

ACCELERATE COURSES

See grade level requirements following list of courses.

These courses are included in Accelerate pricing.
Teachers available at \$225 for .5 credit; \$450 for 1.0 credit

Course	Level	Grade Level	Subject	Credits
Accounting	Standard	9,10,11,12	CTE	0.5
Advanced Drawing	Standard	9	Electives	0.5
Algebra 1 A	Standard	8,9,10,11,12	Math	0.5
Algebra 1 A Honors	Honors	9	Math	0.5
Algebra 1 B	Standard	8,9,10,11,12	Math	0.5
Algebra 1 B Honors	Honors	9	Math	0.5
Algebra 2 A	Standard	9,10,11,12	Math	0.5
Algebra 2 A Honors	Honors	9,10,11,12	Math	0.5
Algebra 2 B	Standard	9,10,11,12	Math	0.5
Algebra 2 B Honors	Honors	9,10,11,12	Math	0.5
American Government	Standard	9,10,11,12	Social Studies	0.5
American Government Honors	Honors	12	Social Studies	0.5
American History A	Standard	11	Social Studies	0.5
American History A Honors	Honors	11	Social Studies	0.5
American History B	Standard	11	Social Studies	0.5
American History B Honors	Honors	11	Social Studies	0.5
Anatomy and Physiology A	Standard	9,10,11,12	Science	0.5
Anatomy and Physiology B	Standard	9,10,11,12	Science	0.5
AP Biology A	Advanced Placement (AP)	9,10,11,12	Science	0.5
AP Biology B	Advanced Placement (AP)	9,10,11,12	Science	0.5
AP Calculus (BC) A	Advanced Placement (AP)	11,12	Math	0.5
AP Calculus (BC) B	Advanced Placement (AP)	11,12	Math	0.5
AP Calculus AB A	Advanced Placement (AP)	11,12	Math	0.5
AP Calculus AB B	Advanced Placement (AP)	11,12	Math	0.5
AP Computer Science A	Advanced Placement (AP)	9,10,11,12	Electives	1
AP English Language & Composition A	Advanced Placement (AP)	9,10,11,12	English/Language Arts	0.5
AP English Language & Composition B	Advanced Placement (AP)	9,10,11,12	English/Language Arts	0.5
AP English Literature & Composition A	Advanced Placement (AP)	12	English/Language Arts	0.5
AP English Literature & Composition B	Advanced Placement (AP)	12	English/Language Arts	0.5
AP European History A	Advanced Placement (AP)	9,10,11,12	Social Studies	0.5

Course	Level	Grade Level	Subject	Credits
AP European History B	Advanced Placement (AP)	9,10,11,12	Social Studies	0.5
AP Physics 1 A	Advanced Placement (AP)	11,12	Science	0.5
AP Physics 1 B	Advanced Placement (AP)	11,12	Science	0.5
AP United States History A	Advanced Placement (AP)	9,10,11,12	Social Studies	0.5
AP United States History B	Advanced Placement (AP)	9,10,11,12	Social Studies	0.5
AP US Government and Politics A	Advanced Placement (AP)	9,10,11,12	Social Studies	0.5
AP US Government and Politics B	Advanced Placement (AP)	9,10,11,12	Social Studies	0.5
AP World History: Modern A	Advanced Placement (AP)	11,12	Social Studies	0.5
AP World History: Modern B	Advanced Placement (AP)	11,12	Social Studies	0.5
Art Appreciation	Standard	8,9,10,11,12	Electives	0.5
Art Development Level 1	Standard	3,4,5	Arts	0.5
Art Development Level 2	Standard	3,4,5	Arts	0.5
Art Development Level 3	Standard	3,4,5	Arts	0.5
Art Development Level 4	Standard	3,4,5	Arts	0.5
Art History	Standard	9,10,11,12	Electives	0.5
Art History IS	Standard	9,10,11,12	Electives	0.5
Basic Drawing	Standard	6,7,8,9,10,11,12	Electives	0.5
Basic Web Design	Standard	9	CTE	0.5
Beginning Painting	Standard	6,7,8,9,10,11,12	Electives	0.5
Biology A	Standard	9	Science	0.5
Biology A Honors	Honors	9	Science	0.5
Biology B	Standard	9	Science	0.5
Biology B Honors	Honors	9	Science	0.5
Business Law	Standard	9,10,11,12	CTE	0.5
Career Planning	Standard	9	CTE	0.5
Character Education	Standard	7,8,9,10,11,12	Electives	0.5
Character Education IS	Standard	7,8,9,10,11,12	Electives	0.5
Chemistry A	Standard	10	Science	0.5
Chemistry A Honors	Honors	11	Science	0.5
Chemistry B	Standard	10	Science	0.5
Chemistry B Honors	Honors	11	Science	0.5
Child Development	Standard	9,10,11,12	Electives	0.5
Civics	Standard	9	Social Studies	0.5
Civics IS	Standard	9	Electives	0.5
Computer Basics	Standard	9,10,11,12	CTE	0.5
Consumer Math A	Standard	9,10,11,12	Math	0.5
Consumer Math B	Standard	9,10,11,12	Math	0.5
Contemporary Novels	Standard	9,10,11,12	English/Language Arts	0.5
Creative Writing A	Standard	9,10,11,12	English/Language Arts	0.5
Creative Writing B	Standard	9,10,11,12	English/Language Arts	0.5
Digital Media	Standard	9,10,11,12	CTE	0.5
Earth Science A	Standard	9	Science	0.5
Earth Science B	Standard	9	Science	0.5

Course	Level	Grade Level	Subject	Credits
Economics	Standard	11	Social Studies	0.5
Economics Honors	Honors	11	Social Studies	0.5
Financial Literacy	Standard	9,10,11,12	CTE	0.5
French 1 A	Standard	9,10,11,12	Foreign Language	0.5
French 1 B	Standard	9,10,11,12	Foreign Language	0.5
French 2 A	Standard	9,10,11,12	Foreign Language	0.5
French 2 B	Standard	9,10,11,12	Foreign Language	0.5
Geometry A	Standard	10	Math	0.5
Geometry A Honors	Honors	10	Math	0.5
Geometry B	Standard	10	Math	0.5
Geometry B Honors	Honors	10	Math	0.5
German 1 A	Standard	9,10,11,12	Foreign Language	0.5
German 1 B	Standard	9,10,11,12	Foreign Language	0.5
German 2 A	Standard	9,10,11,12	Foreign Language	0.5
German 2 B	Standard	9,10,11,12	Foreign Language	0.25
Graphic Design	Standard	11,12	CTE	0.5
Health 3 A	Standard	3	Health & Physical Education	0.5
Health 3 B	Standard	3	Health & Physical Education	0.5
Health 4 A	Standard	4	Health & Physical Education	0.5
Health 4 B	Standard	4	Health & Physical Education	0.5
Health 5 A	Standard	5	Health & Physical Education	0.5
Health 5 B	Standard	5	Health & Physical Education	0.5
Health A	Standard	10	Health & Physical Education	0.5
Health B	Standard	10	Health & Physical Education	0.5
Individual and Team Sports	Standard	6,7,8,9,10,11,12	Health & Physical Education	0.5
Individual and Team Sports IS	Standard	6,7,8,9,10,11,12	Electives	0.5
Integrated Math 1 A	Standard	9	Math	0.5
Integrated Math 1 B	Standard	9	Math	0.5
Integrated Math 2 A	Standard	10	Math	0.5
Integrated Math 2 B	Standard	10	Math	0.5
Integrated Math 3 A	Standard	11	Math	0.5
Integrated Math 3 B	Standard	11	Math	0.5
Integrated Science 6 A	Standard	6	Science	0.5
Integrated Science 6 B	Standard	6	Science	0.5
Integrated Science 7 A	Standard	6,7,8	Science	0.5
Integrated Science 7 B	Standard	6,7,8	Science	0.5
Integrated Science 8 A	Standard	6,7,8	Science	0.5
Integrated Science 8 B	Standard	6,7,8	Science	0.5
Internet Safety & Orientation to Buzz		N/A	CTE	0
Introduction to Business	Standard	9,10,11,12	CTE	0.5
JavaScript	Standard	9,10,11,12	Electives	0.5
Keyboarding	Standard	3,4,5,6,7,8	Electives	0.5
Language Arts 10 A	Standard	10	English/Language Arts	0.5

Course	Level	Grade Level	Subject	Credits
Language Arts 10 A Honors	Honors	10	English/Language Arts	0.5
Language Arts 10 B	Standard	10	English/Language Arts	0.5
Language Arts 10 B Honors	Honors	10	English/Language Arts	0.5
Language Arts 11 A	Standard	11	English/Language Arts	0.5
Language Arts 11 A Honors	Honors	11	English/Language Arts	0.5
Language Arts 11 B	Standard	11	English/Language Arts	0.5
Language Arts 11 B Honors	Honors	11	English/Language Arts	0.5
Language Arts 12 A	Standard	12	English/Language Arts	0.5
Language Arts 12 A Honors	Honors	12	English/Language Arts	0.5
Language Arts 12 B	Standard	12	English/Language Arts	0.5
Language Arts 12 B Honors	Honors	12	English/Language Arts	0.5
Language Arts 3 A	Standard	3	English/Language Arts	0.5
Language Arts 3 B	Standard	3	English/Language Arts	0.5
Language Arts 4 A	Standard	4	English/Language Arts	0.5
Language Arts 4 B	Standard	4	English/Language Arts	0.5
Language Arts 5 A	Standard	5	English/Language Arts	0.5
Language Arts 5 B	Standard	5	English/Language Arts	0.5
Language Arts 6 A	Standard	6	English/Language Arts	0.5
Language Arts 7 A	Standard	7	English/Language Arts	0.5
Language Arts 7 B	Standard	7	English/Language Arts	0.5
Language Arts 8 A	Standard	8	English/Language Arts	0.5
Language Arts 8 B	Standard	8	English/Language Arts	0.5
Language Arts 9 A	Standard	9	English/Language Arts	0.5
Language Arts 9 A Honors	Honors	9	English/Language Arts	0.5
Language Arts 9 B	Standard	9	English/Language Arts	0.5
Language Arts 9 B Honors	Honors	9	English/Language Arts	0.5
Marine Science	Standard	9	Science	0.5
Math 3 A	Standard	3	Math	0.5
Math 3 B	Standard	3	Math	0.5
Math 4 A	Standard	4	Math	0.5
Math 4 B	Standard	4	Math	0.5
Math 5 A	Standard	5	Math	0.5
Math 5 B	Standard	5	Math	0.5
Math 6 A	Standard	6	Math	0.5
Math 6 B	Standard	6	Math	0.5
Math 7 A	Standard	7	Math	0.5
Math 7 B	Standard	7	Math	0.5
Math 8 A		8	Math	0
Math 8 B		8	Math	0
Media & Communications	Standard	9	CTE	0.5
Medicine	Standard	9	CTE	0.5
MS Health	Standard	6	Health & Physical Education	0.5
Music Appreciation	Standard	9,10,11,12	Electives	0.5
Paleontology	Standard	9	Science	0.5
Personal Fitness	Standard	9,10	Health & Physical Education	0.5
Physics A Honors	Honors	11	Science	0.5
Physics B	Standard	11,12	Science	0.5
Physics B Honors	Honors	11	Science	0.5

Course	Level	Grade Level	Subject	Credits
Pre-Algebra A	Standard	8,9,10,11,12	Math	0.5
Pre-Algebra B	Standard	8,9,10,11,12	Math	0.5
Pre-Calculus A	Standard	9,10,11,12	Math	0.5
Pre-Calculus B	Standard	9,10,11,12	Math	0.5
Psychology A	Standard	9,10,11,12	Electives	0.5
Psychology B	Standard	9,10,11,12	Electives	0.5
Renewable Energy	Standard	9	Science	0.5
Science 3 A	Standard	3	Science	0.5
Science 3 B	Standard	3	Science	0.5
Science 4 A	Standard	4	Science	0.5
Science 4 B	Standard	4	Science	0.5
Science 5 A	Standard	5	Science	0.5
Science 5 B	Standard	5	Science	0.5
Science 6 A - Life	Standard	6,7,8	Science	0.5
Science 6 B - Life	Standard	6,7,8	Science	0.5
Science 7 A - Earth & Space	Standard	6,7,8	Science	0.5
Science 7 B - Earth & Space	Standard	6,7,8	Science	0.5
Science 8 A - Physical	Standard	6,7,8	Science	0.5
Science 8 B - Physical	Standard	6,7,8	Science	0.5
Social Studies 3 A	Standard	3	Social Studies	0.5
Social Studies 3 B	Standard	3	Social Studies	0.5
Social Studies 4 A	Standard	4	Social Studies	0.5
Social Studies 4 B	Standard	4	Social Studies	0.5
Social Studies 5 A	Standard	5	Social Studies	0.5
Social Studies 5 B	Standard	5	Social Studies	0.5
Social Studies 6 A	Standard	6	Social Studies	0.5
Social Studies 6 B	Standard	6	Social Studies	0.5
Social Studies 7 A	Standard	7	Social Studies	0.5
Social Studies 7 B	Standard	7	Social Studies	0.5
Social Studies 8 A	Standard	8	Social Studies	0.5
Social Studies 8 B	Standard	8	Social Studies	0.5
Sociology	Standard	9,10,11,12	Electives	0.5
Space Explorations	Standard	9	Science	0.5
Spanish 1 A	Standard	9,10,11,12	Foreign Language	0.5
Spanish 1 B	Standard	9,10,11,12	Foreign Language	0.5
Spanish 2 A	Standard	9,10,11,12	Foreign Language	0.5
Spanish 2 B	Standard	9,11,12	Foreign Language	0.5
Spanish 3 A	Standard	9,10,11,12	Foreign Language	0.5
Spanish 3 B	Standard	9,10,11,12	Foreign Language	0.5
Study Skills and Strategies	Standard	8,9,10,11,12	Electives	0.5
Theatre Studies	Standard	9	Electives	0.5
World Geography A	Standard	9	Social Studies	0.5
World Geography B	Standard	9	Social Studies	0.5
World History A	Standard	9	Social Studies	0.5
World History A Honors	Honors	9	Social Studies	0.5
World History B	Standard	9	Social Studies	0.5
World History B Honors	Standard	9	Social Studies	0.5

ACCELERATE COURSES

3rd GRADE

ENGLISH

During the first semester students will continue to build their vocabulary through the study of folktales, fables, myths, informational text, dramas, poems, and stories. They will recount stories and ask and answer questions to demonstrate their knowledge of text. They will compare and contrast themes, setting and plots and distinguish their own point of view from that of the author of the text. Students will also gain information from illustrations and describe logical connections between sentence and paragraphs. They will also be introduced to writing in cursive.

During the second semester students will continue to apply phonics and grammar concepts with a focus on special vowel sounds, prefixes, and suffixes. Students will continue to build writing skills by responding to reading and utilizing a broadened vocabulary in authentic writing activities where they compare and contrast stories and use process writing to compose original work. They will read with accuracy and fluency to support comprehension as they solidify their understanding within context of the stories they read. By the end of the year, our third-grade student will read and comprehend informational texts, including history/social studies, science, and technical texts independently and proficiently. Students will report on a topic using descriptive details and speaking clearly and in complete sentences.

SOCIAL STUDIES 3

In third grade, social studies students will begin to explore the basic fundamentals of social studies including geography, civics, and economics. Learners will begin by looking at the beginning of civilization and examining the ancient Hebrew civilization, the Phoenicians, and the Kush tribe of ancient Africa. They will then move on to examining the Native American tribes of the Cherokee, Sioux, and Hopi. Students will also look at the first explorers of the Americas and learn about the beginning of the United States. In the first semester students will learn important geographical factors in the ancient civilizations, Native American tribes and in the developing United States. Students will increase their skills by creating maps and looking at the landscapes. They will take a close look at their own personal heritage by mapping their ancestry. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

MATHEMATICS 3

Students will explore concepts of measurement including linear measurement, weight, volume, temperature, and time. They will also recognize, compare, and convert fractions. Students will write amounts of money and make change using as few coins as possible. Lastly, students will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

SCIENCE 3

Third grade science introduces students to experimentation as they journey through the earth and its many miracles. They will begin by learning about the earth, the sun and the moon. By participating in simple experiments students will explore the water cycle, gravity, the weather and its patterns, various types of terrain, and the role of plants in the production of oxygen and their importance to human survival. Learners will expand their knowledge through video, pictures, short readings, projects, and hands on experiments. Learners will understand that experiments require the use of instruments, observation, recording, and drawing evidence based conclusions. Grade 3 science provides students with the opportunity to expand their minds and see for themselves the way that science is a part of their everyday lives.

ELECTIVES 3

Art Development Levels 1,2,3,4
Health
Keyboarding
Physical Education

REQUIRED GRADE THREE MATERIALS:

<https://accelerate.education/wp-content/uploads/2017/04/MaterialsGrade3.pdf>

<https://accelerate.education/wp-content/uploads/2017/04/MaterialsElementarySupplies.pdf>

ACCELERATE COURSES

4th GRADE

ENGLISH

The 4th grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions.

SOCIAL STUDIES

In Semester A of Social Studies 4, students will explore the early development of the United States. Students will explore the early Native Americans and interactions with early European Settlers and the establishment of the American colonies and early American government.

Students will learn about important documents in the founding of the United States and the establishment of rules and laws that has led to the formation of the federal and state governments as we know them today. Students will have the opportunity to explore their own state government and learn more about the rules and regulations that govern where they live.

In Semester B of Social Studies 4, students will expand on their learning from Semester B, and work their way through American History to post-WWII and science and inventions that started shaping the modern-day United States. Various concepts including economics, the environment, and American geography will be explored to give students a better idea of all the facets that shape American lives today.

Mathematics

Grade 4 math uses a varied amount of instructional material to reinforce and teach new math skills to the 4th grade learners. Instruction includes creative videos, mathematical storytelling, practical math applications and repetition to reinforce skills throughout the course. Three areas are focused on and students will finish the course with a strong knowledge in these content areas. The first is developing an understanding and fluency with multi-digit multiplication, and developing the understanding of dividing to find quotients involving multi-digit dividends. The second is developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions with whole numbers. Semester B of grade 4 math has learners continuing to work with fractions. They will learn to multiply fractions and convert them to decimals. Students will also begin to learn to equivalent measurements of length, weight, mass, and capacity. They will also learn helpful skills in understanding time, distance, and money. Students will develop an understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry. Lessons on rectangles, line plots, angles, figure drawing, polygons, and symmetry will be taught. Semester B continues to use varied forms of instruction that allow students to learn these skills in a practical manner.

SCIENCE

Grade 4 Science includes the three main domains of science which are physical, life, and earth and space science. Learners will use various kinds of experimenting, including field studies, systematic observations, models, and controlled experiences. The course begins with the explanation of the scientific method which the students continue to use and build upon throughout the course. The big picture of the earth is examined as students review the life on planet earth, salt and fresh water, and fast and slow changes that occur on the planet. Students go beyond planet earth, though, as they study galaxies, the solar system and other planets. Students examine the ways that forces and motion can be measured and the concept that a single kind of matter can exist as a solid, liquid or gas. Grade 4 science uses many modes of instruction including video presentations, enrichment activities, and hands-on experimentation.

ELECTIVES 4

Art Development Levels 1,2,3,4
Health
Keyboarding
Physical Education

REQUIRED GRADE FOUR MATERIALS:<https://globalstudentnetwork.com/wp-content/uploads/2019/02/AccelerateMaterialsGrade4.pdf><https://accelerate.education/wp-content/uploads/2017/04/MaterialsElementarySupplies.pdf>

ACCELERATE COURSES

5th GRADE

ENGLISH

The 5th grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions. Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed to literary text, semester B focuses on skills for reading and analyzing informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of information text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and using multimedia.

*REQUIRED BOOKS

Semester A:

Because of Winn Dixie - by Kate DiCamillo

Number the Stars - by Lois Lowry

The Watsons Go to Birmingham - by Christopher Paul Curtis

Semester B:

Maniac Magee - by Jerry Spinelli

Out of the Dust - by Karen Hesse

Island of the Blue Dolphin - by Scott O'Dell

SOCIAL STUDIEX

Grade 5 Social Studies combines the study of United States History through the Civil War with a geographical exploration of the United States and what it has to offer. Students will use their understanding of social studies skills and concepts as they study the development of the United States. The first semester begins with early settlements of North America and allows learners to take an in-depth look into what life was like for colonists and Native Americans. Students will come to understand the causes of the Revolutionary War and the people that played a significant role in it. The semester ends with students examining the new nation and what life was like for European immigrants and those on the frontier. Students will learn through the use of video, journaling, and varied types of creative instruction. Semester B begins with an exploration of the west and what life was like for those looking to find gold. Learners will then look at slavery and what led to the Civil War. The course then takes a departure from American history and takes a more in-depth look into cultures, people, and the geography of the United States from past to present. Learners will have the opportunity to explore the country region by region and come to appreciate all that it has to offer. Students will conclude the course by planning and describing a trip they would like to take to a particular place within the 50 United States. Students will take a hands-on approach as they get to know the geography, climate and culture of their country. Video, creative projects involving technology, journaling, and varied assessments will be used throughout the course.

Mathematics

Students will learn math topics outlined in this course drawing from a variety of sources, including hands-on activities, interactive lessons, and practical math applications. Students will focus on several critical areas including but not limited to developing fluency with addition, subtraction, multiplication, and division of fractions. They will also learn to extend division to 2-digit divisors, integrate decimal fractions into the place value system, and increase an understanding of operations with decimals to hundredths. They will develop a fluency with whole numbers and decimal operations. The semester begins with operations and expressions, moves into decimals and money, and ends with more work on fractions. Learners will gain valuable skills as they carry out activities that model real life situations like grocery shopping throughout the semester.

Semester B begins with students continuing to work with fractions. The first lesson focuses on ratios and challenges students to solve word problems using fractions and ratios in practical life situations. Learners continue to strengthen their math skills by studying mixed and fraction products, and fraction application, models, and division. The third critical area that students will focus on in Grade 5 Math is volume. Students will receive lessons in measurement of length, weight, and volume. They will end the course with a focus on geometry. Varied types of instruction are used to enhance their learning, including video and real life applications, activities, and creative projects.

SCIENCE

Grade 5 Science continues to build on the science skills that have been obtained in years previous. There will be an emphasis on earth and space science, life science, and physical science. Students will begin the course by focusing on earth and space science by looking at the solar system and planets. Students will come to an understanding of the concept of the earth as a sphere and the earth's place in the solar system. The course continues with a focus on physical science and the different tools that can measure force, time, and distance. They will also grow in their understanding of how light and sound travel and interact with each other as well as the different types of energy. The semester concludes with a look into life science and the ways that organisms are interconnected. Instruction will include real life application, hands-on projects and assessments, and video and short research projects. Semester B puts great emphasis on life science and begins by focusing on the many ecosystems of the earth and the way that all parts of ecosystems depend on each other. Students will learn the different types of ecosystems that exist. They will learn that ecosystems change and how the changes affect their ability to support their populations. Learners will examine plants; that they have different structures and how those structures allow them to respond to different needs. Students will also grow in their understanding of the importance of good nutrition to all living organisms. The course concludes with a look into the scientific process and the importance of investigations and conclusions in the study of science. Instruction will include real life application, hands-on projects and assessments, and video and short research projects.

ELECTIVES 5

Art Development Levels 1,2,3,4
Health
Keyboarding
Physical Education

REQUIRED GRADE FIVE MATERIALS:

<https://globalstudentnetwork.com/wp-content/uploads/2019/02/AccelerateMaterialsGrade5.pdf>

<https://accelerate.education/wp-content/uploads/2017/04/MaterialsElementarySupplies.pdf>

ACCELERATE COURSES

6th GRADE

ENGLISH

Through a study of myths, fables, and folk tales from different cultures—as well as novels and other modern forms of narrative, students learn the elements common to all forms of literature and also the elements that are unique to each form. In lessons focused on writing and language study, students craft essays in several different modes and learn how to create the more formal style expected for school writing assignments. Lessons in this semester guide students to recognize and reproduce text structures and organizational patterns that work for different types of essays. The writing lessons also demonstrate the kinds of changes that students should make during the revising and editing stages of the writing process.

The second semester of grade 6 English Language Arts online course builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts in Semester B and apply more advanced analysis skills to reading and writing tasks. They also study some of the more subtle aspects of language, such as the role of connotation and nuance in an author's word choices and how those choices affect readers. Reading assignments are selected, in part, to provide models for students' own writing in specific modes, forms, or genres. Several lessons demonstrate methods of sharing and publishing writing using 21st century technology.

Required Books:

- Seedfolks
- The Giver
- Esperanza Rising
- Flying Lessons and Other Stories

Optional Novels (Choose 1):

- Walk Two Moons
- The Westing Game
- Freak the Mighty
- True Confessions of Charlotte Doyle

SOCIAL STUDIES

The first semester of Social Studies 6 introduces students to the beginnings of ancient civilization. We will trace the path of human origins in Africa and follow the path of migration around the Earth. This course will help students understand why we study history and the process in which we form conclusions about events in the past. Students will begin to learn about the major ancient civilization around the world and their cultures. Modern civilizations can trace their foundations to these ancient civilizations, and their cultures and histories teach us much about ourselves and the modern world in which we live. In the second semester of Social Studies 6, students will continue to examine ancient civilizations and their cultures. In this semester we will continue to trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

MATHEMATICS

Students begin the first semester of this course with a review of basic addition, subtraction, multiplication and division of whole numbers. More complex concepts are built on these basics. Students learn how to add, subtract multiply and divide integers, decimals and fractions. The course also includes lessons on ratios and proportions.

In the second semester of grade 6 Math online course, we introduce students to the order of operations and how to use them in solving application problems. Building on these concepts, students are then introduced to the basics of algebra and algebraic expressions. Students then learn how to apply these problem-solving skills to percents and solving single and multiple step equations. An exploration of Geometry, probability and statistics concludes the second semester.

SCIENCE

Science 6 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science.

The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment.

Semester B of Integrated Science grade 6 builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into earth and space science, life science, and physical science.

ELECTIVES 6

- Basic Drawing
- Beginning Painting
- Keyboarding
- Physical Education

ACCELERATE COURSES

7th GRADE

ENGLISH

Through analysis of written, spoken, and multimedia texts, students will become more critical consumers of information and of various forms of media. They will also synthesize and organize ideas to prepare structured essays in several different modes, including narrative, persuasive, and expository. Each lesson will guide students in learning and applying specific strategies for reading and writing different types of texts. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. This course provides instruction in many modalities, including audiovisual presentations and videos, interactive activities, projects, and discussions. Semester B The second semester of grade 7 English Language Arts online course builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts and themes in Semester B, and the level of analysis demonstrated and required is more in-depth. In this part of the course, students study the English language closely—both its history and evolution, and the less obvious ways it can be used to convey meaning. The reading assignments are selected to guide students in understanding how language can be used to convey broader themes in poetry, drama, and humorous or satirical texts. Students continue to develop their writing skills through multi-draft assignments and projects. Emphasis in this semester is on recognizing the multiple levels of meaning that any word or phrase might convey, and in writing one's own texts with these concepts in mind.

Materials

Required Anthology:

Poetry Speaks Who I Am

ISBN-10: 1402210744

ISBN-13: 978-1402210747

Required Novels:

Julie of the Wolves by Jean Craighead George (Semester A)

The Outsiders by S.E. Hinton (Semester B)

Optional Novels (Choose 2):

A Day No Pigs Would Die by Robert Peck

Where the Red Fern Grows by Wilson Rawls

Nothing but the Truth by Avi

The Cay by Theodore Taylor

A Christmas Carol by Charles Dickens

SOCIAL STUDIES

This study of the history of the United States emphasizes how ideas, events, and philosophies have shaped the nation. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people and ends with the conclusion of the Civil War. Second semester continues with an emphasis on how historical ideas, events, and philosophies have shaped the United States. Beginning with Reconstruction, this course uses the same skill development approach to guide students through U.S. history to the present.

MATHEMATICS

In this first semester, students work with problem-solving skills, beginning algebra skills, geometry, decimals, fractions, data analysis, number theory and patterns, percents, and integer use. Projects measure the student's ability to integrate and apply the course objectives. In the continuation of the first semester, students work with fractions; unit conversions; proportions and rates; percent's; geometry topics including lines, angles, polygons, polyhedrons, perimeter, area, surface area, volume, and transformations; squares and square roots; permutations and combinations; and probability. Real-life application of concepts is emphasized in all units.

SCIENCE

Science 7 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science.

The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment.

Semester B of Integrated Science Grade 7 builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into earth and space science, life science, and physical science.

ELECTIVES 7

Basic Drawing

Beginning Painting

Character Education

Keyboarding

Physical Education

ACCELERATE COURSES

8th GRADE

ENGLISH

During the first semester of this year-long course, students will read and analyze various kinds of written texts, include novels and short fiction, informational texts representing a wide range of topics and forms, and several one-act plays. Lessons in Semester A will also guide students in writing their own narratives and essays, using the readings in the course as both examples and sources of ideas for reflection, analysis, and argument. Students will learn better ways to discuss their thoughts and perceptions with others—they will practice their skills in collaborative discussions as well as informal journal entries, presentations, and speeches. Writing assignments include personal narratives, analytical and persuasive essays, and an original one-act play. Special emphasis is placed on reading in certain content areas, such as science and history, as well as understanding and thinking critically about news and media sources.

In Semester B of grade 8 English Language Arts online course, students will examine the role of historical autobiographies and diaries in our understanding of history. In the process, they'll study the impact of point of view on nonfiction texts. Students will be given opportunities to write autobiographical narratives of their own and then asked to connect their experiences to universal themes or philosophical positions, which they explore through writing about them. In the second half of the semester, students will study the relationship between poetic expression and several conventions of language, including syntax, voice, sentence types, and punctuation. Next, they will explore the nature of creativity, the processes that tend to produce good literature, and the features of experimental and multi-genre forms of fiction. Near the end of the semester, students will reflect on their own growth and development throughout the year, compiling a portfolio that illustrates the progress they've made. Finally, students will consider what high school will ask of them and how they might fulfill those expectations, having gained a better understanding of their strengths as well as areas ripe for continued learning and progress.

Materials

Required Anthology:

Poetry Speaks Who I Am

ISBN-10: 1402210744

ISBN-13: 978-1402210747

Required Novels:

Roll of Thunder, Hear My Cry by Mildred Taylor

The Diary of a Young Girl: The Definitive Edition by Anne Frank

ISBN-10 : 0553577123

ISBN-13 : 978-0553577129

Optional Novels (Choose 2):

The Pearl by John Steinbeck

My Brother Sam Is Dead by Christopher Collier

Across Five Aprils by Irene Hunt

The Ox-Box Incident by Walter Van Tilburg Clark

That Was Then, This Is Now by S. E. Hinton

SOCIAL STUDIES

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal and state government, law, and political systems. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and Power Point presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions.

Semester B This course takes a more individualistic approach as students closely examine topics such as the justice system, local government, the environment, and the economy. Learners will understand the role that they play in each of these topics and the differences that they can make. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. By the end of

semester B students will have a deeper understanding of their civic responsibilities as well as the difference one individual can make in society.

MATHEMATICS

The first semester of grade 8 Math online course will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry and will provide them with a concrete understanding of the basics for algebraic thinking. Students will develop a deeper understanding of the math concepts they have already learned and will stretch their thinking by solving real world problems.

The second semester of Math 8 builds on the concepts learned in the first semester and prepares students with the building blocks needed to dive deeper into the exciting world of Algebra and Geometry.

SCIENCE

Semester A and B

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

ELECTIVES 8

- Art Appreciation – .5 high school credit
- Basic Drawing
- Beginning Painting
- Character Education
- French 1 – .5 high school credit
- Keyboarding
- Physical Education
- Spanish 1 – .5 high school credit
- Study Skills and Strategies

ACCELERATE COURSES

9th GRADE

A MINIMUM OF SIX CREDITS REQUIRED FOR 9TH GRADE.

See electives and other core choices at end of document

CLICK HERE FOR GRADUATION REQUIREMENTS:

<https://theoakspriateschool.org/graduation-requirements/>

ENGLISH 9– 1 CREDIT

English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and on comparative studies of world literature and literature delivered in different media. Writing and informational text lessons guide students through the stages of research and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Materials

Required Novels (choose one per semester):

Romeo and Juliet (Semester A)

To Kill a Mockingbird (Semester B)

Optional Novels (Choose 1 per Semester)

The Old Man and the Sea

House on Mango Street

Fahrenheit 451

The Odyssey

Ender's Game

Speak of Mice and Men

WORLD HISTORY – 1 CREDIT

World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.

Semester B applies the reading and analytical strategies introduced in Semester A to the events and movements that created the modern world. In the second semester, World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.

ALGEBRA 1 – 1 CREDIT

Algebra 1 (semester A) introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found.

Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned.

Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability.

Students will interact with course materials through online lessons, videos, interactive questions and real-world applications.

Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project.

MATERIALS – Graphing Calculator (or free option via internet)

SCIENCE – 1 CREDIT

Biology

A introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them.

Biology A is presented in a multimedia format using interactive modules, labs, narrated animation, text, and videos to present the study of life on this planet. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project.

Biology B is a continuation of the basic course in biology, Biology A. The major concepts covered are population dynamics and evolution. Students explore population dynamics through the study of mutualism, predation, parasitism, and competition. The theory of evolution is presented, along with the many evidences and details that make evolution the backbone of modern biology. From biochemistry to evolution, biology fascinates people. Biochemists first astounded the world by showing that life obeys the same chemical principles as all creation, but that life engineers chemistry to its own needs. Decades later, Darwin shocked the world by suggesting that life evolves according to the conditions of the environment it inhabits. Evolution, often debated and derided, has survived to become a key concept of biology. This second course in biology examines the wonder of life and its mechanisms. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project.

A MINIMUM OF SIX CREDITS REQUIRED FOR 9TH GRADE.

See electives and other core choices at end of document

ACCELERATE COURSES

10th GRADE

A MINIMUM OF SIX CREDITS REQUIRED FOR 10th GRADE.

See electives and other core choices at end of document

CLICK HERE FOR GRADUATION REQUIREMENTS:

<https://theoaksprivateschool.org/graduation-requirements/>

ENGLISH 10– 1 CREDIT

English for grade 10 is an integrated curriculum, with each unit consisting of thematically related lessons in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. The skills that students practice for this course are similar to the skills in English 9 but require more independence and depth of thought. An introductory lesson at the start of each unit helps students identify any areas of weakness and review those topics before starting the more challenging grade 10 lessons. Writing assignments required in Semester A of this course include fiction, expository, and persuasive, and analytical modes, emphasizing the use of details, evidence, and reasoning to support ideas. Speaking and listening lessons in Semester A cover collaborative discussion skills, the peer review process, and how to plan and deliver informative speeches and presentations. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and as well as the evaluation of various modes and forms of writing. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Materials

Required Novels:

Animal Farm (Semester A)

Night (Semester B)

Optional Novels (Choose 1 per Semester):

The Catcher in the Rye

The Bean Trees

All Quiet on the Western Front

Lord of the Flies

Twelfth Night

Farewell to Manzanar

Antigone

AMERICAN HISTORY – 1 CREDIT

This course covers the discovery, development, and growth of the United States. Major topics include; American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her.

Semester B: Expansion of a Nation

American History B begins with a study of American life before the 1929 Stock Market crash and how the Roaring Twenties influenced society in the late 19th through early 20th centuries. Students will examine the causes and consequences of the Great Depression and move on into a detailed study of

World War II with an emphasis on America's role in the conflict. The course continues with an analysis of the Cold War struggle and America's rise as a superpower. The Civil Rights and Women's rights movements, pollution and the environment, and American domestic and foreign policy will be examined. The course wraps up with a summary of current events and issues, including a study of the Middle East. This course begins with an assessment of life in United States pre-World War I and ends with the conflicts of the new millennium. Students look at the nation in terms of economic, social, and political trends. The experiences of the last century are summarized, including a look into the civil rights issues that have embroiled the nation in conflict. The development of the United States of America into a superpower is explored within a global context.

MATHEMATICS – 1 CREDIT

Algebra 2 (semester A) further extends the learner's understanding of major algebra concepts such as expressions, equations, functions, and inequalities. An emphasis will be placed on the use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Algebra 2 (semester B) builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics.

Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles and trigonometric ratios. Geometry A consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

Semester B

This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles, and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of 2-dimensional and 3-dimensional objects. Geometry B consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

SCIENCE – 1 CREDIT

PHYSICAL SCIENCE A & B

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

A MINIMUM OF SIX CREDITS REQUIRED FOR 10th GRADE.

See electives and other core choices at end of document

ACCELERATE COURSES

11th GRADE

A MINIMUM OF SIX CREDITS REQUIRED FOR 11th GRADE.

See electives and other core choices at end of document

CLICK HERE FOR GRADUATION REQUIREMENTS:

<https://theoaksprivateschool.org/graduation-requirements/>

ENGLISH 11 – 1 CREDIT

English for grade 11 is an American Literature course, with units organized chronologically according to periods in literary history. As students read foundation works of literature and other historical documents written between 1600 and 1900, they'll review and extend skills in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Each module or unit begins with a lesson that provides historical context for the era and introduces themes that emerged in the literature of that era. Each lesson provides students with an opportunity to review basic analysis skills before applying those skills to works of literature or key historical documents. Lessons focused on more difficult historical documents include activities that help students comprehend the complex ideas in these works.

Writing modes addressed in Semester A of this course include narrative, reflective, persuasive, and analytical modes. Assignments emphasize the use of details, evidence, and reasoning to support ideas; writing lessons include model essays that demonstrate key features of each mode. The speaking and listening lessons in Semester A cover rhetoric, the peer review or writing workshop process, and performance skills. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B of English 11 consists of units focused on historical eras and literary movements of the 20th and 21st century, such as Naturalism, Imagism, the Harlem Renaissance, and Post-Modernism. Literature analysis lessons in semester B focus on the forms of literature that were most commonly written during the Twentieth Century and how the forms, styles, and techniques of that century inform literature written today. Students will also evaluate various modes and forms of language expression, including single media and multimedia messages. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Materials

Required Novels:

- The Scarlet Letter (Semester A)
- The Great Gatsby (Semester B)

Optional Novels (Choose 1 per Semester):

- Death of a Salesman
- A Farewell to Arms
- My Antonia
- A Lesson Before Dying
- Black Boy
- Adventures of Huckleberry Finn

SOCIAL STUDIES - 1 CREDIT

ECONOMICS - .5 CREDIT

This course introduces the principles and the applications of economics in everyday life. Students develop an understanding of limited resources and compare it with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students apply economic principles to think and problem solve. The study of Economics uses the view of economic institutions and policies to explore the history, organization, and functions of the U.S. government in controlling our economy. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the policies and institutions of economics to develop their own views on current economic and monetary issues. They are taught how to apply what they have learned into personal financial activities. The course looks closely at the economic knowledge and values of the country and gives students a look into the problems faced by presidents, and congressional representatives. It also covers the roles of political activists, political parties, interest groups, and the media in shaping the U. S. economy. The Supreme Court is presented as the voice of reason in the balance of powers. Students are encouraged to perform at higher levels as they are presented with historical documents and additional readings, work with a set of facts arranged by theme, become skillful in note-taking, and join in student discussions. Students develop and demonstrate their writing skills by preparing extended research-based papers.

AMERICAN GOVERNMENT - .5 CREDIT

This course will guide students through an in-depth study of the history, structure, and guiding principles of American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans. The course's final unit will guide students through a series of projects that require them to apply what they have learned about American government to an issue that interests them.

MATHEMATICS - 1 CREDIT

ALGEBRA 2 A&B

Algebra 2 (semester A) further extends the learner's understanding of major algebra concepts such as expressions, equations, functions, and inequalities. An emphasis will be placed on the use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Algebra 2 (semester B) builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics.

GEOMETRY

Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles and trigonometric ratios. Geometry A consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

Semester B This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles, and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of 2-dimensional and 3-dimensional objects. Geometry B consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

INTEGRATED MATH

Integrated Math 1 Students use arithmetic properties of subsets of integers and rational, irrational and real numbers by simplifying expressions, solving linear equations and inequalities, graphing equations, finding the equation of a line, working with monomials and polynomials, and factoring and completing the square. Students use properties of the number system to judge the validity of results, justifying each step of the procedure to prove or disprove statements. Students compute perimeter, circumference, area, volume and surface area of geometric figures. Students also use basic trigonometric functions defined by the angles of a right triangle.

SCIENCE - 1 CREDIT

CHEMISTRY A&B

In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order

thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

In Chemistry 1 B, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

PHYSICS A&B

Students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher.

Physics B continues the student's exploration of mechanics while also guiding them through some other important topics of physics. Students begin by exploring simple harmonic motion, wave properties, and optics. Students then learn the basics of thermodynamics and fluids. Afterwards, the students explore the principles of electricity and magnetism. Finally, students explore the area of physics known as Modern Physics, which includes topics such as the photoelectric effect, nuclear science, and relativity. **This is a trig based course. It is assumed you know and can use trigonometry.**

FINE ARTS: - 1 CREDIT

ART HISTORY - .5 CREDIT

This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.

MUSIC APPRECIATION - .5 CREDIT

Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

BIBLE: - 1 CREDIT

Two Bible credits are required for graduation from The Oaks Private School.

Theology 101 – 1 credit

The Genesis Story - .5 credit

The David Story - .5 credit

Dante's Divine Comedy – 1 credit

ACCELERATE COURSES

12th GRADE

A MINIMUM OF SIX CREDITS REQUIRED FOR 12th GRADE.

See electives and other core choices at end of document

CLICK HERE FOR GRADUATION REQUIREMENTS:

<https://theoaksprivateschool.org/graduation-requirements/>

ENGLISH 12 – 1 CREDIT

Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolve around the theme for the unit. Themes include the self, relationships, alienation, choice, and death. As students read these works, they have the opportunity to reflect on these important themes by writing in multiple modes and creating cross-disciplinary projects.

Semester B “There is nothing either good or bad, but thinking makes it so” – Shakespeare Welcome to the contemporary world literature course. In this course you will experience the novels, short stories, poetry, and non-fiction from countries around the world. You will discover that the writers in this course have ideas and lives as interesting as their work. You will discover many writers have unique writing styles, unique ideas, unique lives, and unique approaches to their art. You will also have the chance to do some unique work of your own. By reading contemporary work and some work of the 20th century you will also discover that “no matter what a writer’s origins, certain themes and events have been hard to run away from in the 20th and early 21st centuries.” As you read, it is my hope that you will come to an understanding that, “. . .reading literature from around the world is unlikely to teach you everything there is to know about a culture. But it may help. . .” Along this journey you will use technology, writing, reflection, vocabulary, research, and other academic and personal skills to help you learn to enter the world of your community, your country, and your world. As the poet Gwendolyn Brooks said, “I believe that we should all know each other, we human carriers of so many pleasurable differences. To not know is to doubt, to shrink from, sidestep or destroy.” So begin your own journey through the world, and do this by reading, writing about what you read, and experiencing the work of writers.

Materials

In this course, you are required to read two novels from the You-Choose list in addition to the works that are listed as required reading below. After selecting the novels you will read as your choices, download the appropriate novel guides using the links below.

- *Jane Eyre* by Charlotte Bronte (Semester A)
- *The Grapes of Wrath* by John Steinbeck (Semester B)
- *The Alchemist* by Paulo Coelho (Semester B)
- *The Metamorphosis* by Franz Kafka (Semester B)
- *Hamlet* by William Shakespeare (Semester B)

You-Choose Novels:

- *1984* by George Orwell
- *Wuthering Heights* by Emily Bronte
- *Brave New World* by Aldous Huxley
- *Othello* by Julius Lester
- *One Hundred Years of Solitude* by Gabriel Garcia Marquez
- *A Tale of Two Cities* by Charles Dickens
- *Cry, the Beloved Country* by Alan Paton
- *Frankenstein* by Mary Shelley

SOCIAL STUDIES – 1 CREDIT

*See grades 9-11 and electives for Social Studies courses.
Standard diploma requires 3 Social Studies courses for graduation.
College Prep and Honors diploma requires 4 Social Studies courses.*

MATHEMATICS – 1 CREDIT

PRE-CALCULUS

In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations.

Pre-Calculus Part B covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

SCIENCE – 1 CREDIT

*See grades 9-11 and electives for Social Studies courses.
Standard diploma requires 3 Social Studies courses for graduation.
College Prep and Honors diploma requires 4 Social Studies courses.*

FINE ARTS: - 1 CREDIT

ART HISTORY - .5 CREDIT

This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.

MUSIC APPRECIATION - .5 CREDIT

Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

BIBLE: - 1 CREDIT

Two Bible credits are required for graduation from The Oaks Private School.

- Theology 101 – 1 credit
- The Genesis Story - .5 credit
- The David Story - .5 credit
- Dante's Divine Comedy – 1 credit