

*Regional Safe School Program
Of Lake County*

Course
Catalog

Table of Contents

● Curriculum Introduction	3
● RSSP H. S. Course Catalog	4
● High School Curriculum	5
○ English	5
○ Social Studies	7
○ Physical Education	9
○ Science	10
○ Math	12
○ Electives	14
● RSSP M. S. Course Catalog	15
● Middle School Curriculum	16
○ Language Arts	16
○ Social Studies	17
○ Physical Education	18
○ Science	19
○ Math	20

RSSP Curriculum Introduction

The curriculum of the Regional Safe School Program is delivered via a two-pronged approach of teacher guided and teacher assisted courses. Our teacher guided program is similar to the classes found in any traditional high school/middle school, with the classroom teacher playing the role of facilitator and guide within the confines of the coursework. Our teacher guided courses feature small classes with a diversity of teaching styles to meet the needs of our unique student body. For a complete list of the teacher guided courses and descriptions offered at the Regional Safe School Program, please see the following list.

The teacher assisted portion of the Regional Safe School Program curriculum is delivered via our credit recovery program. The credit recovery program has undergone numerous changes in recent years and has emerged as an effective and efficient force in assisting students to recover credits and move ahead with their studies while enrolled in the program. The main curricular device employed in our credit recovery program is the online FUELED program (www.getfueled.com), which is a rigorous, standards aligned, interactive education program. The FUELED Program provides courses that are designed to fit differing student needs and ability levels, by offering courses at the foundations, core, honors, and AP levels. To maintain up to date information and to continue to meet the changing needs of students, FUELED offers elective courses which allow students to fulfill most graduation requirements. Moreover, the material presented by FUELED is constantly updated so students are receiving the most up-to-date and accurate information possible. Due to the interactive nature of the FUELED courses and the diligence of the credit recovery staff, students enrolled in the RSSP credit recovery program are often able to finish credits in a shorter amount of time than in the traditional classroom. For a list of FUELED courses with descriptions please go to www.getfueled.com/products-services/curriculum.

RSSP H. S. Course Catalog

Course Number	CORE COURSES	Credit
01001A000	ENGLISH 1	1.00
01002A000	ENGLISH 2	1.00
01003A000	ENGLISH 3	1.00
01004A000	ENGLISH 4	1.00
02051A000	PREALGEBRA	1.00
02157A000	CONSUMER MATH	1.00
02052A000	ALGEBRA 1	1.00
02056A000	ALGEBRA 2	1.00
02072A000	GEOMETRY	1.00
02061A000	INTEGRATED MATH III	1.00
02201A000	PROBABILITY & STATISTICS	0.50
02110A000	PRECALCULUS	1.00
03051A000	BIOLOGY	1.00
03001A000	EARTH SCIENCE	1.00
03159A000	PHYSICAL SCIENCE	1.00
04161A000	CIVICS	0.50
04201A000	ECONOMICS	0.50
04004A000	GEOGRAPHY	1.00
04151A000	GOVERNMENT	0.50
04101A000	US HISTORY	1.00
04051A000	WORLD HISTORY	1.00
08001A000	PHYSICAL EDUCATION	1.00
08051A000	HEALTH	0.50

Course Number	ELECTIVE COURSES	Credit
12104A000	ACCOUNTING	1.00
04251A000	ANTHROPOLOGY	0.50
05151A000	ART APPRECIATION	0.50
05152A000	ART HISTORY	0.50
03004A000	ASTRONOMY	0.50
10003A000	COMPUTER LITERACY	0.50
22201A000	FAMILY & CONSUMER SCIENCE	1.00
04065A000	HISTORY OF THE HOLOCAUST	0.50
16052A001	INTRO TO CULINARY ARTS	0.50
12053A000	INTRO TO ENTREPRENEURSHIP	1.00
01065A000	MYTHOLOGY & FOLKLORE	1.00
16054A003	NUTRITION & WELLNESS	0.50
22210A000	PERSONAL FINANCE	0.50
04306A000	PHILOSOPHY	0.50
04254A000	PSYCHOLOGY	0.50
04258A000	SOCIOLOGY	0.50
07002A000	WORLD RELIGIONS	0.50

Updated 03/08/17

High School Curriculum

English

Our English curriculum is constructed to maximize student opportunities to develop, enhance, and demonstrate mastery of the necessary communication skills for academic success. In accordance with the Illinois Common Core Standards, the English courses taught at the Regional Safe School Program require students to:

- demonstrate independence
- build strong content knowledge
- refine and share their knowledge through writing and speaking
- respond to the varying demands of audience, task, purpose, and discipline.
- comprehend as well as critique.
- value evidence.
- use technology and digital media strategically and capably.
- come to understand other perspectives and cultures.

Also in accordance with the Common Core Standards, the RSSP English courses seek to provide students with the skills necessary for college success through exposing them to literary classics and requiring critical thinking skills for in class assignments. The high school program for English provides excellent opportunities for students to apply their knowledge in real world setting through field trips to the Chicago Shakespeare Theatre and the Illinois Holocaust Museum.

For FUELED Course Descriptions please click
www.getfueled.com/products-services/curriculum

English Course Descriptions

Course Name (FUELED Equivalent)	Course Number
English 1 (<i>English Language Arts 9</i>)	01001A000
English 2 (<i>English Language Arts 10</i>)	01002A000
English 3 (<i>English Language Arts 11</i>)	01003A000
English 4 (<i>English Language Arts 12</i>)	01004A000

English 1

Course Number: 01001A000

The English 1 course seeks to build the skills that students will need for high school success as well as reinforce skills learned in middle school. English 1 is a reading/writing intensive course that requires students to think critically about literary works and apply their knowledge of those works in written assignments. Students have the opportunity to engage well known texts and practice necessary communication skills in this course. Some featured works are: *Night* (Weisel), *The Odyssey* (Homer), *The Scarlet Letter* (Hawthorne)

English 2

Course Number: 01002A000

English 2 continues the path set forth in English 1 of using literary texts, as well as poetry and short stories, to gain a better command of the English language from both a comprehension and application perspective. The course also requires application of the written word in student developed essays, poetry, and short stories. Critical analysis of works read in class form the basis of the course. Some featured works are: shorts stories of Edgar Allen Poe and Kurt Vonnegut, *The Power of One* (Courtenay), *The Things They Carried* (O'Brien)

English 3

Course Number: 01003A000

English 3 presents material of great depth and challenges students to move beyond the surface of what they read and write. The featured works often invoke larger issues and require students to think critically about the world in which they live and make conclusions based upon introspection. Some featured works are: *Black Boy* (Wright), the works of William Shakespeare, *A Lesson Before Dying* (Gaines)

English 4

Course Number: 01004A000

English 4 requires higher order thinking skills which challenge students to mold and apply language to fit their needs. College level texts and assignments are the basis of the curriculum which requires a solid foundation upon which to build success. Some featured texts are: *Death of a Salesman* (Miller), *The Zookeeper's Wife* (Ackerman), *Zlata's Diary* (Filipović)

Social Studies

The curriculum for Social Studies at the Regional Safe School Program demands students exhibit the skills and strategies necessary for success across the curriculum. Social studies, by nature, allows for students to develop cross-curricular critical-thinking skills that will serve them well both in and outside of the classroom. Additionally, our social studies courses engage students in all levels of academic inquiry and skill-building. These skills include, but are not limited to, reading, writing, research, answer synthesis, and Socratic Dialogues. The RSSP social studies curriculum is directly tied to the Common Core Standards as students are required to demonstrate an understanding of:

- Text Types and Purposes
- Production and Distribution of Writing
- Research to Build and Present Knowledge
- Range of Writing

Through all of the course offerings within the discipline, the social studies program at the Regional Safe School Program seeks to teach students the importance of the historical past through the prism of the present day world. Making history and social studies applicable to today's student is one of the most important ideals of the social sciences, and the overarching theme by which the social studies program at RSSP is designed.

For FUELED Course Descriptions please click
www.getfueled.com/products-services/curriculum

Social Studies Course Descriptions

Course Name (FUELED Equivalent)	Course Number
Government (<i>Government</i>)	04151A000
United States History (<i>Survey of US History</i>)	04101A000
World History (<i>World History</i>)	04051A000
Civics	04161A000

Government

Course Number: 04151A000

The government course at RSSP is a comprehensive overview of the organization and inner workings of the government of the United States as well as the government of the State of Illinois. Topics covered in the course include: how a bill becomes a law, the presidency, the structure of the Illinois court system, and the rights guaranteed to citizens of both the United States and the State of Illinois among many other topics. Additionally, through this course students will fulfill the graduation requirement of passing the U.S. and Illinois Constitution tests.

United States History

Course Number: 04101A000

The RSSP course in United States history functions as a means for students to explore the past through the lens of the present. The material in the course seeks to give students an idea of the who, where, when, why, and how of American history. By covering topics from the founding of the colonies in the New World to recent historically significant events, students are given the opportunity to see how we became the nation that we are today. The strongly interdisciplinary course requires students to do a great deal of reading, writing, and critical thinking to achieve success.

World History

Course Number: 04051A000

The world history course at RSSP covers a great number of important events and civilization that have shaped both Western and non-Western society. By covering diverse groups such as the Greek, Roman, the Fertile Crescent civilizations, and those of ancient China among others, students are exposed to differing aspects of these unique and historic cultures. By gaining an understanding of the history of different people the world over, students can begin to understand the differences that they see in their own world today and gain a respect for other cultures. As with US history, this is a highly interdisciplinary course with a focus on reading and writing to achieve classroom success.

Civics

Course Number: 04161A000

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

Physical Education

Our physical education curriculum at the Regional Safe School Program is challenging to both students with high and low levels of physical fitness. By incorporating fitness related activities, team and individual sports, as well as strength building, the Regional Safe School Program PE curriculum effectively covers the major areas of fitness that our students need. The team building nature of the sports played in PE classes has an impact well beyond just a classroom grade. Our students are taught to function together as a unit to achieve a concrete goal as well as learn the importance of sportsmanship and interpersonal/inter-team dynamics.

Physical Education Course Descriptions

Course Name (FuelEd Equivalent)	Course Number
High School PE (<i>Lifetime Fitness</i>)	08001A000
Health	08051A000

High School PE

Course Number: 08001A000

The high school PE program is based on the dual concepts of lifetime fitness and teamwork. Through team sports, such as football, volleyball, softball, and many others students learn to work together towards a common goal and support their classmate in that endeavor.

Additionally, all PE students are taught the importance of lifetime fitness as a path to a healthier and happier life. Students take part in fitness activities that focus on both aerobic and anaerobic skills.

Health

Course Number: 08051A000

The Health course is designed to encourage students to take an active role in personal health. Students will learn about a variety of health topics including, health risks, types of illnesses, functions of the major systems of the body, and health career options. Objectives from elective courses are not tested on national or state achievement tests. As a result, there are no course and adaptive assessments developed for our elective course titles.

Science

The revamped science curriculum of the Regional Safe School Program is heavily based on important overarching concepts in a number of areas. Additionally, students are given the opportunity to apply their skills and learn material in a hands-on way through laboratory experiments and demonstrations. The sciences courses in the program are divided between Biology, Earth Science, and Physical Science which cover a majority of the core science classes offered in the traditional high school curriculum. The small class size of the Regional Safe School Program offer the perfect opportunity for our students to work in small groups, or independently, with direct teacher interaction, to complete fun and educational labs. Some of the labs that students have completed in our sciences classes have focused on rocketry, genetics, and simple machines among many others. The laboratory aspect of the RSSP science classes allows students to connect scientific concepts to the larger world outside of the classroom and apply the lessons of the classroom in a concrete way. These skills fall within the Common Core Standards which form the basis of all courses within the Regional Safe School Program. These skills include, but are not limited to:

- Comparing and combining data from a single data presentation with data from a complex data presentation
- Analyzing given information when presented with new, simple information
- Predicting the results of an additional trial or measurement in an experiment
- Selecting a complex hypothesis, prediction, or conclusion that is supported by a data presentation or model
- Understanding precision and accuracy issues
- Determining whether given information supports or contradicts a complex hypothesis or conclusion and why
- Understanding the methods and tools used in a simple experiment

For FUELED Learning Descriptions please click www.getfueled.com/products-services/curriculum

Science Course Descriptions

Course Name (FUELED Equivalent)	Course Number
Biology (<i>Biology</i>)	03051A000
Earth Science (<i>Earth Science</i>)	03001A000
Physical Science (<i>Physical Science</i>)	03159A000

Biology

Course Number: 03051A000

The RSSP biology course is a comprehensive inquiry into the basic aspect of all life on Earth. Students are exposed to the idea that all life is interrelated to form ecosystems and maintain the homeostasis necessary for life. Understanding of the diverse kingdoms of living things, how the members of these kingdoms maintain and reproduce themselves, and why these ideas are important to us, form the basis of the course. This course also includes hands-on laboratory activities that seek to reinforce and demonstrate the topic discussed in the class to ensure student understanding and ability to apply the material.

Earth Science

Course Number: 03001A000

Earth Science seeks to educate students about the basics of how planet Earth operates. Topics in scientific disciplines such as meteorology, geology, mineralogy, astronomy, seismology and climatology are covered within the course. Taken together, the various branches of science covered in this class help students to understand the world in which they live, and how it came to be the way it is. This course is taught from a highly stimulating, multimedia perspective that also contains a strong laboratory component so as to facilitate student interest and engagement with the material.

Physical Science

Course Number: 03159A000

Physical science is a course that covers a great number of differing topics to give students a well rounded understanding of the vastness of scientific inquiry that exists. Focusing on topics in aerodynamics, physics, chemistry, and thermodynamics in an interactive way, students are able to develop skills that are necessary to understand the physical world in which they live. A highly developed laboratory program allows students to see the ideas learned in a controlled, yet stimulating environment.

Math

The mathematics curriculum is delivered through the computer-based education system called FuelEd with direct teacher interaction and assistance. Due to the difficulty that many students have with math, our math courses are small in size so as to allow maximum one-on-one time for any student who needs assistance. The combined instructive nature of our math courses allows students to learn the material in the way that best suits them. If a student most effectively works independently, they are allowed to do so; if the student needs teacher guidance, they can get that as well. The interactive nature of the FuelEd program also teaches math in a more stimulating way than the traditional paper, pencil, math book approach that many students are accustomed to. Moreover, since each student works at his/her own pace they are not encumbered by the needs of the other students in the class. Skills taught in our math courses include, but are not limited to:

- Solving complex arithmetic problems
- Reading tables and graphs
- Evaluating algebraic expressions
- Using geometric formulas
- Solving real world problems using first degree equations
- Manipulating data from tables and graphs
- Applying basic trigonometric ratios
- Drawing conclusions based on a set of conditions
- Writing expressions that require planning and/or manipulating to accurately model a situation

All course descriptions for mathematics classes at the Regional Safe School Program can be viewed through the FuelEd website at www.getfueled.com/products-services/curriculum

Math Course Descriptions

Course Name	Course Number
PreAlgebra	02051A000
Algebra I	02052A000
Algebra II	02056A000
Geometry	02072A000
PreCalculus	02110A000
Consumer Math	02157A000

PreAlgebra

Course Number: 02051A000

In this course, students learn computational and problem -solving skills and the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. A textbook provides students with a ready reference and explanations that supplement the online material. Online lessons provide demonstrations of concepts, as well as interactive problems with contextual feedback.

Algebra I

Course Number: 02052A000

In this course, students explore the tools of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; solve systems of linear equations; use ratios, proportions, and percentages to solve problems; use algebraic applications in geometry, including the Pythagorean theorem and formulas for measuring area and volume; complete an introduction to polynomials; and understand logic and reasoning.

Algebra II

Course Number: 02056A000

This course builds upon algebraic concepts covered in Algebra. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices.

Geometry

Course Number: 02072A000

Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.

PreCalculus

Course Number: 02110A000

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

Consumer Math

Course Number: 02157A000

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.

Electives

While enrolled in the Regional Safe School Program, students will be able to earn credits that fulfill their graduation requirements. This includes elective coursework. Electives are offered to students via the computer based FuelEd program (www.getfueled.com), which is a rigorous, standards aligned interactive education program. FuelEd encompasses a broad range of subjects in order to best match student interests as well as high school graduation requirements (for a complete list of courses refer to High School Course Catalogue).

For FuelEd Learning Descriptions please click:

www.getfueled.com/products-services/curriculum

RSSP Middle School Course Catalog

Course Number	CORE COURSES
51034A000	Language Arts (grade 6)
51035A000	Language Arts (grade 7)
51036A000	Language Arts (grade 8)
52036A000	Mathematics (grade 6)
52037A000	Mathematics (grade 7)
52038A000	Mathematics (grade 8)
53236A000	Science (grade 6)
53237A000	Science (grade 7)
53238A000	Science (grade 8)
54436A000	Social Studies (grade 6)
54437A000	Social Studies (grade 7)
54438A000	Social Studies (grade 8)
58036A000	Physical Education (grade 6)
58037A000	Physical Education (grade 7)
58038A000	Physical Education (grade 8)

Course Number	ELECTIVE COURSES
58051A000	Health
55186A000	Art (grade 6)
55187A000	Art (grade 7)
55188A000	Art (grade 8)
55136A000	Music (grade 6)
55137A000	Music (grade 7)
55138A000	Music (grade 8)
51046A000	Reading (grade 6)
51047A000	Reading (grade 7)
51048A000	Reading (grade 8)

Updated 08/11/17

Middle School Curriculum

The middle school curriculum of the Regional Safe School Program is designed to facilitate our students' transition back to their home school as well as a successful transition from middle school to high school. Regional Safe School Program middle school students have traditionally performed well on these standardized tests in part due to the rigorous curriculum followed by our middle school program. Skills such as math, reading, and writing are a major focus across the curriculum so as to allow students to improve on these oft-deficient skills.

Language Arts

The language arts curriculum is delivered through the web-based education system called MobyMax, with direct teacher interaction and assistance. The combined instructive nature of the language arts courses allows students to learn the material in an individualized way. Skills taught in our language arts courses include but are not limited to:

Vocabulary

Grammar

Reading and interpretation of fiction and non-fiction stories, articles, novels and plays

Writing and related writing projects.

All course descriptions for language arts classes at the RSSP Regional Safe School Program can be viewed through the Moby Max website at www.mobymax.com

Language Arts (grade 6)

Course Number: 51034A000

Language Arts (grade 6) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. These courses may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6.

Language Arts (grade 7)

Course Number: 51035A000

Language Arts (grade 7) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Beyond emphasizing different uses for language, these courses may also include using language (particularly written text) to construct meaning and connections. Specific content depends upon state standards for grade 7.

Language Arts (grade 8)

Course Number: 51036A000

Language Arts (grade 8) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.

Social Studies

The social studies curriculum focuses primarily on concepts in United States history, including the United States and Illinois Constitution Tests.

Social Studies (grade 6)

Course Number: 54436A000

Social Studies (grade 6) courses provide a greater understanding of social studies disciplines, including history, geography, civics and government, and economics. These courses often focus on the history, culture, and government of various specific world societies. Specific content depends upon state standards for grade 6.

Social Studies (grade 7)

Course Number: 54437A000

Social Studies (grade 7) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for grade 7.

Social Studies (grade 8)

Course Number: 54438A000

Social Studies (grade 8) courses provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Typically, these courses focus on single disciplines at a time (e.g., state-specific history and government, U. S. history, world history, or civics) to develop discipline-related skills. Specific content depends upon state standards for grade 8.

Physical Education

The PE curriculum is varied in terms of the activities offered each day, but focuses on individual and team athletic and fitness skills.

Physical Education (grade 6)

Course Number: 58036A000

Physical Education (grade 6) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 6.

Physical Education (grade 7)

Course Number: 58037A000

Physical Education (grade 7) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 7.

Physical Education (grade 8)

Course Number: 58038A000

Physical Education (grade 8) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included. Specific content depends upon state standards for grade 8.

Science

The science curriculum is done on a rotating basis and contains materials and skills related to life, earth, and physical sciences.

Science (grade 6)

Course Number: 53236A000

Science (grade 6) courses typically include subject matter from several strands of science, including earth/space sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 6.

Science (grade 7)

Course Number: 53237A000

Science (grade 7) courses build on previous years of scientific inquiry and typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 7.

Science (grade 8)

Course Number: 53238A000

Science (grade 8) courses typically include subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 8.

All course descriptions for science classes at the Regional Safe School Program can be viewed through the MobyMax website at www.mobymax.com

Math

The mathematics curriculum is delivered through the web-based education system called MobyMax with direct teacher interaction and assistance. Due to the difficulty that many students have with math, our math courses are small in size so as to allow maximum one-on-one time for any student who needs assistance. The combined instructive nature of our math courses allows students to learn the material in the way that best suits them. The interactive nature of the MobyMax program also teaches math in a more stimulating way than the traditional paper, pencil, math book approach that many students are accustomed to. The students are put into individual courses due to their respective grade levels. Skills taught in our math courses include, but are not limited to:

- Using mathematical operations involving fractions, decimals, and integers
- Reading tables and graphs
- Using ratios, rates, and unit rates
- Creating and using functions
- Solving algebraic equations for single and multiple variables
- Introduction and development of the use of the Coordinate Plane

All course descriptions for mathematics classes at the Regional Safe School Program can be viewed through the MobyMax website at www.mobymax.com

Our mathematics curriculum is tailored to the needs of our students and is based primarily in pre-algebra and algebra concepts.

Mathematics (grade 6)

Course Number: 52036A000

Mathematics (grade 6) courses typically emphasize skills in numerical operations (including basic operations and their proper order); measurement; patterns; simple functions; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 6.

Mathematics (grade 7)

Course Number: 52037A000

Mathematics (grade 7) courses emphasize proficiency in skills involving numbers and operations; measurement; patterns; functions; algebraic formulas; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 7.

Mathematics (grade 8)

Course Number: 52038A000

Mathematics (grade 8) courses typically emphasize proficiency in skills involving numbers and operations, measurement, patterns, simple functions, algebra, geometry, statistics and probability. Specific content depends upon state standards for grade 8.