lifetime of wellness. Topics include cardiovascular activity, muscular strength and endurance, some cross-fit activities, plyometrics, and safe and sound activity principles.

RACKET SPORTS grades 10,11,12

.25 credit

Pre-requisite: Intro to PE

This course is designed to enhance personal fitness levels through the use of racket sports. Topics include tennis and pickleball, workout routines which enhance performance in these sports, and development of motor skills related to these sports. Students will learn wellness enhancing activities for a lifetime.

WEIGHT TRAINING FOR HIGH SCHOOL GIRLS grades 10,11,12

.25 credit

Pre-requisite: Intro to PE

This course will be offered to girls in grades 10-12 grade. Students will be introduced to resistance training. Gaining an understanding of different movements, pairing of muscle groups and benefits of resistance training. We will be building individualized workout plans and goals.

MATHEMATICS DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Algebra I Concepts	1	year
CP Algebra I	1	year
Geometry Concepts	1	year
CP Geometry	1	year
Honors Geometry	1	year
Algebra II Concepts	1	year
CP Algebra II	1	year
Honors Algebra II	1	year
Honors Pre-Calculus	1	year
Contemporary Math	1	year
Probability and Statistics	1	year
College Algebra	1	year
Honors Calculus	1	year

ALGEBRA I CONCEPTS

1 credit

Algebra I Concepts provides an introduction to Algebra. Topics covered include: working with real numbers, solving equations, relations and functions, working with proportions, and coordinate graphing. Many teacher-made materials and other supplements are used. Group problem solving sessions and regular homework assignments are important required components of this course.

CP ALGEBRA I

1 credit

CP Algebra I is a standard college prep level Algebra I class. This class will focus on: the language of algebra, working with rational numbers, solving equations, coordinate graphing, systems of equations, factoring, and working with radicals.

GEOMETRY CONCEPTS

1 credit

Prerequisite: Algebra I and II Concepts or teacher recommendation.

Students will use their math skills in hands-on projects and activities to: measure in both standard and metric units, work with shapes in two and three dimensions, use ratios and proportions, work with scale drawings, use right triangle relationships and trigonometric ratios, solve logic problems, and work in coordinate geometry.

CP GEOMETRY

1 credit

Prerequisite: Completion of CP Algebra I with an 80 or higher or teacher recommendation.

CP Geometry will look inductively at investigations and develop conclusions about the geometric shapes in the universe. Topics covered include: angles, lines, polygons, circles, area, perimeter, and volume, and how to solve problems involving geometry. The text for this class is *Glencoe Geometry*.

HONORS GEOMETRY

1 credit

Prerequisite: Completion of CP Algebra I with a 90 or higher and/or teacher recommendation.

Honors Geometry will use inductive reasoning and investigations to develop conclusions about the geometric shapes in the universe. This is a faster-paced class than CP Geometry, requires more logical reasoning, and covers more material. Topics covered will include patterns and functions, angles, lines, polygons, circles, graphing, 3-D shapes, area, perimeter, surface, area, volume, tessellations, “real-world” constructions, and logical proofs using deductive reasoning.

ALGEBRA II CONCEPTS

1 credit

Prerequisite: Algebra I Concepts or teacher recommendation.

Algebra II Concepts continues the study of Algebra. Students are expected to use the skills learned in Algebra I Concepts as they are introduced to linear functions and graphing, inequalities, systems of equations, factoring, quadratic functions, rational equations and radicals.

CP ALGEBRA II**1 credit**

Prerequisite: Completion of CP Algebra I and CP Geometry with an 80 or higher or teacher recommendation.

CP Algebra II will review Algebra I topics, and study the number system, first and second-degree equations, inequalities, exponents, radicals, irrational and imaginary numbers. The text for this class is Glencoe Algebra II. (All students are expected to purchase a graphing calculator for use in their math classes. In upper level courses (Probability and Stats, Pre-Calculus, Honors Pre-Calculus), graphing calculators are essential and will be used throughout the course.)

HONORS ALGEBRA II**1 credit**

Prerequisite: Completion of Honors Geometry with a 90 or higher and/or teacher recommendation.

Honors Algebra II, in addition to the standard topics in CP Algebra II, will emphasize the function concept and an approach that embodies not only the algebraic solution to the problems but also the graphical and numerical approaches as well. This course is a continuation of the preparation for Honors Calculus in the senior year. (All students are expected to purchase a graphing calculator for use in their math classes. In upper level courses (Probability and Stats, Pre-Calculus, Honors Pre-Calculus), graphing calculators are essential and will be used throughout the course.)

CONTEMPORARY MATH**1 credit**

Prerequisite: Completion of Algebra II Concepts or teacher recommendation.

This course is designed to survey and develop an appreciation for mathematical tools that are useful in our contemporary world such as critical thinking, logic, sets, number theory, algebra and formulas, financial management, measurement units and conversions, geometry, statistics and applied problem solving.

COLLEGE ALGEBRA**1 credit**

Prerequisite: Completion of CP Algebra II with a 90 or higher and/or teacher recommendation.

This course covers variable and symbols; scientific notation; logarithms and applications; roots, rational exponents and complex numbers; formulas and literal equations; polynomial, products and factors; solving linear and quadratic functions and inequalities; slope, intercepts, and equations of lines; solving systems of linear equations; and applied problem solving. (Students enrolled in this course will have the opportunity of receiving 3 credits from Southern Maine Community College if a qualified score is achieved on the ACCUPLACER placement exam and a passing grade of C or above for the year in the course.) (All students are expected to purchase a graphing calculator for use in their math classes. In upper level courses (Probability and Stats, Pre-Calculus, Honors Pre-Calculus), graphing calculators are essential and will be used throughout the course.)

HONORS PRE-CALCULUS**1 credit**

Prerequisite: Completion of Honors Algebra II with a 90 or higher and/or teacher recommendation.

This course is designed to add depth to a student's mathematical background before embarking on a study of the methods of calculus. The course covers a review of algebra, linear, and quadratic functions; polynomial, rational, exponential, radical, and logarithmic functions; compositions and inverses of functions; theory of polynomials with the Fundamental Theorem of Algebra; trigonometric functions and identities; additional topics and applications.

PROBABILITY AND STATISTICS**1 credit**

Prerequisite: Completion of CP Algebra II with 85 or higher and/or teacher recommendation.

Probability and Statistics will introduce the nature of classic probability and the calculations of its values, analysis of data distributions, central tendencies, deviation and variance, and a wide range of graphing techniques. (All students are expected to purchase a graphing calculator for use in their math classes. In upper level courses (Probability and Stats, Pre-Calculus, Honors Pre-Calculus), graphing calculators are essential and will be used throughout the course.)

HONORS CALCULUS I**1 credit**

Prerequisite: Completion of Honors Pre-Calculus with a 90 or higher and/or teacher recommendation.

This course is equivalent to one semester of a college calculus curriculum. Studies will include topics of limits, continuity, differential and integral calculus. (All students are expected to purchase a graphing calculator for use in their math classes. In upper level courses (Probability and Stats, Pre-Calculus, Honors Pre-Calculus), graphing calculators are essential and will be used throughout the course.)

MODERN WORLD LANGUAGE DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Novice French Part 1	1	year
Novice French Part 2	1	year
Intermediate French Part 1	1	year
Intermediate French 2	1	year
Novice Spanish Part 1	1	year
Novice Spanish Part 2	1	year
Intermediate Spanish Part 1	1	year
Intermediate Spanish Part 2	1	year
Independent Study in World Language	.50	semester

NOVICE FRENCH PART 1: Grades 9-12 1 credit

This is an introductory course intended for students who have had little or no exposure to the French language. Students will learn to express themselves in French on familiar, highly practiced topics using memorized words, phrases, and simple sentences, emphasizing vocabulary used in tourism industry jobs. They will be able to understand highly predictable, formulaic language, both orally and in writing. The language proficiency goal at the end of this course is novice mid.

NOVICE FRENCH PART 2: Grades 10-12 1 credit

Prerequisite: Successful completion of *Novice French Part 1* and teacher approval

Prerequisite: Successful completion of Novice French Part 1 and teacher approval This course is a continuation of Novice French Part 1. Students will explore cultural topics while building their proficiency in both spoken and written French. Students will become increasingly comfortable expressing themselves in practiced conversations on familiar topics using a wider variety of words, phrases, and simple sentences. They will be able to ask and answer questions about themselves and their immediate environment. They will be able to extract main ideas and occasional details from oral and written texts, and begin to make inferences. The language proficiency goal at the end of this course is novice high.

INTERMEDIATE FRENCH PART 1: Grades 11-12 1 credit

Prerequisite: Successful completion of *Novice French Part 2* and teacher approval

Prerequisite: Successful completion of Novice French Part 2 and teacher approval This course continues to use authentic materials to help students deepen their knowledge of the products, practices, and perspectives of the French-speaking world. Students will view, listen to, and read selections of increasing length and complexity on familiar topics. They will begin to create with the language, using high frequency and personalized vocabulary in strings of sentences. By the end of this course, students should show awareness of, and attempt to communicate using past, present, and future tenses. The language proficiency goal at the end of this course is intermediate low.

INTERMEDIATE FRENCH PART 2: Grade 12 1 credit

Prerequisite: Successful completion of Intermediate French Part 1 and teacher approval

This course is a continuation of Intermediate French Part 1. Students will expand their cultural knowledge through increasingly complex authentic materials. They will begin communicating at the paragraph level, applying previously learned material in novel situations on topics of self, others, and everyday life. Students will apply a variety of comprehension strategies, including analysis of grammatical structures, to interpret meaning. Students at this level are consistently accurate in the present tense and begin to use past and future time frames correctly. They can be understood by native speakers accustomed to interacting with language learners. Successful completion of this course will result in an intermediate mid-level proficiency, which is the graduation standard recommended for Modern and Classical Languages for the State of Maine.

NOVICE SPANISH PART 1:**Grades 9-12****1 credit**

This is an introductory course intended for students who have had little or no exposure to the Spanish language. Students will begin to explore the products, practices and perspectives of the Hispanic world and compare them to those of their own culture. Students will learn to express themselves in Spanish on familiar, highly practiced topics using memorized words, phrases, and simple sentences. They will be able to understand highly predictable, formulaic language, both orally and in writing. The language proficiency goal at the end of this course is novice mid.

NOVICE SPANISH PART 2:**Grades 10-12****1 credit**

Prerequisite: Successful completion of Novice Spanish Part 1 and teacher approval

This course is a continuation of Novice Spanish Part 1. Students will continue to explore cultural topics while building their proficiency in both spoken and written Spanish. Students will become increasingly comfortable expressing themselves in practiced conversations on familiar topics using a wider variety of words, phrases, and simple sentences. They will be able to ask and answer questions about themselves and their immediate environment. They will be able to extract main ideas and occasional details from oral and written texts, and begin to make inferences. The language proficiency goal at the end of this course is novice high.

INTERMEDIATE SPANISH PART 1: Grades 11-12**1 credit**

Prerequisite: Successful completion of Novice Spanish Part 2 and teacher approval

This course continues to use authentic materials to help students deepen their knowledge of the products, practices, and perspectives of the Hispanic world. Students will view, listen to, and read selections of increasing length and complexity on familiar topics. They will begin to create with the language, using high frequency and personalized vocabulary in strings of sentences. By the end of this course, students should show awareness of, and attempt to communicate using past, present, and future tenses. The language proficiency goal at the end of this course is intermediate low.

INTERMEDIATE SPANISH PART 2: Grade 12**1 credit**

Prerequisite: Successful completion of Intermediate Spanish Part 1 and teacher approval

This course is a continuation of Intermediate Spanish Part 1. Students will expand their cultural knowledge through increasingly complex authentic materials. They will begin communicating at the paragraph level, applying previously learned material in novel situations on topics of self, others, and everyday life. Students will apply a variety of comprehension strategies, including analysis of grammatical structures, to interpret meaning. Students at this level are consistently accurate in the present tense and begin to use past and future time frames correctly. They can be understood by native speakers accustomed to interacting with language learners. Successful completion of this course will result in an intermediate mid-level proficiency, which is the graduation standard recommended for Modern and Classical Languages for the State of Maine.

INDEPENDENT STUDY IN WORLD LANGUAGE: Grades 10-12**.50 credit**

Prerequisite: Teacher approval

Students may select one language of study from the twenty five languages offered by Rosetta Stone Language Learning and study that language in a virtual classroom setting. Students may start as beginners or test into one of the five levels offered within each language of study. Students must be self motivated and have a strong desire to study another language.



MUSIC DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Chorus	1	year
Concert Band	1	year
Music Theory I	.50	semester
Music Appreciation and History	.50	semester
Piano Class I	.50	semester
Piano Class II	.50	semester
Music Masterworks	.50	semester
Music of the Cinema	.50	semester

NON CREDIT OFFERINGS: Jazz Lab, Jazz Ensemble, Jazz Choir, Marching Band, Private Lessons

CHORUS

1 credit

Chorus is open to all vocal performers Objectives: The study and performance of high quality choral literature from a wide variety of sources. The use of music performance as a means of enhancing self-awareness, self-confidence, and personal discipline; realizing the satisfaction of commitment to goals and teamwork in achieving those goals. Understanding the beneficial aspects of music on the spiritual side of human nature.

CONCERT BAND

1 credit

Open to all instrumental performers. Objectives: The study and performance of high quality band literature from a wide variety of sources. The use of music performance as a means of enhancing self-awareness, self-confidence, and personal discipline; realizing the satisfaction of commitment to goals and teamwork in achieving those goals. Understanding the beneficial aspects of music on the spiritual side of human nature.

MUSIC THEORY I

.50 credit

Prerequisite: Music experience or permission of instructor.

This course teaches us the basic elements of music in a lab situation. Students learn how to read and write music and understand the primary components of rhythm, melody, and harmony. Basic singing, ear training, and piano skills are also taught.

MUSIC APPRECIATION AND HISTORY – grades 11/12

.50 credit

No previous musical experience required. This course teaches students how to really listen to music to get the greatest understanding of its expressive intent. A survey of the history of western music is done to show its connections with modern day music. Significant time investment will be required for reading assignments and listening to musical examples.

PIANO CLASS I

.50 credit

Learning to read and understand the basic elements of music through a beginning piano curriculum. Done in a lab format.

PIANO CLASS II

.50 credit

Prerequisite: Successful completion of Piano Class I and teacher recommendation.

For those students who wish to explore more advanced study of the piano.

MUSIC MASTERWORKS

.50 credit

This is a listening course open to all students. It is an enrichment program that involves listening to great works of western music over its history and then discussing the artistic and emotional aspects of each work. It teaches students to understand the power of the ear as a sensory organ, and will expose the students to extended works that they might otherwise never hear. Grading is pass/fail and based on participation.

MUSIC OF THE CINEMA: The Sounds that Make Our Movies More Meaningful **.50 credit**

An examination of the history and development of film music. In many ways film music has become the “classical” music of our time. This course will track the evolution of the art form from its earliest days to the present. Students will also have the opportunity to develop a short film scoring project using Garage Band and iMovie. For the student who loves music and the movies!

NON CREDIT MUSIC OFFERINGS

CHAMBER MUSIC

Open to any students interested in a small group work. (By arrangement with instructor).

MARCHING BAND

Always one of the top performing organizations in the State, this ensemble provides students the opportunity to work in a challenging and rewarding medium with many performances. Large time commitment in the fall (mandatory 1 week late August drill camp). Many great times and lasting memories!

JAZZ LAB

This is a beginning level ensemble which is open to interested instrumentalists who wish to participate and learn the jazz idiom outside of the classroom. Rehearsals are after school. This group only forms and operates when there are enough interested players available after the jazz ensemble has been selected.

JAZZ ENSEMBLE

Prerequisite: By Audition

This course is a highly intensive performance-oriented group. Expectations are for an above average commitment to musical performance, and for the development of sophisticated technical and listening skills. This group travels to festivals and competitions, such as the Berklee Jazz Festival, and the district and state Jazz Festivals.

JAZZ Choir

Prerequisite: By Audition

This course is a highly intensive performance-oriented group. Expectations are for an above average commitment to musical performance, and for the development of sophisticated technical and listening skills. This group travels to festivals and competitions, such as the Berklee Jazz Festival, and the district and state Jazz Festivals.



SCIENCE & TECHNOLOGY DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Introduction to Physical Science	1	year
Biology	1	year
Honors Biology	1	year
Physical Science	1	year
CP Chemistry	1	year
AP Chemistry*	1.5	year
CP Physics	1	year
Honors Physics	1	year
AP Biology**	1.5	year
Honors Anatomy and Physiology	1	year
Environmental Science	.50	semester
Forensics	.50	semester
Industrial Design 1	.50	semester
Industrial Design 2	.50	semester
Architecture and Mechanical Computer Aided Design (CAD)	.50	semester
Coding 1	.50	semester
Coding 2	.50	semester
Pre-Engineering/Robotics	.50	semester
Independent Course of Study in Technology/Trades	.50	semester

INTRODUCTION TO PHYSICAL SCIENCE - Grade 9

1 credit

Students will engage in project based learning that asks them to investigate and come up with potential solutions to real world problems while addressing the graduation standards of Physical Science (chemistry and physics). Topics include force and motion, matter and chemical reactions, energy and waves.

BIOLOGY - Grade 10

1 credit

Prerequisite: Introduction to Physical Science

10th grade students will engage in hands-on lab activities that asks them to investigate and come up with potential solutions to real world problems while addressing the graduation standards of Life Science. Topics include heredity, evolution, cells, structure & function, and interdependence.

HONORS BIOLOGY – Grade 9 or 10

1 credit

Prerequisite: Department Recommendation

Open to both high-achieving freshmen and sophomores who wish to prepare themselves for the rigor of Honors & Advanced Placement classes as upperclassmen. Students will engage in hands-on lab activities, science practices and real-world connections. Topics include heredity, evolution, cells, structure & function, and interdependence.

CP CHEMISTRY - Grades 11

1 credit

Prerequisite: Honors or General Biology

This course is designed for the college-bound student. It is an in-depth study of the composition of matter and the changes it undergoes. Topics studied include matter and its properties, atomic theory and structure, chemical bonds, formulas and equations, kinetic theory and the gas laws, quantum mechanics, reaction mechanisms, solutions, and nuclear chemistry. Lab activities, analysis, problem solving, test-taking, and study skills are emphasized.

AP Chemistry – Grade 12

1 credit

Prerequisite: CP Chemistry, Algebra II (or concurrent), department recommendation.

This course is designed to be the equivalent of a general chemistry course usually taken the first year of college. It serves to challenge seniors interested in science, better prepare anyone pursuing a science degree in college and in some cases, enables them to undertake second-year chemistry courses as college freshmen. The curriculum focuses on the six big

ideas - structure of matter, properties of matter, chemical reactions, reaction rates, thermodynamics and equilibrium. A special emphasis will be placed on the seven science practices, which give students the opportunity to engage in authentic skills practiced by scientists in the field. These include laboratory work, writing reports, giving presentations and completing projects. Students are required to take the AP exam in the spring and are responsible for the AP exam fee. There is a reduced fee for “Free/Reduced” lunch recipients. (***This course is offered alternating years with AP Biology.**)

CP PHYSICS - Grade 12

1 credit

Prerequisite: Algebra II or concurrent

CP Physics is designed for seniors with a strong foundation in mathematics and the physical sciences. The format will include lecture/note-taking, problem-solving, and laboratory work. Quantitative skills learned in second year algebra/trigonometry and chemistry will be employed in the problem solving concepts covered. General areas of study will include concepts of mechanics, motion, astronomy, light, sound, energy, magnetism, and electricity.

HONORS PHYSICS – Grade 12

1 credit

Prerequisite: Successful completion of Algebra II and concurrently taking Pre-Calculus or Calculus.

Honors Physics is designed for the college-bound seniors interested in a scientific field. It is an in-depth study of basic energy forms, transformations, and principles. Topics studied include motion, forces, gravitation, momentum, rotational dynamics, electricity, energy and waves. Activities include lab activities, lectures and note taking, projects, presentations, and research.

AP BIOLOGY - Grade 12

1.5 credit

Prerequisite Science Department recommendation only

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. The course is based on four Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. The following are Big Ideas:

1. The process of evolution explains the diversity and unity of life.
 2. Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.
 3. Living systems store, retrieve, transmit, and respond to information essential to life processes.
 4. Biological systems interact, and these systems and their interactions possess complex properties
- (****This course is offered alternating years with AP Chemistry.**)

HONORS ANATOMY AND PHYSIOLOGY - Grade 12

1 credit

Prerequisite: Biology and CP Chemistry concurrently

This course offered to upperclassmen is an in-depth examination of each system of the body, with clinical connections made throughout the course of study. This course is particularly appropriate for students interested in pursuing further study in a medical field or in understanding the human processes. The class consists of note taking, lab work, dissections, group projects and formal assessments.

ENVIRONMENTAL SCIENCE- Grades 11/12

.50 credit

Environmental Science is a curriculum that is designed to introduce upperclassmen to major ecological concepts and the environmental problems that affect the world in which we live. There is an urgent need for environmental education. This course provides one way in which students can become aware of the interactions of people and their environment. The curriculum focuses on concepts that are real-life issues. It promotes awareness and understanding of practical everyday problems that affect their lives. It also relates important environmental issues to the lives of the students and their families.

FORENSICS - Grades 11-12

.50 credit

Prerequisites: Biology concurrently

Forensic science is a multidisciplinary applied science encompassing several sub-fields of biology, chemistry, physics, and crime science investigation. This course focuses on problem solving. Students will evaluate evidence and understand how a crime scene is processed. Students will explore hands on lab investigations on topics including DNA fingerprinting, hair analysis, and blood splatter analysis.

NOTE: For the following courses: This program utilizes performance-based instruction involving performance-based assessments. A systematic observation is performed on the students and assessed accordingly. The students are assigned a complex task or to create a product where they are assessed on both the process and end result of their work.

INDUSTRIAL DESIGN 1 Grades 9-12

.50 credit

This course will introduce students to the Industrial Design Process of creating original projects in a variety of mediums, tools, techniques and processes. The role of an industrial designer is to create and execute design solutions for problems of form, function, usability, physical ergonomics, marketing, brand development, and sales. This course covers the following topics: drawing project plans, the design process, learning proper tool and machinery safety, construction process, and finishing process of completing a project.

INDUSTRIAL DESIGN 2 Grades 9-12

.50 credit

Prerequisite: Industrial Design 1 Students will continue to explore the Industrial Design Process, a process of design applied to products that are to be manufactured through techniques of mass production. This course will continue to cover the following topics: drawing project plans, the design process, learning proper tool and machinery safety, construction process, and finishing process of completing a project. A final project will include designing a project to be mass produced by the whole class.

ARCHITECTURE AND MECHANICAL COMPUTER AIDED DESIGN (CAD)

Grades 9-12

.50 credit

This is a great course for students considering a career in Engineering, Architecture, or Interior Design. Students will explore architectural and mechanical drafting using a CAD program and completing a variety of design projects such as: designing a residential home and drawing a variety of mechanical parts.

CODING 1 – grades 9-12

.50 credit

This is a course where students will learn the fundamentals of writing computer programs using a graphical Windows program by Microsoft call C# programming language. This course is required before taking Coding 2.

CODING 2 - grades 9-12

.50 credit

Prerequisite: Coding 1

This course is a continuation of Coding 1 computer programming where you will also learn about game design, game engines and loops, understanding screen locations, drawing images, handling keyboard, mouse and game pad input and more.

PRE-ENGINEERING/ROBOTICS – grades 9-12

.50 credit

This is a beginners course in the field of Technology and Engineering in robotics. There will be several projects beginning with a robotics research prototype using LEGO Mindstorms in which you are guided step-by- step through the building and programming of a robot. Afterwards, you will follow up with your prototype work with a robotics investigation in which you will experiment with the robot's motors, sensors, and programming to learn how robots really work. You will also be challenged to solve real-world engineering problems using an engineering journal to document progress, conduct research, develop prototypes of potential solutions, select the optimal solution, build, test and improve the design before presenting your solution to the class.

INDEPENDENT COURSE OF STUDY IN TECHNOLOGY/TRADES

Grades 10-12

.50 credit

Prerequisite: Industrial Design 1 & 2

This course will allow further study for students to be problem solvers, innovators, inventors, self-reliant, logical thinkers and technologically literate. Students will apply prior knowledge learned in Industrial Design 1&2 to independently design projects in the following areas: Mechanical/Architectural CAD (Computer Aided Design), Metal and Wood Science, Robotics, Coding, and Community Awareness Outreach projects.

SOCIAL STUDIES DEPARTMENT

<u>Course Title</u>	<u>Credit</u>	<u>Duration</u>
Global Studies	1	year
U.S. History	1	year
AP U.S. History	1	year
Participation in Government	.50	semester
Writing Course	.50	semester
Financial Literacy	.50	semester
War and Diplomacy	.50	semester
History of Disease	.50	semester
Hospitality and Tourism	.50	semester
Introduction to Psychology	.50	semester
Introduction to Anthropology	.50	semester

GLOBAL STUDIES - Grade 9

1 credit

This course introduces students to high school social studies by looking at the relationships between geography, culture, and history. Students will examine major themes in geography and key turning points in world history to better understand how the physical world shapes human experience. Through reading, writing, and project-based learning, students will explore the connections between events and problems of the past and the challenges we face today.

CP US HISTORY - Grade 10/11

1 credit

This is a one-year survey course which focuses on the United States from its pre-colonial time period to 1945. This course attempts to conduct a balanced examination of the United States as a major world power with an understanding of how the country evolved politically, socially, and economically. Towards this end, the course utilizes a number of resources. In addition to the textbook, related works of literature, film, primary resource documents, and the Internet will be used to help enhance student understanding of the historical content.

AP US HISTORY- Grade 11,12

1 credit

This is a one-year course which focuses on the development of historical thinking skills and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. In line with college and university U.S. history survey courses' increased focus on early and recent American history and decreased emphasis on other areas, the AP U.S. History course expands on the history of the Americas from 1491 to 1607 and from 1980 to the present. Students are required to take the AP Exam in May for college credit.

(*You are required to take and pay for the AP Exam in the spring.)

PARTICIPATION IN GOVERNMENT - Grade 12

.50 credit

This semester course takes an in-depth look at the American system of government and how its institutions function. It explores how various factors have changed the scope of the U.S. Constitution. Students will learn the basic values, principles, and ideas that play a vital role in American Society. The course is designed to create a broader knowledge and understanding about the idea of citizenship and how it functions in the American political system.

FINANCIAL LITERACY - Grade 11/12

.50 credit

This course is designed to help all students understand basic economic life skills in our business world. The students will develop a money management plan; keep budget records, use checking accounts and other banking services. They will also complete units on income taxes, being an informed consumer, consumer rights and responsibilities, using credit wisely, and insuring against loss. **(Projected Culinary & Hospitality Pathway Endorsement.)**

WRITING COURSE - Grade 9

.50 credit

This semester course is designed to help incoming students understand the writing process and how it will pertain to social studies classes they take in the future. The students will be introduced to paragraph construction, and both persuasive and argumentative/analytical essays. Emphasis will be placed on scrutiny of the essay question, development of a thesis, and using evidence to support an argument.

Social Studies Electives

All students are required to take at least 1 semester (.5 credit) of social studies electives

Introduction to Psychology- Grade 11/12

.50 credit

This semester course is designed to provide the student with a broad overview of the major theories and topics in the study of human and animal behavior. Emphasis will be placed on the understanding of the basic principles in areas such as personality, learning, consciousness, memory, human development, and mental dysfunction. The question of human behavior as a product of nature (genetics) or nurture (environment) is a continual theme in the course. Contemporary issues and research in the field of Psychology will be integrated into the course throughout the semester. Towards this end, the course utilizes a number of resources. In addition to the textbook, related works of literature, film, primary resource documents, and the Internet will be used to help enhance student understanding of the content.

War and Diplomacy - Grades 11,12

.50 credit

Prerequisite: CP US History or AP US History

This semester course is designed to provide students with an in-depth history of American diplomacy and foreign relations over the course of the 20th century. Students will study how the United States evolved into a world power and the motivations, objectives, successes, and failures of American foreign relations in the 20th century. This course will also identify individuals responsible for shaping American diplomatic history and explain the interaction between domestic politics and foreign policy.

History of Disease- Grade 10-12

.50 credit

Prerequisite: Successful (proficient) completion of Global Studies

Smallpox, cholera, malaria, ebola... Throughout history, some of the most pivotal changes came about from the smallest of enemies-- viruses and bacteria that shaped empires, influenced social hierarchies, and revolutionized technologies and the way we exist in the world. This class will focus on themes of history and geography, overlapping with the medical advancements and challenges of the modern world.

Hospitality & Tourism- Grade 11-12

.50 credit

We're called "Vacationland," and the tourism industry brings in over 5 billion dollars annually to Maine's economy. In fact, hospitality and tourism is one of the fastest growing industries in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. We'll learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. **(Projected Culinary & Hospitality Pathway Endorsement.)**

Introduction to Anthropology – Grades 11,12

.50 credit

This class is designed to explore the study of anthropology. Anthropology is the study of human existence. This course will open students to different fields in anthropology including cultural anthropology, biological anthropology, forensic anthropology, archaeology, and linguistics. Students will learn the goals of anthropologists, explore why anthropologists are needed, and determine how the subject can impact the future.

PATHWAYS PROGRAM

The Old Orchard Beach High School Pathways Program is designed to provide high school students with an alternative to the traditional classroom experience and to encourage them to create personal goals based on individual needs, abilities, and interests. The program offers a safe and supportive environment as it works to strengthen the connections between the teachers, students, school and community.

Pathway students are provided with credit recovery options, individual academic support, career exploration, and experiential learning opportunities. Each student will receive a traditional OOBHS diploma following the successful completion of the program, which may or may not include credits earned through other OOBHS classes.

Perspective applicants must interview and fulfill certain requirements for admission. Interested students should contact their guidance counselor, for more information.

BIDDEFORD REGIONAL CENTER OF TECHNOLOGY

BRCOT provides career and technical education for students from Biddeford, Kennebunk, Old Orchard Beach High Schools and Thornton Academy. Training an educated workforce is key to developing a successful and productive community and economy. Through our career clusters, pathways and programs, we empower students to develop the attributes and skills necessary to become successful citizens, workers and leaders.

BRCOT students have access to a rigorous curriculum, hands-on learning, career pathways, articulated college credit with Maine's postsecondary institutions, national industry certifications, employability skills, safety training and technical preparation. A majority of the graduates continue their training and education while some prefer to enter full time employment.

If you are interested in taking a course at BRCOT please click on the link below to look at their course offerings.

<https://sites.google.com/a/biddefordschooldepartment.org/biddeford-regional-center-of-technology/>

BRCOT Courses:

Accounting I

Accounting II

Auto Body Technology I

Auto Body Technology II

Auto Technology I

Auto Technology II

Business & Financial Management

Business Information Technology

Business Management/Entrepreneurship

Business Technology

Computer Technology

Early Childhood Education

Electrical Technology I

Electrical Technology II

Engineering & Architectural Design

Engineering & Architectural Design Independent Study

Health Assistant/CNA

Heating Technology

Introduction to Medical Sciences

Investing & Personal Finance

Legal Studies

Medical Assisting

Plumbing Technology

Precision Machining I

Precision Machining II

Project Lead the Way: Introduction to Engineering Design

Residential Construction & Remodeling I

Residential Construction & Remodeling II

Welding and Metal Fabrication I

Welding and Metal Fabrication II

SPECIAL EDUCATION SERVICES

The Individual with Disabilities Education Improvement Act of 2004 (IDEA 2004) is a federal law which mandates a free and appropriate public education for students with disabilities. Maine Special Education Regulations define a student with a disability as having one or more of the following disabilities: autism, deaf-blindness, deafness, emotional disturbance, hearing impairment, intellectual disability, multiple disabilities, orthopedic impairment, other health impairment, specific learning disability, speech and language impairment, traumatic brain injury, visual impairment including blindness.

Students with a disability are identified through a referral system and a Individual Education Program (IEP) process. Referrals may be made by parents or teachers who have reason to believe that the student may have a disability which requires special education services. Students may also refer themselves. Parents are notified when a referral has been made, and parental consent is required before any special education evaluation or service is provided.

The Old Orchard Beach Schools provide a continuum of special education placements in order to meet the needs of students with disabilities. Special education services (such as direct instructional services, consultation and monitoring services) are available in conjunction with regular class placements, self contained placements, and tutorial services, including hospital and homebound services.

Supportive services, such as physical therapy and occupational therapy are also available whenever such services are required to assist a student with a disability to benefit from special education services. Academic success, emotional growth and life skills are the focus of the high school special education program, with the goal being a smooth transition from high school to the adult world.

Any questions regarding special education can be directed to your child's special education case manager, the school principal or to the Director of Special Education, located at the Superintendent's Office.

GRADUATION REQUIREMENT CHECKLIST
 OLD ORCHARD BEACH HIGH SCHOOL

Name: _____

Class of: 2018

Parent/Guardian: _____

Contact info: _____

ENGLISH (4)

English I _____

English II _____

English III _____

English IV _____

MATH (3)

Math: _____

Math: _____

Math: _____

Math: _____

SCIENCE (3)

Science: _____

Science: _____

Science: _____

Science: _____

SOCIAL STUDIES(3)

Global Studies _____

US History _____

Part. In Govt. _____

Elective. _____

PE (1) /HEALTH (.50)

Intro to PE I _____

PE elective: _____

Health .50 _____

FINE ARTS (1)/COMPUTER (.50)

Fine Arts .50 _____

Fine Arts .50 _____

Community Service (20 Hrs) _____

Professional Internship 40 Hours (Pilot) _____

ELECTIVES(6)

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

CUMULATIVE CREDITS

Grade 9 _____

Grade 10 _____

Grade 11 _____

Grade 12 _____

CREDITS NEEDED TO
BE PROMOTED

5

11

17

22

DATE OF LAST ENTRY

NOTES:

GRADUATION REQUIREMENT CHECKLIST
 OLD ORCHARD BEACH HIGH SCHOOL

Name: _____

Class of: 2019 and beyond

Parent/Guardian: _____

Contact info: _____

ENGLISH (4)

MATH (3)

SCIENCE (3)

English I _____

Math: _____

Science: _____

English II _____

Math: _____

Science: _____

English III _____

Math: _____

Science: _____

English IV _____

Math: _____

Science: _____

SOCIAL STUDIES(3)

PE (1)/HEALTH (.50)

FINE ARTS (1)/COMPUTER (.50)

Global Studies _____

Intro to PE I _____

Fine Arts .50 _____

US History _____

PE elective: _____

Fine Arts .50 _____

Part in Govt. _____

Health .50 _____

Community Service (20 Hrs) _____

Financial Lit .50 _____

Professional Internship 40 hours (Pilot) _____

ELECTIVES(6)

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

Elective _____

CUMULATIVE CREDITS

CREDITS NEEDED TO
BE PROMOTED

DATE OF LAST ENTRY

Grade 9 _____

5

Grade 10 _____

11

Grade 11 _____

17

Grade 12 _____

22

NOTES:



NOTES