

2010-2011

# Middle School Catalog



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## Language Arts

### Language Arts 6

The sixth grade Language Arts curriculum integrates literature, vocabulary, writing and grammar together in a 21st Century setting. The students will be given the opportunity to create blogs (online journals) where they can log and reflect upon their independent reading. They will be presented with the possibility of creating a multimedia report rather than a traditional research paper. This course will empower life-long learners who are actively engaged in their own learning and take ownership of their scholastic endeavors.

### Language Arts 7

Through this exciting course students will engage in an interactive, hands-on array of reading and writing activities designed to enhance and integrate literacy across all content areas – science, social studies, math, art, and more. Teacher-to-students, student-to-self, and peer-to-peer assessments will serve as constant benchmarks that facilitate the higher-order, problem solving and collaborative skills required to meet academic and career expectations for years to come.

### Language Arts 8

In this course students will learn to read critically with full comprehension across genres and to communicate through effective writing. As students develop critical reading and writing skills, important life connections will be made through the variety of material studied. As students complete this course, the relevance that this course has on daily life and future academic and career goals will be highlighted.

## Math

### Math 6

Students will learn sixth grade math topics drawing from a variety of sources, including hands on activities, interactive lessons, and practical math applications. This course will outline Whole Numbers/ Number Sense, Geometry, Decimals, Fractions, Numbers, Probability & Statistics, Measurement, Ratios, Whole Numbers/Number Sense, Geometry, Decimals, Fractions, Numbers, Probability & Statistics, Measurement, and Ratios.

### Math 7

Seventh grade math topics that draw from a variety of sources, including hands on activities, interactive lessons, and practical math applications will be learned. These applications include: Numbers and Operations, Measurements, Geometry, Algebraic Concepts, Data Analysis & Probability .

### Math 8

This course for eighth grade math topics includes hands on activities, interactive lessons, and practical math applications such as Algebra Concepts like Linear Functions and Graphing, Geometry, Measurement, Applications, Trigonometry Concepts, Probability and Statistics.

## Science

### Science 6

A variety of science topics, skills and ideas are introduced to students in this sixth grade science course. Students explore several different scientific fields through research, experimentation, and interactive activities. Throughout the course, students will use the scientific method and understand that the scientific method to understand its application to all scientific disciplines and endeavors.

### Science 7

Enlightenment and instruction on the nature of science using a discovery process to teach the scientific method are detailed of this course. Also discussed are metric measurements in scientific investigations. The study of the Universe, stars, constellations, and objects in the Solar System are covered. Movement and pathways of the Earth and Moon are investigated, with natural paths uncovered as students discover just how large the universe really is.

### Science 8

This course provides a rigorous and comprehensive foundation for the eighth grade students about to enter high school science. It covers the relevant topics in all of the major disciplines, building on prior knowledge and expanding on subjects introduced earlier in middle school. Students will learn through interactive activities, experimentation, discussion, engaging text and animations. Graded assignments will be stimulating and thought-provoking, paving the way for future interest in the scientific disciplines.

## Social Studies

### Social Studies 6

Students in grade six expand their understanding of History, Civics and Government, Geography, Economics, and Individuals, Society, and Culture by studying the people and events that ushered in the dawn of the major Western and non-Western ancient civilizations. Students analyze the interactions among the various cultures, emphasizing their enduring contributions and the link between our world today and these ancient worlds.

### Social Studies 7

Students will be taken through the disciplines of world history, landform and geography, and money and economics. The powers and parallels of political science, sociology, and anthropology are investigated through hands-on tutorials and interaction with animation that brings this history to life. Students will acquire the skills necessary to study and understand world cultures, while examining unique physical features using state-of-the-art electronic geographic tools.

### Social Studies 8

Eighth grade students will build on their concepts of geography, civics, and political societies beginning with the world as it was in the 1500s. Curriculum includes the unfolding events from the explorations, the establishment of the colonies, the colonial era leading up to the causes of and including the French and Indian War and The Revolutionary War. The development of American government from a confederation to a constitutional one, the launching of the Republic, through the War of 1812, the growth and development of the nation through the Louisiana Purchase and the Lewis and Clark exploration on through Manifest Destiny and the Mexican War will follow.

### Art 6\*

Journey through time and place while examining some of the greatest masterpieces created. In this course, students will explore world regions and study the unique artifacts and works of architecture that define ancient civilizations. From Mesopotamia, the world's first civilization, to the Roman streets of Pompeii, participants will learn the fundamental concepts of art, how to look at and evaluate art, and the intended function of natural history museums. This course is built on hands-on-activities, discussions, written assignments, and objective assessments.

### Art 7\*

Explore world regions and study the unique art and architecture that defines the Medieval and Renaissance periods. From Leonardo da Vinci to the Taj Mahal, participants will learn the fundamental concepts of art, how to look at and evaluate art, and the intended function of art museums through hands-on activities, discussions, written assignments, and objective assessments.

### Art 8\*

Journey through time and place while examining some of the greatest masterpieces created. In this course, students will explore world regions and study the unique art and architecture that defines modern-day civilizations. From Picasso to Hiroshige, participants will learn the fundamental concepts of art, how to look at and evaluate art, and the intended function of art museums through hands-on activities, discussions, written assignments, and objective assessments.

### Career Explorations 8\*

In this course, students will learn about various careers that are available today. The students will complete self-evaluations to determine which careers are of most interest to them. Assignments, including research and interviews, will help give the student a hands-on approach to creating a plan for the future.

### Health 6\*

This course is designed to equip students with the knowledge and skills necessary to make healthy choices throughout life. Students gain valuable health information and learn proactive practices. Students demonstrate their skills in healthy decision-making, problem solving, goal setting, and effective communication and refusal negotiation.

### Health 7\*

This course is designed to teach lifetime health and wellness knowledge in order to prevent various psychological and physical disorders. Students will learn health information and practices, and gain experience in implementing these newfound skills. The handling of peer pressure, recognizing and avoiding unhealthy and risky behaviors, and developing strategies for improving personal and community health are recognized.

## Electives

## Electives

### **Health 8\***

Students will learn health information and practices necessary to understand and manage many aspects of the physical, social, intellectual, spiritual, and emotional health throughout adolescence into adulthood. This course is designed to provide the student with the knowledge and skills to enable and maintain a healthful lifestyle.

### **Music 6\***

Through this online Music Appreciation course students will be exposed to many diverse activities and will learn a wide variety of musical concepts they useful in everyday life. The impact of these concepts is ongoing.

### **Music 7\***

Diverse activities explore a wide variety of musical concepts. Through this online Music Appreciation course students will learn foundational skills such as performing, listening, analyzing, and responding to music.

### **Music 8\***

Students learn foundational skills such as performing, listening, analyzing, and responding to music. Students develop a sense of self-esteem by accomplishing activities that require higher critical thinking skills especially developed for their grade level.

### **Physical Education 6\***

The sixth grade physical education course introduces students to health related fitness components, dance, team sports, healthy choices, and lifetime activities. Through these units students learn the essential principles of a healthy, active lifestyle. These lessons will give the student exposure to many of the activities that can be incorporated into their daily lives today and in the future.

### **Physical Education 7\***

Through this online Physical Education course students are exposed to many diverse activities and will learn a wide variety of fitness concepts that are useful in everyday life. Students learn lifelong skills such as rock climbing, orienteering, and ping-pong along with stress management concepts through Yoga and Pilates. Students develop a sense of self-esteem and accomplishment through completion of fitness tests, attaining personal goals set, and learning to care for their body.

### **Physical Education 8\***

Scientific evidence has shown that regular physical activity is essential to our health and wellness. The American Heart Association has indicated that the primary cause for the number one killer in the United States, heart disease, can be treated with daily participation in physical activity. This course teaches students to make informed decisions to assist them both now and in the future. Students in eighth grade physical education will be exposed to a variety of lifetime physical activities such as canoeing, cycling, and kickboxing.

### **World Language Survey\***

In this World Languages course students will be introduced to six different languages within 18 weeks. The languages in this course include Spanish, French, German, Latin, Chinese and Japanese. Each language will be taught in a period of three weeks. This multilingual course is designed to expose students to language for further study in the future.

During 2010 Aventa Learning will be updating selected middle school core curriculum courses based on feedback received from teachers using materials over the last two years. These revisions increase the opportunity to augment classroom instruction. Updates are expected to include additional supporting materials, revisions of selected instructional strategies, and expanded coverage of state standards alignments. These courses will be updated throughout 2010.

Middle school core curriculum updates available 2010 semester 1&2.

\* = .5 credit course