

*Regional Safe School Program  
Of Lake County*

# Course Catalog

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## **RSSP Curriculum Introduction**

The Regional Safe School Program curriculum is delivered via a two-pronged approach of teacher-assisted courses and an online learning curriculum. The main curricular device employed in both course formats is the online FUELED program ([www.getfueled.com](http://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 allowing differentiation of instruction. 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 teaching staff, students enrolled in the RSSP are often able to finish credits in a shorter amount of time than in the traditional classroom. This assists students to recover credits and move ahead with their studies while enrolled in the program.

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# RSSP H. S. Course Catalog

Course Number	CORE COURSES	Credit	Course Number	ELECTIVE COURSES	Credit
01001A000	ENGLISH 1	1.00	01104A000	CREATIVE WRITING	1.00
01002A000	ENGLISH 2	1.00	01062A000	GOTHIC LITERATURE	0.50
01003A000	ENGLISH 3	1.00	11101A000	JOURNALISM	0.50
01004A000	ENGLISH 4	1.00	01065A000	MYTHOLOGY & FOLKLORE	0.50
02051A000	PREALGEBRA	1.00	12104A000	ACCOUNTING	1.00
02052A000	ALGEBRA 1	1.00	02110A000	PRECALCULUS	1.00
02056A000	ALGEBRA 2	1.00	02157A000	CONSUMER MATH	1.00
02072A000	GEOMETRY	1.00	22210A000	PERSONAL FINANCE	0.50
02061A000	INTEGRATED MATH III	1.00	02201A000	PROBABILITY & STATISTICS	0.50
03001A000	EARTH SCIENCE	1.00	03053A000	ANATOMY & PHYSIOLOGY	1.00
03051A000	BIOLOGY	1.00	03004A000	ASTRONOMY	1.00
03159A000	PHYSICAL SCIENCE	1.00	15051A000	FORENSIC SCIENCE	0.50
04004A000	GEOGRAPHY	1.00	16054A003	NUTRITION & WELLNESS	0.50
04051A000	WORLD HISTORY	1.00	04251A000	ANTHROPOLOGY	0.50
04101A000	US HISTORY	1.00	04254A000	PSYCHOLOGY	0.50
04151A000	GOVERNMENT	0.50	04258A000	SOCIOLOGY	1.00
04161A000	CIVICS	0.50	05151A000	ART APPRECIATION	1.00
04201A000	ECONOMICS	0.50	05152A000	ART HISTORY	0.50
08001A000	PHYSICAL EDUCATION	1.00	10003A000	COMPUTER LITERACY	0.50
08016A000	LIFETIME FITNESS	1.00	16052A001	INTRO TO CULINARY ARTS	0.50
08051A000	HEALTH	0.50	12053A000	INTRO TO ENTREPRENEURSHIP	1.00
			22206A000	LIFE SKILLS (Advisory)	1.00

# 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.

### *English 1*

*Course Number: 01001A000*

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

### *English 2*

*Course Number: 01002A000*

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about written compositions' alternate aims and audiences by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

### *English 3*

*Course Number: 01003A000*

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

### *English 4*

*Course Number: 01004A000*

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

## 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. Moreover, since each student works at his/her own pace they are not encumbered by the needs of the other students in the class.

### *Pre-Algebra*

*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 and 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.

### *Integrated Math III*

*Course Number: 02061A000*

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and usually covers the following topics during a three or four year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure.

## *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.

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## *Science*

The science curriculum of the Regional Safe School Program is heavily based on important overarching concepts in a number of areas. 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. Additionally, students are given the opportunity to apply their skills and learn material through virtual laboratory experiments and demonstrations. 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

## *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.

### *Biology*

*Course Number: 03051A000*

The RSSP biology course is a comprehensive inquiry into the chemistry of living things. Students are exposed to the idea of how structure relates to function. Students cover a variety of topics: such as genetics, cell biology, evolution, and ecology. This course also includes virtual laboratory activities that seek to reinforce and demonstrate the topics covered in the course, and to ensure student understanding and ability to apply 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.

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### *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 academic inquiry and skill-building levels. 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 students 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.

### *Geography*

*Course Number: 04004A000*

Following the College Board's suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice.

### *World History*

*Course Number: 04051A000*

The world history course at RSSP covers a great number of important events and civilizations 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.

### *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.

### *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.

### *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.

### *Economics*

*Course Number: 04201A000*

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

### **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 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.

### *Lifetime Fitness*

*Course Number: 08016A000*

In this course students will study physical, emotional, mental, and social health. They will study how to maintain and improve all facets of health while learning about disease and illness prevention. Students will learn and practice principles of fitness, wellness, and health to develop habits of healthy living. Students will explore topics that include the physiology of diet and exercise, biomechanics, and team dynamics.

### *Health*

*Course Number: 08051A000*

This course focuses on important skills and knowledge in nutrition; physical activity, the dangers of substance use and abuse; injury prevention and safety; growth and development; personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance and promote their health and the health of others.

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### *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, 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 Catalog, page 1).

# 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
55187A000	American Art
72151A000	Career Explorations
60003A000	Computer Literacy
61101A000	Journalism
58051A000	Health
55152A000	World Art I
55151A000	World Art II
72006A000	Life Skills (Advisory)

Course Number	ESY COURSE
72002A000	State Test Preparation
72003A000	MS Study Skills

# Middle School Curriculum

## Language Arts

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.

### *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.

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## Math

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. Students engage in whole class instruction, in order to strengthen new learned skills. The combined instructive nature of our math courses allows students to learn the material in the way that best suits them. 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

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.

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**Science**

The science curriculum 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.

## **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.

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## **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.

### *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.

### *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.

## **Electives**

While enrolled in the Regional Safe School Program, all middle school students are required to take elective courses each quarter as they are factored into promotion to the next grade level. FuelEd encompasses a broad range of content in order to encourage students to pursue interests and passions beyond the core curriculum. A complete list of available electives is listed on page 8, Middle School Course Catalog.