

CURRICULUM AND INSTRUCTION

District Vision, Initiatives,
and
Five Year Curriculum Plan



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Roxbury Public Schools: Five Year Curriculum Plan

2013 - 2018

Supporting student learning, furthering goals, and continuing progress towards development of curriculum and instruction are at the heart of our purpose as administrators, teachers, staff, Board of Education members, parents, and community members in Roxbury. The pages that follow seek to provide an overview for understanding and planning purposes in the area of curriculum and instruction.

Vision Statement:

Our vision is that all district stakeholders will have a clear understanding of how the initiatives in the district work together to achieve long-term goals and how we plan to make strides in the upcoming school year. At any given time, school staff members have a multitude of responsibilities and are balancing everyday tasks, district-wide initiatives, state mandates, personal professional goals, etc. Our expectation is that well-defined long- and short-term goals will allow all staff to focus their energy on key areas while still maintaining an acknowledgement of the overall progress of the district.

The following are the initiatives as they relate to the four domains and expectations in the evaluation of the profession:

<p>Domain 1: Planning and Preparation</p> <ul style="list-style-type: none"> ● UbD ● Lesson Plan Components ● Design and Use of Benchmark Assessments ● Inclusion of Formative and Summative Assessments ● Student Growth Objectives (SGOs) ● Professional Learning Communities (PLC) ● Renaissance 	<p>Domain 2: the Classroom Environment</p> <ul style="list-style-type: none"> ● Teaching in the Extension (HS/MS) ● RTI – In Support of Learning (ISL) ● I&RS (K-4) ● Freshman Seminar ● Schedule Guidelines (K – 4) ● WiFi Districtwide ● ICR & Co-Teaching
<p>Domain 3: Instruction</p> <ul style="list-style-type: none"> ● Broadening of Pedagogy ● Common Core Standards ● Literacy Standards Across the Curriculum ● Small Group Instruction ● Supporting Instruction Through Technology ● Variable Instructional Period (VIP – HS) ● Learning Commons (MS) ● World Language (K – 4) ● Gifted and Talented (K – 4) ● Implementation of Curriculum Rewrites ● TurnItIn.com ● School Choice ● Future Plan: Blended Flipped Classroom 	<p>Domain 4: Professional Responsibilities</p> <ul style="list-style-type: none"> ● Professional Learning Communities ● <i>Teachscape</i>, phase II <ul style="list-style-type: none"> ○ Administration Certified ○ Implementation of Observations ● Training in CurricuPlan – all disciplines

These initiatives are interconnected (aspects of each actually belong to every one of the four domains) and reflect research-based principles of learning:

1. We must begin with the end in mind and center instructional objectives on enduring understandings that foster what our students will know and be able to do. These are reflected in the Common Core State Standards, NJ Core Curriculum Content Standards and 21st Century Standards and are central to our curriculum, instructional design, and assessments.
2. Assessment is a critical part of the learning process. Students must become adept at self-assessment, and teachers must analyze regularly formative and summative assessment, engaging in professional dialogue through Professional Learning Communities (PLCs) and Student Growth Objectives (SGOs) analysis in order to modify and enhance instruction.
3. We must broaden and enhance pedagogy to address student readiness, interest, and learning profile.
4. Our professional evaluation model fosters both accountability and teacher growth. Our teaching evaluation model delineates expectations of professional practice for our educators while PLCs and SGOs offer opportunities for self-evaluation and analysis of student learning.

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**Elementary Curriculum
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English Language Arts Literacy, K - 6

Overview

Roxbury has adopted a balanced literacy approach, inclusive of Guided Reading, Independent Reading, Direct Instruction, Reading Workshop, and Writing Workshop. The ELA curriculum is supported by either *Literacy by Design* or the Pilot Reading Workshop Units of Study in grades K-4. Grade 5 and 6 follow a Reading Writing Workshop approach for ELA. The district’s foundation for Writing Workshop instruction is the Writing Fundamental Units of Study along with *Collins* and *6 Traits* techniques incorporated. The Fountas & Pinnell benchmark assessment system, Renaissance STAR, along with writing samples are used in grades K-6 to track student growth and drive instruction.

Courses

Course	Grade	Last curriculum revision	Last textbook/ program adoption
Language Arts	K	2011/Pilot 2013	2010/Pilot 2013
Language Arts	1-2	2011/Pilot 2013	2010/Pilot 2013
Language Arts	3-4	2011/Pilot 2013	2010/Pilot 2013
Language Arts	5-6	2013	2012

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	<p>Curriculum Writing: Assess and adjust curriculum to meet the rigor of the CCSS (Stage 2 UbD)</p> <p>Supplies and Subscriptions: Reading Workshop Pilot K-4</p> <p>Professional Development:</p> <ul style="list-style-type: none"> • Grade Level Welcome Back Pull Out Day <ul style="list-style-type: none"> ○ CCSS Digging Deeper ○ K-4 Writing Workshop Phase 2 ○ 5-6 Refining Reading Writing Workshop Best Practices & Teaching SS content through an ELA lens • Winter In-service: <ul style="list-style-type: none"> ○ K-4 Training in Reading Workshop (In House/Pilot Team) ○ 5-6 Reading Writing Workshop (In house) ○ K-2 Reading Workshop Training for those not in the pilot. • Summer 2013 <ul style="list-style-type: none"> ○ Final Training for K-2 Reading Workshop teachers

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	that were not in the pilot.
2014-2015	<p>Curriculum Writing: Assess and adjust curriculum to meet the rigor of the CCSS (Stage 3 UbD)</p> <p>Supplies and Subscriptions: Implement Reading Workshop K-2</p> <ul style="list-style-type: none"> • Classroom Libraries • Units of Study <p>Professional Development:</p> <ul style="list-style-type: none"> • Grade Level Welcome Back Pull Out Day <ul style="list-style-type: none"> ○ CCSS-The Finer Points ○ Prepare for PARCC ○ Curricuplan shifts • Fall In-service: <ul style="list-style-type: none"> ○ K-6 ELA (Out of district trainer) • Winter In-service: <ul style="list-style-type: none"> ○ K-6 ELA (Out of district trainer) ○ 3-4 Reading Workshop Training for those not in the pilot • Summer 2014 <ul style="list-style-type: none"> ○ Final Training for 3-4 Reading Workshop teachers that were not in the pilot.
2015-2016	<p>Curriculum Writing: Assess and adjust curriculum to meet the rigor of the CCSS</p> <p>Supplies and Subscriptions: Implement Reading Workshop 3-4</p> <ul style="list-style-type: none"> • Classroom Libraries • Units of Study <p>Professional Development:</p> <ul style="list-style-type: none"> • Grade Level Welcome Back Pull Out Day <ul style="list-style-type: none"> ○ The CCSS Workshop Model Connection ○ PARCC Test Info ○ Curricuplan shifts • Further PD will be based upon data from the PARCC assessment
2016-2017	<p>Curriculum Writing: Assess and adjust curriculum to meet the rigor of the CCSS with a focus on Writing Units of Study to support Reading Units of Study K-4</p> <p>Supplies and Subscriptions:</p> <ul style="list-style-type: none"> • Writing Units of Study to mirror Reading Units of Study <p>Professional Development:</p> <ul style="list-style-type: none"> • Grade Level Welcome Back Pull Out Day <ul style="list-style-type: none"> ○ The CCSS Workshop Model Connection ○ PARCC Test Info ○ Curricuplan shifts • Further PD will be based upon data from the PARCC

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	assessment.
2017-2018	<p>Curriculum Writing: Assess and adjust curriculum to meet the rigor of the CCSS with a specific focus on the content areas</p> <p>Professional Development:</p> <ul style="list-style-type: none">• Grade Level Welcome Back Pull Out Day<ul style="list-style-type: none">○ The CCSS Workshop Model Connection○ PARCC Test Info○ Curricuplan shifts • Further PD will be based upon data from the PARCC assessment.

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Mathematics, K - 6

Overview

As Roxbury supports the full implementation of the Common Core State Standards in Mathematics, a shift in the teaching and learning of mathematics K-6 will take place. The emphasis becomes the proficiency of key topics at each grade level, and the recognition that mathematical understanding and procedural skills are equally as important in the development of mathematical learning. A math workshop model, consisting of whole group instruction, small group instruction, and work stations where students interact with one another to build their problem solving skill and mathematical thinking, will be the methods used to deliver instruction. Technology will be infused throughout the curriculum.

Courses

Course	Grade	Last curriculum revision	Last textbook/program adoption
Mathematics	K-2	2012	2013
Mathematics	3-4	2012	2002
Mathematics	5	2012	2006
Mathematics	6	2013	2013

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	<ul style="list-style-type: none">▪ K-5 curriculum revision (CCSS)▪ K-2 implementation of “Math in Focus” Program▪ 6th Grade Text Adoption▪ 6th Grade New Course (CCSS)▪ Continued PD for K-2 (New Program)▪ Initial PD for 3-5 (New Program)▪ Gizmos/Reflex Training (Grade 5/6)
2014-2015	<ul style="list-style-type: none">▪ 3-5 implementation of “Math in Focus” Program▪ Continued PD for 3-5 (New Program)▪ Continue alignment with CCSS
2015-2016	<ul style="list-style-type: none">▪ Review/research technology program to supplement instruction (K-4)▪ Develop sample lesson plans, resources, and assessment items as exemplars.
2016-2017	<ul style="list-style-type: none">▪ Adopt a technology program to supplement curriculum (K-4)▪ Continue to assess and adjust curriculum
2017-2018	<ul style="list-style-type: none">▪ Continue to assess and adjust curriculum

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Science, K - 6

Overview

The K-6 science program in Roxbury consists of units that correspond to the NJ Core Content Curriculum Standards. The curriculum is inquiry-based and is taught using a combination of hands-on experiences and the integration of literature through *Literacy by Design* and/or Nonfiction Units of Study.

Courses

Course	Grade	Last curriculum revision	Last textbook/ program adoption
Science	K-2	2011	2002
Science	3-4	2011	2003
Science	5	2011	2008
Science	6	2011	2002

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	<ul style="list-style-type: none">Curriculum Rewrite with anticipated adoption of Next Generation Science Standards (NGSS)Begin to align curriculum to NGSSResearch program that align and support curriculum and standardsEmbedded PD on new standards
2014-2015	<ul style="list-style-type: none">Curriculum Rewrite with anticipated adoption of the NGSSContinue to align curriculum to NGSSEmbedded PD to unpack new standardsPilot of a new science program/text (K-6)Specific PD for Pilot teamFull evaluation and critique of Pilot Program
2015-2016	<ul style="list-style-type: none">Adopt new science program/text (4-6)PD to implement programRevision of curriculumAlignment of Program with curriculum and NGSS
2016-2017	<ul style="list-style-type: none">Adopt new science program/text (K-3)Revision of curriculumContinued evaluation and PD for implementation of new science program.
2017-2018	<ul style="list-style-type: none">Continue to assess/adjust curriculum

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Social Studies, K – 6

Overview:

The K-6 social studies program in Roxbury consists of units that correspond to the NJ Core Content Curriculum Standards. The curriculum is supported by the Scott Foresman and Nystrom series, as well as integrated in ELA through LbD literature, as well as the Reading Workshop pilot texts. As the Common Core State Standards are implemented in ELA and Math, a more authentic social studies approach is being investigated to meet the CCSS Literacy Standards across the content areas. The philosophy of the Common Core State Standards must be infused with technology-based programs to align and meld to the Social Studies NJCCCS, becoming common practice within the classroom.

Courses

Course	Grade	Last curriculum revision	Last textbook/ program adoption
Social Studies	K-2	2013	2003/Pilot 2013
Social Studies	3-4	2013	2003/Pilot 2013
Social Studies	5	2011	2003
Social Studies	6	2011	2002

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	Develop curriculum units to reflect the CCSS. Pilot CCSS aligned K-4 SS Units Supplies and Subscriptions
2014-2015	Develop curriculum units to reflect the rigor of the CCSS. Implement CCSS aligned K-2 SS Units Pilot CCSS aligned Gr. 5 SS Units Supplies and Subscriptions
2015-2016	Assess and adjust curriculum Implement CCSS aligned 3-5 SS Units Supplies and Subscriptions
2016-2017	Assess and adjust curriculum Implement CCSS aligned K-6 SS Units Supplies and Subscriptions
2017-2018	Assess and adjust curriculum Implement CCSS aligned K-6 SS Units Supplies and Subscriptions

World Languages, Grades 1- 6

Overview:

The program in the Elementary World Language Department is designed to meet the various needs of our students in an effort to prepare the children of today for tomorrow. In compliance with the New Jersey Department of Education, the Roxbury School District grades 1-6 program does meet the Core Curriculum Content Standards. We encourage students to pursue the study of World Languages to become more equipped for our constantly changing world. As technology, communication, and business internationalize many aspects of our lives, mastering a second language has become an increasingly valuable skill. At this level, we focus on learning about the culture, communities, connections, comparisons, and most importantly, learning how to communicate in the target language. This is an exploratory process of learning about the language while providing various learning experiences that challenge learners with opportunities to explore and learn collaboratively.

Course	Grade	Textbook	Last curriculum revision	Last textbook adoption
Elementary Spanish (Grades 1-4)	1-4	Risas y Sonrisas (materials)	N/A	2013-2014
Grade 5 Spanish	5	- Realidades A - Grade 5 Workbook	N/A	2013-2014
Grade 6 Spanish	6	- Realidades A - Grade 6 Workbook	N/A	2013-2014

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	(completed revisions and New Courses)
2014-2015	- Elementary Spanish (Grades 1-4) - Grade 5 Spanish - Grade 6 Spanish
2015-2016	
2016-2017	- Materials Grades 1-4 - Materials Grades 5-6
2017-2018	Calibration of Curriculum

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Art, K - 6

Overview

Man is born with a bent toward creativity and responsiveness to harmony and order (beauty). The purpose of all art education, and elementary art in particular, is to surface and develop both of these traits within an individual as much as possible. Consequently, there are four areas to be addressed:

1. Defining art by coming to understand the structures and ideas within it.
2. Identifying how people use these structures in their own unique way to express themselves as they make similar or different kinds of art.
3. Comparing these differences throughout time and across cultures.
4. Making art.

By its very nature, elementary art is foundational, with the twin goals of exposure and accessibility. For most children, it is expected that this will be their first exposure to these materials and ideas, and that is an educational experience in itself. The second goal is to present these things in an accessible way to promote enthusiasm and equip them for a lifetime of appreciation and expression. By the end of sixth grade, students should have an understanding of the components of art, how to discuss art (their own and the art of others, and that of famous artists) in the context of these components, and have experiences making art in the arenas of ceramics, printmaking, graphics, painting, crafts, and textiles.

Courses

Course	Grade	Textbook	Last curriculum revision	Last textbook adoption
Art	K	N/A	2013	N/A
Art	1	N/A	2013	N/A
Art	2	N/A	2013	N/A
Art	3	N/A	2013	N/A
Art	4	N/A	2013	N/A
Art	5	N/A	2013	N/A
Art	6	N/A	2013	N/A

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	K - 6
2014-2015	Calibration of Curriculum
2015-2016	
2016-2017	
2017-2018	

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Music, K - 6

Overview

The expectation of the New Jersey arts standards is that all students communicate at a basic level in each of the arts disciplines by fifth grade. A study of the arts allows students to create, reshape, and fully participate in the quality of life. Through the music curriculum students will learn essential skills and abilities significant to many aspects of life and work in the 21st century.

Courses

Course	Grade	Last curriculum revision	Last textbook/ program adoption
Music	K-2	2013	2002
Music	3-4	2013	2003
Music	5	2013	2008
Music	6	2013	2002

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	▪ K – 6
2014-2015	Calibration of the Curriculum
2015-2016	
2016-2017	
2017-2018	

Physical Education, K - 6

Overview

The goal of Elementary Physical Education is to provide students with the skills, knowledge, confidence and attitudes necessary for a lifetime appreciation of physical fitness and participation in physical activities. Elementary Physical Education promotes physical, mental, emotional and social growth. The students will acquire content knowledge and make connections between physical education, health and other aspects of social life. In grades K-2, students learn fundamental motor and manipulative skills while growing in appreciation for total fitness. While continuing to learn motor and manipulative skills, grades 3-6 focuses on teamwork, sportsmanship, problem solving and personal fitness. Individual sports will also be taught to lead students to a lifetime appreciation of physical activity. Initiative problems, adventure games and trust activities will continue to address the district’s mission to curtail bullying.

To accomplish these goals, instruction will be individualized to facilitate differences in physical, mental and emotional development. Individuals who are actively involved will usually be more at ease socially and reflect more self-confidence. The Roxbury Physical Education Department will provide a safe and positive learning environment in which all students achieve personal success. Elementary Physical Education, in conjunction with other areas of the elementary curriculum can be an effective approach to preparing children to lead fulfilling and productive lives.

Courses

Course	Grade	Last curriculum revision	Last textbook/ program adoption
Physical Education	K - 6	2005	N/A

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	Physical Education Curriculum
2014-2015	Calibration of the Curriculum
2015-2016	
2016-2017	
2017-2018	

**Secondary Curriculum
Five Year Plan**

English Language Arts Literacy, 7-12

Overview

English Language Arts Literacy in grades 7 – 12 continues the spiral-type curriculum towards effective communication and independent skill and analysis in reading, writing, speaking, listening, and language. The curriculum is guided by the Common Core State Standards for English Language Arts and Literacy and is designed thematically in grades 7 – 9 and chronologically with thematic threads in grades 10 - 12. Benchmarks in grades 7 – 9 center on reading and writing skills and are a component of the placement matrix. The writing process is employed to create expository, comparison/contrast, narrative, persuasive, and research-based pieces of writing. Collins Writing is incorporated in daily writing assignments. Grammar is infused in teaching the logic of language and centered on creating writing that is nuanced and purposeful. A specific scope and sequence identifies the introduction, practice, mastery, and review of grammatical concepts. *Vocabulary Workshop* serves as a foundation for vocabulary enhancement with a focus on learning a minimum of 140 words per year. Word walls serve to reinforce that goal. Additional vocabulary is studied through literary analysis as students examine the impact of diction and evaluate meaning and tone. Students read both literature (stories, dramas, and poems) and informational (non-fiction) texts. Core novels as well as ancillary and literature circle novels provide reading experiences rich in both the canon and contemporary works. Analysis, determining meaning, drawing comparisons and contrasts, exploring the function, use and style of literary elements, such as point of view, plot, setting, characterization, theme, etc. are aligned with Common Core expectations. Writing is also fused with literary and informational reading as students cite and explain texts at both explicit and inferential levels, cite textual evidence to support argument, analyze and evaluate effectiveness of structure, and analyze the impact of style. Speaking and listening skills are demonstrated and assessed in tasks such as presentations, Socratic circles, and literature circles. The curricula of grades 7 – 12 in English Language Arts present a comprehensive educational experience in effective communication and interpretation.

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Courses

Course	Grade	Textbook
Language Arts	7	EMC Windows & Mirrors
Language Arts	8	Prentice Hall Literature 8 th grade Silver Edition
English I H	9	Prentice Hall Literature Timeless Voices, Timeless Themes (Green – Old Man and the Sea)
English I A	9	Holt, Reinhart, and Winston Elements of Literature 3 rd Course (Blue – Poseidon)
English I B	9	McDougal Littell The Language of Literature (Orange – Bird & Canoe)
English HSPA Prep I	9	No textbook. Various resources.
English II H	10	Holt McDougal American Literature (Common Core Edition)
English II A	10	Holt McDougal American Literature (Common Core Edition)
English II B	10	Holt McDougal American Literature
English HSPA Prep II	10	No textbook. Various resources.
English III H	11	Prentice Hall Literature Timeless Voices, Timeless Themes The British Tradition

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English III A	11	Holt, Rinehart, & Winston Elements on Literature 6 th Course Literature of Britain with World Classics
English III B	11	McDougal Littell The Language of Literature British Literature
English HSPA Prep III	11	No textbook. Various resources.
English IV AP	12	The Norton Anthology World Literature Vol. 1 & 2
English IV A	12	Holt, Rinehart, & Winston World Literature
English IV B	12	McDougal Littell The Language of Literature World Literature
English HSPA Prep IV	12	No textbook. Various resources.
Creative Writing	9-12	No textbook. Various resources.
Journalism I	9-11	Journalism Matters National Textbook Company Schaffer, McCutcheon, Stofer
Journalism II	10-12	Journalism Matters National Textbook Company Schaffer, McCutcheon, Stofer
Mass Media	9-12	N/A
Introduction to TV	10-12	Teaching TV Production in a Digital World Integrating Media Literacy
TV Pro II	11-12	N/A
TV Pro II Special	11-12	N/A
ESL – EMS	7-8	Various Resources, such as Know It All Book 1 & 2; Readings/Activities Workbook; Grammar Practice Workbooks
ESL – RHS	9-12	Various Resources, such as Conflicts Book, At the Door (a selection of short stories), World Anthology textbook; Grammar Sense 3 Book
Popular Culture	10 - 12	Mix It Up: Popular Culture, Mass Media, and Society

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Sports Literature	9 - 12	Various Resources, such as sports-genre novels, Sports Illustrated, etc.
Screenwriting	10 - 12	Wired for Story by Lisa Cron.
New Jersey Literature	10 - 12	A New Jersey Anthology, edited by Maxine N. Lurie
The Graphic Novel	11 - 12	Scott McCloud's Understanding Comics, as well as various graphic novels

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision	Materials Adoption
2013-2014	English Electives, AP English (Literature & Language)	Elective Resources 8 th Grade Textbooks
2014-2015	ESL	AP Textbooks / Development of Program
2015-2016	English 7 & 8	English III Textbooks / Development of Program
2016-2017	English I, English II	English I Anthologies
2017-2018	English III, English IV	English IV Anthologies

Mathematics, 7-12

Overview

The Common Core State Standards for mathematics are in full implementation in grades 7-12. The 2013-2014 school year is the first year for implementation of the Common Core in grades 7 and 8 and the second year for grades 9-12. Grades 7-8 will deepen their understanding of the Common Core Standards, developing lessons, activities and assessments within the framework of their new curriculum while bridging gaps as students transition from the Core Curriculum Content Standards to the more rigorous learning expectations of the Common Core State Standards.

Grades 9-12 will initiate revisions and additions to the initial map and curriculum having achieved a stronger understanding of the Common Core Standards and the Math Practices. Efforts will focus on preparation for the PARCC assessments.

In preparation for the development of curriculum beyond the core high school math courses (Algebra I, Geometry, Algebra II), teachers will develop a learning progression map reflecting the impact of the Common Core Math Courses on the curriculum of foundational and advanced courses.

Courses

Course	Grade	Textbook
Math 7	7	Mathematics Common Core Gr 7 Holt McDougal
PreAlgebra 7	7	PreAlgebra Holt McDougal
PreAlgebra 8	8	Mathematics Common Core Gr 8 Holt McDougal
Algebra I	8	Algebra I Common Core
Intro to Algebra	9-12	Pre-Algebra McDougal Littell
Algebra I A,B,C	9-12	Algebra I Holt McDougal
Geometry Honors	9-12	Geometry for Enjoyment and Challenge McDougal

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		Littell/Houghton Mifflin
Geometry A,B	9-12	Geometry McDougal Littell
Geometry C	9-12	Geometry Concepts and Skills McDougal Littell
Algebra II Honors	9-12	Algebra 2 McDougal Littell
Algebra II A,B	9-12	Algebra 2 Holt McDougal
Algebra II C	9-12	Algebra 2 Concepts and Skills
Adv Algebra & Trig	11-12	Algebra and Trig 2 nd Edition Houghton Mifflin
PreCalculus H	11-12	PreCalculus with Limits 5 th Edition Houghton Mifflin
PreCalculus	11-12	PreCalculus with Limits 5 th Edition Houghton Mifflin
College Prep Math	12	Intermediate Algebra with Applications 7 th Edition
Calculus	12	Calculus of a Single Variable 8 th Edition Houghton Mifflin
Intro to Prob & Stat	11-12	Statistics Through Application W.H. Freeman
AP Statistics	11-12	Introduction to Statistics and Data Analysis Thompson/Brooks/Cole

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AP Calculus AB	12	Calculus of a Single Variable 8 th Edition Houghton Mifflin
AP Calculus BC	12	Calculus of a Single Variable 8 th Edition Houghton Mifflin
Intro to Computer Science I	9-12	Microsoft Visual Basic Centage Learning
Intro to Computer Science II	9-12	Microsoft Visual Basic Centage Learning
AP Computer Science	11-12	Java Concepts AP Edition Wiley Barron's AP Computer Science A
Math HSPA Prep I	9	N/A
Math HSPA Prep II	10	N/A
Math HSPA Prep III	11	N/A
Math HSPA Prep IV	12	N/A

*Up- to-date resource materials are used in HSPA Prep classes. Materials are selected based on each student's intervention needs as outlined in their educational proficiency plan.

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School Year	Curriculum Revision/Materials Adoption
2012-2013	<p>9-12: Development of lessons, resources, and assessments in support of new curriculum. Analysis of impact of new curriculum and standards on the structure and curriculum of advanced courses. Textbook adoption Algebra I</p> <p>7-8: Curriculum development Textbook adoption Gr. 7 PreAlgebra and Gr. 8 Algebra I</p>
2013-2014	<p>9-12: Curriculum development advanced courses. Textbook evaluation Textbook adoption: Intro to Statistics and AP Statistics, Intro to Algebra, College Prep Math Resource materials as determined by textbook review.</p> <p>7-12: Curriculum review calibration Common Core Selection of Resource materials</p>
2014-2015	<p>9-12: Curriculum development and review Computer Science courses Textbook adoption: Computer Science courses, Algebra II Honors</p> <p>7-8: Curriculum and assessment development. Selection of support resources</p>
2015-2016	<p>9-12: Elective textbook review. Analysis of math scope and sequence Textbook adoption: Adv Algebra Trig and PreCalculus</p> <p>7-8: Curriculum and materials evaluation Resource materials</p>
2016-2017	<p>9-12 Review and revision of Calculus curriculum Textbook adoption: AP Calculus AB and BC Calculus, Calculus New course development</p>
2017-2018	<p>9-12 Curriculum, course and learning progression evaluation as indicated by PARCC assessment results Textbook Review and evaluation Resource materials as needed across the grade levels</p>

Science, 7-12

Overview

In anticipation of the adoption of the Next Generation Science Standards that are currently under review by the state of New Jersey, the science program is focused on preparing for the adoption of the new standards and on strengthening and developing the AP science program as the College Board redesigns each course and curriculum. Emphasis has been on increasing the use of technology and modeling real life lab experiences through the use of high tech equipment.

Current instruction is driven by the 2009 science standards with the inclusion of the Literacy standards from the Common Core. Implementation of the Literacy standards includes the development of content specific vocabulary and reading and writing in the content area. All Biology students are required to take the New Jersey Biology Competency Test (NJBCT) accounting for the focus on Biology curriculum and resources. Courses, curriculum and resources will have to be evaluated when new science standards are adopted. Considerable changes were made to the AP Biology and AP Chemistry curriculum by the College Board. In response to these changes new curriculum has been written and resources obtained.

Courses

Course	Grade	Textbook
Science 7	7	Life Science Prentice Hall
Science 8	8	Physical Science Holt, Rinehart, Winston
GeoPhysical Science Honors	9-10	Earth Science Prentice Hall
GeoPhysical Science A	9-10	Earth Science Glencoe
GeoPhysical Science B	9-10	Earth Science Prentice Hall
Biology Honors	9-10	Biology Thompson/Brooks Cole Learning
Biology A	9-10	Biology Holt/McDougal

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Biology B	9-10	Biology Miller/Levine Prentice Hall
Chemistry Honors	10-12	Chemistry McDougal Littell
Chemistry A	10-12	Chemistry Glencoe
Chemistry B	10-12	Chemistry Prentice Hall
Physics Honors	11-12	Physics Prentice Hall
Physics A	11-12	Physics Holt
Physics B	11-12	Physics Thompson/Brooks/Cole
Intro to Chem/Physics	11-12	Physical Science Glencoe
Anatomy and Physiology Honors	11-12	Principles of Anatomy and Physiology McGraw Hill Glencoe
Anatomy and Physiology A	11-12	Principles of Anatomy and Physiology McGraw Hill Glencoe
AP Environmental Science	12	Environmental Science Peoples/Wiley
Environmental Science	12	Environmental Science Holt
AP Biology	11-12	Biology Pearson
AP Chemistry	11-12	Chemistry 9 th Ed McDougal/Littell
AP Physics	12	Physics Prentice Hall

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Physics and Tech	12	No Textbook Activity Based Resources

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2012-2013	9-12: AP Biology curriculum AP Biology resources and materials Physics & Tech curriculum development Physics & Tech resources and materials Internet resources: Science 3D Animations and Virtual Labs License
2013-2014	7-12: Science Scope and Sequence analysis and redesign Curriculum and textbook review (new standards when adopted) 9-12: Elective course adoption Curriculum development Textbooks and resources
2014-2015	7-8: Curriculum development, program adoption Gr 7 STEM resources and training 9-12: Curriculum development Physics, GeoPhysical Science Physics textbook adoption Elective curriculum development
2015-2016	7-8: Program development adoption STEM Gr 8 9-12: Curriculum development Chemistry Chemistry and Intro to Chem and Physics textbook adoption
2016-2017	7-8: STEM resources 9-12: Elective curriculum evaluation Curriculum development
2017-2018	7-8: STEM evaluation Resources 9-12: Technology resources

Social Studies, 7-12

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Overview

The courses in the Social Studies Department are designed to meet the needs of our students as they prepare for further education or a career of choice. In compliance with the New Jersey State Department of Education, Roxbury High School requires three years of Social Studies instruction. In order to meet these requirements, Roxbury High School offers World History in seventh (a study of ancient history to 1000 C.E.), eighth (focuses on 1000 C.E. to 1450 C.E.), and ninth grade (examines 1400s to modern day), and United States History I and II in the sophomore and junior years. All curricula of required courses are guided by the New Jersey Common Core Standards and the Common Core Literacy Standards for History. All freshmen enroll in World History classes. The course evaluates the development of political institutions, economic trends, cultural change, and armed conflict, as well as their impact on contemporary interdependence. Instruction focuses on the development of the skills sets introduced in middle school: geography skills, reading comprehension, content knowledge and writing. To this end a variety of instructional tools are utilized, such as the analysis and discussion of primary source readings, political cartoons, Socratic Circles, map work, videos and guest speakers. In addition, a research paper is required for every grade at the high school level. Students must take the required Social Studies courses each year for graduation. Course assignment is determined by the students' scores on the ninth grade placement rubric and, in the high school years, by GPA and teacher recommendation.

Courses

Course	Grade	Textbook
Social Studies	7	World History Ancient Civilization through the Renaissance Holt McDougal
Social Studies	8	World History Holt McDougal
World History H	9	World History 5 th Edition
World History A	9	Modern World History Patterns of Interaction Holt, McDougal
World History B	9	Modern World History: Patterns of Interaction (see World History A)

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US History I H	10	American Pageant 15 th Edition & American Spirit
US History I A	10	United States History NJ edition
US History I B	10	The Americans
AP US History II	11	American Pageant 15 th Edition & American Spirit
US History II A	11	United States History NJ ed.
US History II B	11	The Americans
Political & Legal Studies	9-12	Street Law
Contemporary World Issues	10-12	NY Times Upfront Magazine
Anthropology	9-12	The Exploration of Human Diversity 11 th ed.
AP Psychology	11-12	Psychology: Themes & Variations
AP European History	11-12	Western Civilization
Human Behavior	11-12	Thinking About Psychology
Ethical Studies	11-12	Various periodicals
The Vietnam Era	11-12	The Lessons of the Vietnam War

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Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	World History IB US IH & AP US II
2014-2015	World History Honors Human Behavior
2015-2016	US I Honors World History A & B
2016-2017	US I A US II A
2017 – 2018	Social Studies: 7 th grade / 8 th grade

World Languages Grades 7-12

Overview:

The courses in the World Language Department are designed to meet the various needs of our students in an effort to prepare the children of today for tomorrow. In compliance with the New Jersey Department of Education, Roxbury High School requires one year of World Language instruction. We encourage students to pursue the study of World Languages to become more equipped for our constantly changing world. As technology, communication, and business internationalize many aspects of our lives, mastering a second language has become an increasingly valuable skill.

At Roxbury High School a student may elect to study French and/or Spanish. It is our hope to increase the scope and selection of languages offered within the next few years. A four-year sequence is available in grades 9-12 for both the languages currently offered. Instruction focuses on developing a collaborative and communicative approach to learning. Our focus is to encourage students to be active participants in their learning process by providing authentic and valuable learning experiences that foster the skills necessary to not only learn a language, but to also prepare students for life.

Courses:

Course	Grade	Textbook
Grade 7 Spanish	7	Realidades 2011 A
Grade 8 Spanish	8	Realidades 2011 B
Spanish Communication & Culture	9-12	Exploring Spanish
Spanish 1A	9-12	Realidades 2011 (1)
Spanish 1B	9-12	Realidades 2011 (1)
Spanish 2A	9-12	Realidades 2011 (2)
Spanish 2B	9-12	Realidades 2011 (1)
Spanish 2 Honors	9-12	Realidades 2011 (2)
Spanish 3A	10-12	Realidades 2011 (3)
Spanish 3B	10-12	Realidades 2011 (2)
Spanish 3 Honors	10-12	Realidades 2011 (3)
Spanish 4A	11-12	- AMSCO 3 - Tesoro Literario
Spanish 4 Honors	11-12	- AMSCO 3 - Tesoro Literario
Spanish 4 AP	11-12	- TEMAS - AP Spanish Exam Preparation
French 1A	9-12	Discovering French Bleu (Nouveau)
French 2A	9-12	Discovering French Blanc (Nouveau)
French 2 Honors	9-12	Discovering French

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		Blanc (Nouveau)
French 3A	10-12	Discovering French Rouge (Euro)
French 3 Honors	10-12	Discovering French Rouge (Euro)
French 4 Honors	10-12	-Discovering French Rouge (Euro) - AMSCO 3
French 4 AP	11-12	AP French: Preparing for the Language Examination -Une Fois Pour Toutes

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	(completed revisions and New Courses)
2014-2015	<ul style="list-style-type: none"> - French 1A - French 2A - French 2 Honors - AP Spanish - Textbook Adoption: French 1A, 2A and 2
2015-2016	<ul style="list-style-type: none"> - French 4 Honors - AP French - New Course (Italian 1, Mandarin 1, etc...) Curriculum Writing and Textbook Adoption)
2016-2017	<ul style="list-style-type: none"> - Spanish Communication & Culture - Spanish 1A - Spanish 2A - Textbook Adoption: Spanish 1A and 2A Grades 7 and 8 Spanish
2017-2018	<ul style="list-style-type: none"> - Spanish 1B - Spanish 2B - Spanish 3A - Spanish 3 Honors - Textbook Adoption: Spanish 1B, 2B, 3A, 3H

Performing Arts

Overview

The arts enable personal, intellectual, social, economic and human growth by fostering creativity and providing opportunities for expression beyond the limits of language. We continue to infuse technology and 21st Century skills into our courses in ways that enable student growth. Our curriculum is based on the 2009 New Jersey Visual and Performing Arts standards

Courses

Course	Grade
Choral Courses	4-12
Band Courses	5-12
Dance Courses	9-12
String Courses	5-12
Basic Music Theory	9-12
AP Music Theory	9-12
Broadway Theatre Class	9-12

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	<ul style="list-style-type: none">▪ Broadway Theatre▪ Basic Music Theory▪ General Music 7-8
2014-2015	<ul style="list-style-type: none">▪ Choral Classes▪ String Classes▪ AP Music Theory
2015-2016	<ul style="list-style-type: none">▪ Dance Courses▪ Band Courses
2016-2017	<ul style="list-style-type: none">▪ General Music K - 4
2017-2018	<ul style="list-style-type: none">▪ General Music 5-7▪ Basic Music Theory▪ Broadway Theatre

Visual Arts

Overview

The Visual Arts teachers share the philosophy of Discipline Based Art Education which includes History, Aesthetics, Criticism, and Production. This approach affords our art students a strong problem solving and analytic experience which directly relates to and reinforces the core disciplines of mathematics, language, history, and psychology. Students are guided and challenged in the art room to apply critical thinking skills: decision making, problem solving, and the ability to work independently. Divergent thinking skills: curiosity, willingness to take risks, the ability to generate multiple solutions to a problem and persistence are equally important in developing creativity. The visual arts experience is one in which students are able to reach their full potential, artistically and intellectually.

Courses

Course	Grade
Ceramics III-IV Semester classes	11-12
Yearbook Production	10-12
Drawing & Painting	10-12
Ceramics I – II Semester classes	10-12
Photography I – II Semester classes	10-12
Interior Design	10-12
3-D Design Semester class	10-12
Art I	9-12
Art II	10-12
Visual Journaling Semester class	10-12
Printmaking Semester class	10-12
Advanced Photography	11-12
Graphic Design	11-12
Portfolio Development	11-12
Advanced Placement Art Studio 2-D and Drawing	12

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Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	<ul style="list-style-type: none">▪ Ceramics III – IV▪ Yearbook Production▪ 3-D Design
2014-2015	<ul style="list-style-type: none">▪ Ceramics I – II▪ Drawing & Painting▪ Art I▪ Art II
2015-2016	<ul style="list-style-type: none">▪ Interior Design change to Color & Design▪ Visual Journaling▪ Photography I - II
2016-2017	<ul style="list-style-type: none">▪ Graphic Design▪ Portfolio Development▪ Advanced Photography
2017-2018	<ul style="list-style-type: none">▪ Advanced Placement Art Studio▪ Printmaking

Business & Marketing Education (grades 9-12)

Overview

The Business and Marketing electives have been designed to ensure Roxbury students are well prepared to enter this highly competitive area at the college/university level. Courses are available for all levels of our student population. All Business and Marketing courses satisfy the Practical Arts requirements.

Courses

Course	Grade	Textbook
Accounting I	10, 11, 12	Century 21 Accounting
Accounting I Honors	10, 11, 12	Century 21 Accounting
Accounting II	11, 12	Century 21 Accounting
Accounting II Honors	11, 12	Century 21 Accounting
Introduction to Business Principles	9, 10, 11, 12	Intro to Business
Microsoft Office Business Solutions	9, 10, 11, 12	No Textbook Needed
Introduction to Web Page Design	10, 11, 12	No Textbook Needed
Web Page Business Solutions	10, 11, 12	No Textbook Needed
Introduction to Flash Animation	10, 11, 12	No Textbook Needed
Flash Animation Business Solutions	10, 11, 12	No Textbook Needed
Financial Literacy for the 21 st Century	9, 10, 11, 12	Financial Literacy/Managing Your Personal Finances
Business Management/Entrepreneurship	10, 11, 12	Business Management
Business and Consumer Law	10, 11, 12	Law for Business and Personal Use
International Business Studies	10, 11, 12	International Business
Introduction to Marketing	10, 11, 12	Introduction to Marketing
Cooperative Marketing Education	12	No Textbook Needed

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Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	
2014-2015	Sports & Entertainment Marketing Apple Computers – P245 Programs Teacher
2015-2016	Calibration of Curriculum
2016-2017	
2017-2018	

Family & Consumer Sciences (grades 9 – 12)

Overview

The foods area of Family and Consumer Sciences provides instruction ranging from basic cooking techniques to gourmet fare, with a focus on healthy dietary choices. Career opportunities in the expanding field of Food Services/Hospitality are presented. In the child development area three courses are offered which provide a range of student opportunities that include observation and interaction with young children, career exploration, effective parenting and the teaching of young children in our laboratory pre-school. A course in Fashion Design introduces students to the world of fashion and its many career opportunities. Life Management offers personal finance information to make every day financial decisions, such as purchasing a car, using credit cards, investments and savings accounts. All of our courses in food preparation, child-care, fashion design and personal finance contribute to our overall goal – the growth and development of a self-reliant, productive member of society.

Course	Grade	Textbook
Culinary Arts I	9, 10	Food for Today
Culinary Arts II	10, 11, 12	Guide to Good Food
World Cuisine	11, 12	Guide to Good Food
Creative Cooking	11, 12	Guide to Good Food
Careers with Children & Families	9, 10, 11	Succeeding in the World of Work
Education for Parenthood	10, 11	Parenting Rewards & Responsibilities
Teaching Young Children	12	Working with Young Children
Life Management	11, 12	NEFE (National Endowment for Financial Education Program)
Fashion Design	9, 10, 11, 12	Fashion 1

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Projective Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	
2014-2015	Teacher Textbooks for Fashion Design
2015-2016	Apple Computers for Fashion Design programs Expansion of sewing portion/machines
2016-2017	Quantity Food Preparation – New Courses
2017-2018	Calibration of Curriculum

Industrial Arts & Technology (grades 9 - 12)

Overview

The goal of the Industrial Arts and Technology Department is in keeping with the finest tradition of a comprehensive education, to serve the needs of our student population. The Drawing and Design curriculum is structured to meet the needs of students planning to major in Engineering, Architecture, or Design. Our courses in Wood Technology and Electricity allow students hands-on opportunities to develop skills and achieve success. Problem solving is also a key component of our course offerings.

Courses

Course	Grade	Textbook
Engineering Drafting and Design I	9, 10, 11	No textbook needed
Engineering, Drafting and Design II	10, 11, 12	No textbook needed
Advanced Computer Aided Design	11, 12	No textbook needed
3-D Studio Computerized	12	No textbook needed
Wood Technology I	9, 10	Wood Technology & Processes – (Under review)
Wood Technology II	10, 11, 12	Wood Technology & Processes – (Under review)
Wood Technology III	11, 12	Wood Technology & Processes – (Under review)
Wood Technology IV	12	Wood Technology & Processes – (Under review)
Introduction to Electrical Technology	9, 10, 11, 12	Modern Residential Wiring

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Projective Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	Intro to Electrical Technology
2014-2015	New Course Proposed Teacher New text for Wood courses *Woodshop floor
2015-2016	*Plotter Replacement
2016-2017	*Tables replaced in Shop *Router/Saw Replacement
2017-2018	Calibration of Curriculum

*No Curriculum priorities planned
Equipment replacement required

Health & Physical Education

Overview

The goal of physical education is to help students establish habits, attitudes, and skills that will persuade personal choice and participation in physical activity throughout life. Research has proven that healthy, physically active children are more likely to be academically motivated, alert, and successful in school. Children and youth who are physically, emotionally, and socially well are better able to benefit from learning experiences provided in school.

A physically educated person:

- Has learned skills necessary to perform a variety of physical activities
- Is physically fit
- Participates in regular physical activity
- Knows the implications of and the benefits from involvement in physical activities
- Values physical activity and its contributions to a healthy lifestyle

A quality physical education program is structured so that the duration, intensity, and frequency of activities help motivate students and meet their individual needs. Students are given the opportunity to explore concepts in depth, analyze and solve real-life problems, work cooperatively on tasks that develop and enhance their understanding and develop physical and social skills necessary for a healthy, active lifestyle.

The goal of the Roxbury High School physical education department is to provide a well-planned, developmentally appropriate health and physical education curriculum that imparts students with the skills necessary to develop a lifestyle that fosters good health and contributes to the well-being of the community.

Students are required to successfully complete three marking periods of physical education and one marking period of health for each year they are enrolled in high school. Physical Education is co-educational and will emphasize activities that promote lifetime fitness, well-being, social interaction, and an understanding of movement and physical fitness concepts. The goal is that every student will become physically educated through a variety of activities.

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Courses

Course	Grade
High Performance Physical Education	10, 11, 12
Wellness Physical Education	10, 11, 12
Physical Education	9, 10, 11, 12
Ninth Grade Health	9
Tenth Grade Driver Theory	10
Eleventh Grade Health: First Aid	11
Twelfth Grade Health	12
Introduction to Exercise Science	10, 11, 12
Introduction to Exercise Psychology	10, 11, 12

Projected Five Year Curriculum Priorities

School Year	Curriculum Revision/Materials Adoption
2013-2014	<ul style="list-style-type: none">▪ High performance▪ Wellness▪ Introduction to Exercise Science▪ Introduction to Exercise Psychology
2014-2015	<ul style="list-style-type: none">▪ Tenth grade Driver Theory▪ Eleventh grade health: First Aid▪ Introduction to Exercise Science▪ Introduction to Exercise Psychology
2015-2016	<ul style="list-style-type: none">▪ Ninth Grade Health▪ Twelfth Grade Health
2016-2017	<ul style="list-style-type: none">▪ Physical Education
2017-2018	<ul style="list-style-type: none">▪ Calibration of Curriculum