

Leona Advanced Virtual Academy Now Offers Online Courses for Middle and High School

Experience Learning Outside the Box!

- * 100% Online Education
- * Highly Qualified Teachers
- * Interactive Curriculum
- * Personal Contact with Teachers
- * Advanced Placement Courses (AP) for College Credit
- * High School Credit for Advanced Middle School Students



Serving grades 7-12
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2011–2012 courses

High School



Business Technology

Computing for College & Careers	1.0
Web Design I	1.0
Web Design II	1.0

Computer Science

Computer Programming I	1.0
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Health & Physical Education

Adaptive Physical Education IEP or 504 Plan	0.5
Fitness Lifestyle Design	0.5
Health Opportunities through Physical Education	1.0
Life Management Skills	0.5
Personal Fitness	0.5

Language Arts

English I / English I Honors	1.0
English II / English II Honors	1.0
English III / English III Honors	1.0
English IV / English IV Honors	1.0
Reading for College Success	0.5

Mathematics

Algebra I A	1.0
Algebra I B	1.0
Algebra I / Algebra I Honors	1.0
Algebra II / Algebra II Honors	1.0
Calculus	1.0
Geometry / Geometry Honors	1.0
Liberal Arts Math	1.0
Pre-Calculus	1.0

Science

Biology / Biology Honors	1.0
Chemistry / Chemistry Honors	1.0
Earth Space Science / Earth Space Science Honors	1.0
Marine Science / Marine Science Honors	1.0
Physical Science / Physical Science Honors	1.0
Physics / Physics Honors	1.0

Social Studies

American Government / Am. Govt. Honors	0.5
American History / Am. Hist. Honors	1.0
Economics / Economics Honors	0.5
Global Studies	1.0
Psychology I	0.5
World History / World History Honors	1.0

Study Skills

Thinking & Learning Strategies	0.5
SAT Prep	0.5

Advanced Placement Program*

Advanced Placement Courses

AP Art History	1.0
AP Biology	1.0
AP Calculus AB	1.0
AP Calculus BC	1.0
AP Computer Science A	1.0
AP English Language & Composition	1.0
AP English Literature & Composition	1.0
AP Environmental Science	1.0
AP Macroeconomics	0.5
AP Microeconomics	0.5
AP Psychology	1.0
AP Spanish	1.0
AP Statistics	1.0
AP U.S. Government & Politics	0.5
AP U.S. History	1.0

Advanced Placement Exam Reviews

AP Art History	
AP Biology	
AP Calculus AB	
AP English Language & Composition	
AP English Literature & Composition	
AP European History	
AP Macroeconomics	
AP Spanish Language	
AP U.S. Government & Politics	
AP U.S. History	

*AP and Advanced Placement Program are registered trademarks of the College Board, which was not involved in the production of, and does not endorse, this product.

**Conspiracy Code courses will be available in Spring 2011. Restrictions may apply.

Middle School

High School Electives

The following high school elective courses are offered through Global School and EasyStart models only. Some software/materials may not be included for select courses.

3D Art I – Modeling	0.5
3D Art II – Animation	0.5
Computer Aided Design	0.5
Computer Literacy	0.5
Digital Arts I	0.5
Digital Arts II	0.5
Digital Photography & Graphics	0.5
Digital Video Production	0.5
Green Design and Technology	0.5
Introduction to C++ Programming	0.5
Introduction to Entrepreneurship I	0.5
Introduction to Entrepreneurship II	0.5
Introduction to Marketing I	0.5
Introduction to Marketing II	0.5

Learning Recovery™ Courses

High School

English:	Social Studies:
English I	American Government
English II	American History
English III	Economics
English IV	World History

Mathematics:	Middle School
Algebra I	Mathematics:
Algebra II	Mathematics I
Geometry	Mathematics II
	Mathematics III

Science:
Biology
Chemistry
Earth Space Science
Physical Science
Physics

Art

Orientation to Art 2-D	0.5
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Business Education

Keyboarding	0.5
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Health & Physical Education

Fitness – Grade 6	0.5
Comprehensive PE – Grades 6 & 7	0.5
Comprehensive PE – Grades 7 & 8	0.5

Language Arts

Language Arts I / L. A. I Advanced	1.0
Language Arts II / L. A. II Advanced	1.0
Language Arts III / L. A. III Advanced	1.0

Mathematics

Mathematics I / Math I Advanced	1.0
Mathematics II / Math II Advanced	1.0
Mathematics III / Math III Advanced	1.0

Science

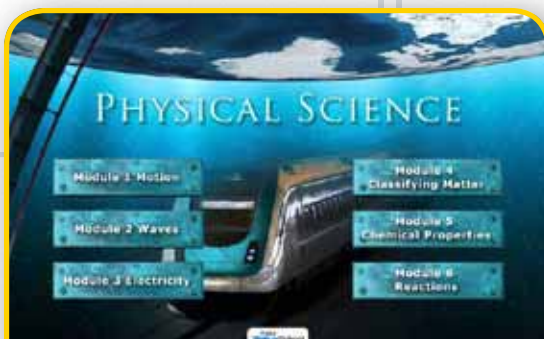
Comprehensive Science I /C. S. I Advanced	1.0
Comprehensive Science II /C. S. II Advanced	1.0
Comprehensive Science III /C. S. III Advanced	1.0

Social Studies

World Cultures / World Cultures Advanced	1.0
U.S. History / U.S. History Advanced	1.0
World Geography	1.0

Study Skills

Critical Thinking, Problem Solving & Learning Strategies	0.5
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Leona Advanced Virtual Academy Course Catalog

High School Courses

Advanced Placement*

AP Art History: Students will examine major forms of artistic expression from the past and present and from a variety of cultures. While learning to look at these works of art critically, with intelligence and sensitivity, students will articulate what they see or experience. **Prerequisites:** Successful completion of World History is recommended (not required). **Credits:** 1.0

AP Biology: This challenging course is designed to provide a college-level experience. Over two semesters, students are engaged in a wide variety of activities, with substantial emphasis on interpreting and collecting data in virtual labs, writing analytical essays, and mastering Biology concepts. **Prerequisites:** Biology I, Chemistry I, Algebra I **Credits:** 1.0

AP Calculus AB: This course consists of a full high school year of work that is comparable to college and university calculus courses. Taking this course will help prepare students for the Calculus AB Advanced Placement® Exam. **Prerequisites:** Algebra I, Geometry, Algebra II, Pre-calculus or Trigonometry/Analytical Geometry **Credits:** 1.0

AP Calculus BC: This course consists of a full high school year of work that is comparable to college and university calculus courses. Taking this course will help prepare students for the Calculus BC Advanced Placement Exam. **Prerequisites:** Algebra I, Geometry, Algebra II, Pre-calculus or Trigonometry/Analytical Geometry **Credits:** 1.0

AP Computer Science A: This course involves developing the skills to write programs or part of programs to correctly solve specific problems. Students will learn design techniques to make programs understandable, adaptable, and reusable. **Prerequisites:** Algebra I & II **Credits:** 1.0

AP English Language and Composition: Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. They will gain understanding of the interactions between writer's purposes, audience expectations, and subjects. **Prerequisites:** English I & II **Credits:** 1.0

AP English Literature and Composition: In this course, students will develop critical standards for the appreciation of literary works and increase their sensitivity to literature as shared experiences. **Prerequisites:** English I, II, & III **Credits:** 1.0

AP Environmental Science: This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will evaluate the risks associated with environmental problems and examine alternative solutions. Laboratories support student content mastery in both hands-on and virtual experiences. **Prerequisites:** Algebra I and two-years of high school Science with labs **Credits:** 1.0

AP Macroeconomics: Students will understand the choices they must make as producers, consumers, investors, and taxpayers. This course provides students with the knowledge and decision-making tools necessary for understanding how a society must organize its limited resources to satisfy its unlimited wants. **Credits:** 0.5

AP Microeconomics: Taking on the role of a leader at a fictitious company, students will learn fundamental economic concepts, including scarcity, opportunity costs and trade-offs, productivity, economic systems and institutions, exchange, money, and interdependence. **Credits:** 0.5



Leona Advanced Virtual Academy Course Catalog

AP Psychology: This is a college-level course providing students an overview of the development of human behaviors and thoughts. Along with preparation for the AP Psychology exam, the goals of this course are to immerse students in modern psychological investigation techniques, to accentuate the ethics and morality of human and animal research, and to emphasize scientific critical thinking skills in application to the social sciences. **Credits:** 1.0

AP Statistics: In this course, students actively construct their own understanding of the methods, interpretation, communication, and application of statistics. Each unit is framed by enduring understandings and essential questions designed to allow students a deep understanding of the concepts at hand rather than memorization and emulation. **Prerequisites:** Algebra II **Credits:** 1.0

AP United States Government and Politics: Students will research the roles of the media, political parties, interest groups, states, candidates, bureaucracy, and the public in the governmental process. They will experience the production of policy building in the areas of economic/social policy, foreign policy, and public administration. **Prerequisites:** Successful completion of American History is strongly recommended. **Credits:** 0.5

AP United States History: Woven into the chronology of this course are the key themes of American History. Issues of American identity, diversity, religion, and culture are examined. Economic transformations, the development of political institutions, and reform movements are evaluated. War, slavery, and demographic changes are assessed. Globalization and environmental issues are analyzed. **Prerequisites:** Successful completion of World History is strongly recommended. **Credits:** 1.0

AP Spanish Language: This course is designed to develop students' interpersonal communication skills in Spanish and to prepare them for the AP Language examination. Students will learn to achieve a high level of ability in listening, speaking, reading and writing. **Prerequisites:** 3-4 years of Spanish or equivalent **Credits:** 1.0

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Business Technology

Computing for College and Careers: The purpose of this course is to guide students in building their career foundation. Students will learn how to turn their computer into an effective tool for communication, acquiring essential business skills needed for any successful career. **Credits:** 1.0

Web Design I: Students will learn Internet basics, HTML, and the file structure of a well-organized Web site. They will practice creating visually interesting web pages with clear text, complimentary colors, visual assets, and appealing designs. **Prerequisites:** Computing for College and Careers or Business Systems and Technology **Credits:** 1.0

Web Design II: In this course, students will learn how to create a storyboard or blueprint for a Web site. They will become well-versed in Web site navigation, style sheets, graphic creation, digital image optimization, security, and server hosting. **Prerequisites:** Computing for College and Careers and Web Design I **Credits:** 1.0

Computer Science

Computer Programming I: This is a two semester course which enables students to learn two modern programming languages, Python and Java. This course teaches programming using real-world, practical examples. Students will learn Python by controlling the motion and sensory capabilities of a robot. **Prerequisites:** Geometry **Credits:** 1.0



Leona Advanced Virtual Academy Course Catalog

Health & Physical Education

Adaptive Physical Education IEP or 504 Plan: Students will learn about proper weight, good diet, and managing stress. As students progress through the course, they will feel their energy level increase. By the end of the course, they will have developed the kind of healthy habits that will last a lifetime. *Please note:* This course is for student's whose IEP/504 indicates the need for modified physical activity. **Prerequisites:** IEP or 504 Plan and FLVS approval required. **Credits:** 0.5

Fitness Lifestyle Design: In this course, students will learn healthy habits of body and mind that will lead to a healthier lifestyle. They will measure their beginning fitness level and nutrition knowledge, creating an individual plan for achieving their goals. **Credits:** 0.5

Health Opportunities through Physical Education (HOPE): In this course, students will experience the many benefits of regular physical activity, proper nutrition, and sound decision making. Students will assess their current physical condition and define personal goals. Students will apply fitness training principles, enhancing improvement in health and skill-related areas of fitness. **Credits:** 1.0

Life Management Skills: This course guides students as they deal with important decisions by providing them with the facts they need. Students will learn how to deal with real issues that impact their lives every day, such as nutrition, substance abuse, stress, and their health. **Credits:** 0.5

Personal Fitness: Students will start by assessing their physical condition. They will keep a workout log to measure progress. In addition, they will have a great personal trainer (their teacher) who will help them set realistic goals. **Credits:** 0.5

Language Arts

English I / English I Honors: In this course, students will gain language arts skills by reading literature, writing, listening, viewing, and speaking. They will learn to use the English language successfully to express themselves. **Credits:** 1.0

English II / English II Honors: Student will be exposed to various forms of communication, including verbal, visual, and audio. In addition to evaluating the plot and characters of well-known writers, students will learn to identify themes, create dialogue, and appeal to emotions through their writing. **Prerequisites:** English I is recommended. **Credits:** 1.0

English III / English III Honors: In this course, the writing and insights of authors throughout history are collected in a fictitious newspaper called "The Virtual Times." Students will gain an appreciation of American literature and learn about the times in which it was written. **Prerequisites:** English I and II are recommended. **Credits:** 1.0

English IV / English IV Honors: In this course, students will be asked to choose pieces of literature that interests them; analyzing the subject matter, and persuasively expressing their own ideas. **Prerequisites:** English I, II, and III are recommended. **Credits:** 1.0

Reading for College Success: This course will provide students with the necessary tools to become successful in both their academics and in the work place. Reading is a vital skill to effectively take notes and summarize the main idea and fact from opinion. This course will empower students to achieve their goals in higher education and in the career of their choosing. Please note: This course is intended for 12th graders whose college placement scores are below the established cut score indicating that they are not "college-ready" in Reading (CPT, below 83; SAT, below 440; ACT, below 18). **Credits:** 0.5



Leona Advanced Virtual Academy Course Catalog

Mathematics

Algebra I A: This course will review some of the fundamental math skills learned in middle school, and then get students up to speed on the basic concepts of algebra. Each module takes students step-by-step into the world of integers, equations, graphs, and data analysis. **Prerequisites:** 7th grade mathematics

Algebra I B: In this course, along with learning new algebraic strategies and properties, students will learn data analysis concepts and techniques. They will also see how algebra connects with other high school subjects like geometry, statistics, and biology. **Prerequisites:** Algebra 1A

Algebra I / Algebra I Honors: This course contains the basic knowledge students need for all high school math courses. Students will understand the practical use of algebra with hundreds of real-world examples. **Prerequisites:** 7th grade mathematics **Credits:** 1.0

Algebra II / Algebra II Honors: Starting with a review of basic algebra, students will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics. **Prerequisites:** Algebra I **Credits:** 1.0

Calculus: This course includes a study of limits, continuity, and differentiation. It integrates algebraic, trigonometric and transcendental functions, and the applications of derivatives and integrals. **Prerequisites:** Algebra I, Geometry, Algebra II, Pre-calculus, or Trigonometry/Analytical Geometry **Credits:** 1.0

Geometry / Geometry Honors: In this course, students will learn about points, lines, and planes. They will learn about shapes and gain an understanding of how geometry affects the world around us. **Prerequisites:** Algebra I or its equivalent **Credits:** 1.0

Liberal Arts Mathematics: This course reinforces existing algebra and geometry skills and explores concepts students will need to master in order to further their study of mathematics. **Prerequisites:** Algebra I is required and Geometry is recommended. **Credits:** 1.0

Pre-calculus: This course includes analytical geometry and trigonometry. Students, as mathematic analysts, will investigate how advanced mathematics concepts can solve problems encountered in operating national parks. **Prerequisites:** Algebra 1, Algebra 2, and Geometry **Credits:** 1.0

Science

Biology I / Biology Honors: This course provides an in-depth look at the fundamental characteristics of living organisms. It is designed to promote scientific inquiry and discovery. Students will be introduced to the structure, function, diversity, and evolution of living organisms. **Credits:** 1.0

Chemistry I / Chemistry I Honors: This course is designed to serve as a foundation for the study of Chemistry and includes: scientific inquiry, Web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application, and a variety of assessments. **Prerequisites:** Algebra I **Credits:** 1.0

Earth Space Science / Earth Space Science Honors: This is a laboratory course focusing on the study of space and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, students will explore Earth's cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. **Credits:** 1.0

Marine Science / Marine Science Honors: Students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. They will investigate characteristics of various populations of



Leona Advanced Virtual Academy Course Catalog

aquatic life, patterns of distribution, and ongoing changes occurring in our ecosystem. **Prerequisites:** Biology I
Credits: 1.0

Physical Science / Physical Science Honors: This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, and chemical bonding and reactions. This course will provide a foundation for the study of the physical sciences. **Credits:** 1.0

Physics I / Physics I Honors: Students will discover the contributions of geniuses like Galileo, Newton, and Einstein. They will learn the concepts, theories and laws that govern the interaction of matter, energy, and forces. **Prerequisites:** Algebra I; Algebra II is recommended **Credits:** 1.0

Social Studies

American Government / American Government Honors: Students will take on the role of a Washington, D.C. intern and spend time working throughout the nation's capital with all three branches of government. They will gain a greater understanding of the country's beginnings, and how government functions at different levels. **Prerequisites:** 11th or 12th grade status and successful completion of English I are recommended. **Credits:** 0.5

American History / American History Honors: Students will look at some of the most profound questions that Americans still debate. They will research many important events throughout the history of America. **Prerequisites:** 10th grade status or higher and successful completion of English I are recommended. **Credits:** 1.0

Economics / Economics Honors: The purpose of this course is to help students become more informed consumers, producers, investors, and taxpayer. Students are shown how their choices directly affect their future. **Prerequisites:** 11th or 12th grade status and successful completion of English I and Algebra I are recommended. **Credits:** 0.5

Global Studies: In this course, students learn about human rights, the environment, global security, and international economic systems. They also learn about different customs, cultures, and how they interact. **Credits:** 1.0

Psychology I: Through this highly interactive course students will acquire an understanding of and an appreciation for human behavior, behavior interaction, and the progressive development of individuals. **Credits:** 0.5

World History / World History Honors: The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. **Credits:** 1.0

Study Skills

Thinking and Learning Strategies: In this course, through reading, writing, and math activities, students will develop critical thinking skills and test-taking strategies. Students will also gain reading, writing, organization, and study strategies. **Credits:** 0.5

SAT Prep: In this course, students will practice thinking strategies, build verbal competence, and sharpen their mathematics reasoning. **Prerequisites:** 10th grade or higher completed or currently taking Geometry **Credits:** 0.5



Leona Advanced Virtual Academy Course Catalog

High School Electives

3D Art I – Modeling: Using Blender, this course will introduce students to 3D modeling tools and concepts. Students will learn the basics of creating shapes, adding textures, lighting, and rendering. **Credits:** 0.5

3D Art II – Animation: In this advanced course, students will build on the skills they developed in 3D Art I to master the basics of animation and 3D modeling. They will also learn about careers in the animation industry. **Prerequisites:** 3D Art I – Modeling **Credits:** 0.5

Computer-Aided Design: In this course, students will master the basics of CAD software: creating points, lines, and other geometric forms, isometric drawings, and 3D models. They will learn how to translate initial concepts into functional designs and 3D walkthroughs. **Credits:** 0.5

Computer Literacy: From the basics of keyboarding to Internet research, this course provides a foundation in the skills and concepts that define computer literacy in the 21st Century. Students will practice using these essential skills through individual and team projects. **Credits:** 0.5

Digital Arts I: In this exploratory course, students will learn the elements of design, as well as foundational concepts of visual communication. While surveying a variety of media and art, they will use Inkscape, a popular digital art program, to put into practice what they've learned. **Credits:** 0.5

Digital Arts II: In the second part of this two-part series, students will build on the skills and concepts they learned in Part I as they develop their vocabulary of digital design elements. Students will learn about the principles of design and use them to create their own unique artworks. By the end of the course, they will have created a collection of digital art projects for their digital design portfolio. **Prerequisites:** Digital Arts I **Credits:** 0.5

Digital Photography & Graphics: Students will learn the basics of composition, color, and layout. At the end of this course, they will create a variety of original projects for inclusion in a graphic design portfolio. **Credits:** 0.5

Digital Video Production: In this course, students will be introduced to all aspects of digital video production; including storyboarding scenes, creating shot lists, and editing a professional product. **Credits:** 0.5

Green Design and Technology: This course will examine the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students will learn about the potential for emerging energy technologies like water, wind, and solar power. By the end of this course, they will have a comprehensive understanding of this fast-growing field. **Credits:** 0.5

Introduction to C++ Programming: Students will complete a series of increasingly complex projects while they learn C++; still one of the most versatile and powerful programming languages available. They will learn the building blocks of programming: functions, loops, arrays, variables, and classes. **Credits:** 0.5

Introduction to Entrepreneurship I: In this course, students will learn how to come up with new business ideas, how to attract investors, how to market their business, and manage expenses. They will be inspired by stories from teen entrepreneurs who have turned their ideas into reality, then plan and execute their own business. **Credits:** 0.5

Introduction to Entrepreneurship II: In this course, students will build on the business concepts they learned in Part I of this two-course series. They will learn about sales methods, refine their technology and communication skills, enhance employability skills, develop interviewing skills, and gain knowledge of the work place. By the end of this course, students will develop a complete business plan and a presentation for potential investors. **Prerequisites:** Introduction to Entrepreneurship I **Credits:** 0.5



Leona Advanced Virtual Academy Course Catalog

Introduction to Marketing I: In this course students will find out what it takes to market a product or service in today's fast-paced business environment. In this two-semester introductory course, they will learn the fundamentals of marketing using real-world business examples. **Credits:** 0.5

Introduction to Marketing II: In the continuation of this two-course series, students will build on the skills and concepts they learned in Part I to develop a basic understanding of marketing principles and techniques. By the end of this series, students will have developed their own comprehensive marketing plan for a new business.

Prerequisites: Introduction to Marketing I **Credits:** 0.5

High School Learning Recovery®*

We believe in learning recovery, not just credit recovery. Learning Recovery courses provide students with pre-test, discussion-based assessments, projects, and post-tests.

English I: In this course, students will gain language arts skills by reading literature, writing, listening, viewing, and speaking. They will learn to use the English language successfully to express themselves. **Credits:** 1.0

English II: Student will be exposed to various forms of communication, including verbal, visual, and audio. In addition to evaluating the plot and characters of well-known writers, students will learn to identify themes, create dialogue, and appeal to emotions through their writing. **Prerequisites:** English I is recommended. **Credits:** 1.0

English III: In this course, the writing and insights of authors throughout history are collected in a fictitious newspaper called "The Virtual Times." Students will gain an appreciation of American literature and learn about the times in which it was written. **Prerequisites:** English I and II are recommended. **Credits:** 1.0

English IV: In this course, students will be asked to choose pieces of literature that interests them, analyzing the subject matter and persuasively expressing their own ideas. **Prerequisites:** English I, II, and III are recommended. **Credits:** 1.0

Algebra I: This course contains the basic knowledge students need for all high school math courses. Students will understand the practical use of algebra with hundreds of real-world examples. **Prerequisites:** 7th grade mathematics **Credits:** 1.0

Algebra II: Starting with a review of basic algebra, students will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics. **Prerequisites:** Algebra I **Credits:** 1.0

Geometry: In this course, students will learn about points, lines, and planes. They will learn about shapes and gain an understanding of how geometry affects the world around us. **Prerequisites:** Algebra I or its equivalent **Credits:** 1.0

Biology: This course provides an in-depth look at the fundamental characteristics of living organisms. It is designed to promote scientific inquiry and discovery. Students will be introduced to the structure, function, diversity, and evolution of living organisms. **Credits:** 1.0

Chemistry: This course is designed to serve as a foundation for the study of Chemistry and includes: scientific inquiry, Web 2.0 tools, interactive experiences, higher-order thinking, collaborative projects, real-world application, and a variety of assessments. **Prerequisites:** Algebra I **Credits:** 1.0

Earth Space Science: This is a laboratory course focusing on the study of space and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, students will explore Earth's cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. **Credits:** 1.0



Leona Advanced Virtual Academy Course Catalog

Physical Science: This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course will provide a foundation for the study of the physical sciences. **Credits:** 1.0

Physics: Students will discover the contributions of geniuses like Galileo, Newton, and Einstein. They will learn the concepts, theories and laws that govern the interaction of matter, energy, and forces. **Prerequisites:** Algebra I; Algebra II is recommended. **Credits:** 1.0

American Government: Students will take on the role of a Washington, D.C. intern and spend time working throughout the nation's capital with all three branches of government. They will gain a greater understanding of the country's beginnings and how government functions at different levels. **Prerequisites:** 11th or 12th grade status and successful completion of English I are recommended. **Credits:** 0.5

American History: Students will look at some of the most profound questions that Americans still debate. They will research many important events throughout the history of America. **Prerequisites:** 10th grade status or higher and successful completion of English I are recommended. **Credits:** 1.0

Economics: The purpose of this course is to help students become more informed consumers, producers, investors, and taxpayers. Students are shown how their choices directly affect their future. **Prerequisites:** 11th or 12th grade status and successful completion of English I and Algebra I are recommended. **Credits:** 1.0

World History: The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. **Credits:** 1.0

Middle School Learning Recovery®

Mathematics I: This course is packed with games that reinforce and practice math skills. Students will have opportunities to demonstrate their knowledge of number manipulation by applying them to real-world scenarios. **Prerequisites:** Recommended for 6th Grade **Credits:** 1.0

Mathematics II: This course gives plenty of opportunity to create, investigate, and demonstrate student knowledge through animations, applications, videos, games, and real-world scenarios. **Prerequisites:** Recommended for 7th Grade **Credits:** 1.0

Mathematics III: Students will love this hands-on math course. Through engaging exercises and assessments, students will gain a true understanding of higher-level concepts, such as systems of equations and central tendencies. **Prerequisites:** Recommended for 8th Grade **Credits:** 1.0

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Middle School Courses

Art

Orientation to Art 2-D: In this course, students will experience the creative processes used by all artists. They will learn how to analyze, interpret, and evaluate art. At the end of this course, they will have a portfolio of work that demonstrates their own skill and creativity as an artist. **Credits:** 0.5



Leona Advanced Virtual Academy Course Catalog

Business Education

Keyboarding: This course will give students the coaching needed to become a keyboarding master. With special downloadable software, they will gain typing speed while learning proper technique. **Credits:** 0.5

Language Arts

Language Arts I / L. A. I Advanced: In this course, students will read short stories and novels, listen to music, read newspapers, and even interview their parents. They will also learn to write interesting stories of their own.

Prerequisites: Recommended for 6th Grade **Credits:** 1.0

Language Arts II / L. A. II Advanced: In this course, students will read, listen to, and analyze stories. They will read various texts, such as newspapers and novels, in addition to discovering their own ability to write.

Prerequisites: Recommended for 7th Grade **Credits:** 1.0

Language Arts III / L. A. III Advanced: The purpose of this course is to give students the tools to understand and express themselves through writing. By the end of the course, students will have completed a portfolio of their original writings. **Prerequisites:** Recommended for 8th Grade **Credits:** 1.0

Health & Physical Education

M/J Comprehensive PE – Grades 6/7: In this course, students will reach new levels of fitness through sports, dance, aquatics, and more! A friendly cast of course characters will help guide and enhance their experience. Students will learn safety rules for exercises to improve their skills, how different activities target different parts of their body, and how to reach new goals. **Credits:** 0.5

Comprehensive PE – Grades 7/8: This course will provide students practice in game strategy, sport skills, and performance. Students will discover the diversity of sports, nutrition, and peer pressure, while learning how to make effective decisions. **Credits:** 0.5

Fitness – Grades 6: In this course, students will meet a crew of virtual characters that will help them explore health and understand fitness. Among them is Coach Cardio, who will help students measure their growing fitness level by learning to keep their bodies physically fit. Students will complete various projects as they learn about themselves, fitness, and the world around them. **Credits:** 0.5

Mathematics

Mathematics I / Math I Advanced: This course is packed with games that reinforce and practice math skills. Students will have opportunities to demonstrate their knowledge of number manipulation by applying them to real-world scenarios. **Prerequisites:** Recommended for 6th Grade **Credits:** 1.0

Mathematics II / Math II Advanced: This course gives students opportunities to create, investigate, and demonstrate knowledge through animations, applications, videos, games, and real-world scenarios.

Prerequisites: Recommended for 7th Grade **Credits:** 1.0

Mathematics III / Math III Advanced: Students will love this hands-on math course. Through engaging exercises and assessments students will gain a true understanding of higher-level concepts, such as systems of equations and central tendencies. **Prerequisites:** Recommended for 8th Grade **Credits:** 1.0



Leona Advanced Virtual Academy Course Catalog

Science

Comprehensive Science I / C. S. I Advanced: This course provides an introduction to science with a focus on energy, force, weather, climate, Earth's systems, and living organisms. Some topics are explored in depth while others are introduced to serve as building blocks for Comprehensive Science 2 and 3. **Prerequisites:** Recommended for 6th Grade **Credits:** 1.0

Comprehensive Science II / C. S. II Advanced: In this course, students explore the foundations of science, energy, Earth and its features; Earth's internal and external structures and how they change; Earth's history, living things, and how they change and interact; and genetics, heredity, and the organization of living organisms. **Prerequisites:** Recommended for 7th Grade **Credits:** 1.0

Comprehensive Science III / C. S. III Advanced: The course introduces new information and reviews some science basics to prepare students for high school science coursework. Topics covered in this course include: the nature of science, Earth and space science, properties of matter, changes in matter, matter and energy, and energy flow. **Prerequisites:** Recommended for 8th Grade **Credits:** 1.0

Social Studies

World Cultures / World Cultures Advanced: From ancient Mesopotamia to China and its ancient dynasties, different civilizations left their mark on history. They also left their mark on how we live today. In this course, students will become a quiz show contestant, traveling back to these ancient civilizations to dig out the facts. **Prerequisites:** Recommended for 6th Grade **Credits:** 1.0

World Geography / World Geography Advanced: In this course, students will research the cultural and natural landscapes of the regions they visit. They will then design their own theme park offering a multicultural understanding of our world's diverse people and places. **Prerequisites:** Recommended for 7th Grade **Credits:** 1.0

U.S. History / U.S. History Advanced: In this course, students will discover that history is full of adventure, colorful characters, and complex plots. Each complex plot will be different, and will highlight an important story from our nation's past. **Prerequisites:** Recommended for 8th Grade **Credits:** 1.0

Study Skills

Critical Thinking, Problem Solving, and Learning: This course will teach students how to find important information quickly, transfer it from short to long-term memory, and perform better on assignments and tests. This course will teach students to become efficient learners find balance, and prioritize short- and long-term goals. **Prerequisites:** Recommended for 6th, 7th or 8th Grade **Credits:** 0.5

Serving grades 7-12
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