Course Title: English I - Literary Analysis and Composition I  
PEIMS Course Title/Number: English I/03220100  
Prerequisite: Intermediate English A and B, or equivalent  
Number of Credits: .5 credit per semester completion with grade of 70 or above  
Materials: See syllabus  
Description: This course is offered at the comprehensive and honors levels and covers a wide range of literature genres and the necessary skills to write a research paper. Students not only study Literature but also Grammar, usage, and mechanics.

Course Title: English II - Literary Analysis and Composition II  
PEIMS Course Title/Number: English II/03220200  
Prerequisite: Literary Analysis and Composition I, or equivalent  
Number of Credits: .5 credit per semester completion with grade of 70 or above  
Materials: See syllabus  
Description: This course is offered at the comprehensive and honors levels and covers a wide range of literature genres and the necessary skills to write a research paper. Students not only study Literature but also Grammar, usage, and mechanics.

Course Title: English III - American Literature  
PEIMS Course Title/Number: English III/03220200  
Prerequisite: Literary Analysis and Composition II, or equivalent  
Number of Credits: .5 credit per semester completion with grade of 70 or above  
Materials: See syllabus  
Description: In this course, offered at the comprehensive and honors levels, students read and analyze works of American literature from Colonial to contemporary times. They continue to work on their oral and written expression skills, writing a variety of essays including memoirs, persuasive and research essays, and workplace documentation.

Course Title: English IV - British and World Literature  
PEIMS Course Title/Number: English IV/03220400  
Prerequisite: American Literature, or equivalent  
Number of Credits: .5 credit per semester completion with grade of 70 or above  
Materials: See syllabus  
Description: In this course, offered at the comprehensive and honors levels, students read selections from British and world literature in a loosely organized chronological framework. Students complete guided and independent writing assignments that refine their analytical skills.

Course Title: AP English Language and Composition - American Literature
PEIMS Course Title/Number: AP English/A3220100
Prerequisite: At least a B-grade in most recent English course
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: The equivalent of an introductory college-level survey class, this course prepares students for the American Literature AP Exam and for further study in creative writing, communications, journalism, literature, and composition. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

Course Title: AP English Language and Composition - British and World Literature
PEIMS Course Title/Number: AP English/A3220200
Prerequisite: At least a B-grade in most recent English course
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: The equivalent of an introductory college-level survey class, this course prepares students for the British Literature AP Exam and for further study in creative writing, communications, journalism, literature, and composition. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

Course Title: Algebra I
PEIMS Course Title/Number: Algebra I/03100500
Prerequisite: Successful completion of Pre-Algebra
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: No materials - recommended students purchase a TI-84 calculator.
Description: Topics included are real numbers, simplifying real number expressions with and without variables, solving linear equations and inequalities, solving quadratic equations, graphing linear and quadratic equations, polynomials, factoring, linear patterns, linear systems of equality and inequality, simple matrices, sequences, and radicals.

Course Title: Geometry
PEIMS Course Title/Number: Geometry/03040000
Prerequisite: Algebra I, or equivalent
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus. Recommended students purchase a TI-84 calculator.
Description: In this course, offered at the core, comprehensive, and honors levels Students learn to recognize and work with geometric concepts in various contexts. 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.

**Course Title:** Algebra II  
**PEIMS Course Title/Number:** Algebra II/03100600  
**Prerequisite:** Successful completion of Algebra I and Geometry  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus. Recommended students purchase a TI-84 calculator.  
**Description:** This course, offered at the core, comprehensive, and Honors levels, builds upon algebraic concepts covered in Algebra. 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.

**Course Title:** Pre-Calculus - Trigonometry  
**PEIMS Course Title/Number:** Pre-Calculus/Trigonometry/03101100  
**Prerequisite:** Geometry and Algebra II (or equivalents)  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus. Recommended students purchase a TI-84 calculator.  
**Description:** Pre-calculus, offered at the comprehensive level, weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

**Course Title:** Math Models  
**PEIMS Course Title/Number:** Math Models/3102400  
**Prerequisite:** Algebra I and Geometry  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** n/a  
**Description:** Mathematics Models with Applications A is a course that focuses on types of graphs, probability, and statistics. Math Models with Applications B, is an extension of Math Models A and continues the focus on basic math skills used in everyday life with the goal of developing intelligent consumers. Personal finances are emphasized through the study of personal earnings, personal taxes, credit, budgeting, and banking decisions.

**Course Title:** AP Calculus  
**PEIMS Course Title/Number:** AP Calculus/A3100101  
**Prerequisite:** Algebra II, Geometry, Pre-Calculus with Trigonometry  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus. Recommended students purchase a TI-84 calculator.
Description: AP Calculus AB is the equivalent of an introductory college-level calculus course and prepares students for the AP Exam and further studies in science, engineering, and mathematics. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

Course Title: AP Statistics
PEIMS Course Title/Number: AP Statistics/A3100200
Prerequisite: Success in MTH304: Honors Algebra II (or equivalent) and teacher/school counselor recommendation
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus. Recommended students purchase a TI-84 calculator.
Description: This course is the equivalent of an introductory college-level course. Statistics—the art of drawing conclusions from imperfect data and the science of real-world uncertainties

Course Title: Integrated Physical and Chemistry - IPC
PEIMS Course Title/Number: IPC/03060201
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: Materials that go with the Aventa Physical Science (none shipped but the course).
Description: This course provides students with instruction in the nature of science, including scientific processes, the scientific method, and scientific inquiry. The course then covers the atomic nature of matter, classification of the elements, the periodic table, acids, and bases, energy, power, velocity, acceleration, forces, gravity and the basic principles of physics.

Course Title: Biology
PEIMS Course Title/Number: Biology/03010200
Prerequisite: Middle school Life Science, or equivalent
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: This course, offered at the comprehensive and honors level, has students who have been introduced to biology topics in middle school, focuses on topics in cell chemistry and biology, genetics, evolution, the biology of living things, and ecology.

Course Title: Chemistry
PEIMS Course Title/Number: Chemistry/03040000
Prerequisite: Middle school Physical Science or IPC
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: The course, offered at the core, comprehensive, and Honors levels surveys all key areas,
including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry.

Course Title: Physics
PEIMS Course Title/Number: Physics/03050000
Prerequisite: Algebra II and Pre-Calculus/Trigonometry
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: This course, offered at the comprehensive and honors level, provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus.

Course Title: AP Physics
PEIMS Course Title/Number: AP Physics/A3050001
Prerequisite: Algebra II, Pre-Calculus with Trigonometry recommended for qualified AP students
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: The equivalent of an introductory college-level course, AP Physics prepares students for the AP Exam and for further study in science and engineering. The online content aligns to the scope and sequence specified by the College Board and to widely used textbooks.

Course Title: Environmental Science
PEIMS Course Title/Number: Environmental Science/03020000
Prerequisite: Success in previous high school science course and teacher/school counselor recommendation
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: This course surveys key topic areas including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science.

Course Title: Astronomy
PEIMS Course Title/Number: Astronomy/3060100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: n/a
Description: Students will explore the history, concepts and theories of Astronomy and demonstrate
skills associated with the science of Astronomy including star identification, stellar calculations, planet recognition and contributions made by space exploration.

**Course Title:** World Geography  
**PEIMS Course Title/Number:** Geography/03320100  
**Prerequisite:** none  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** Materials that go with the Aventa World Geography (none but the course).  
**Description:** This Geography course will examine a broad range of geographical perspectives covering all of the major regions of the world. Specifically, the course will explore where each region is located along with its physical characteristics, including absolute and relative location, climate, and significant geographical features, cultural, economic, and political perspective, closely examining the human impact on each region from these perspectives as well as how human activities impact the environments of the region.

**Course Title:** World History  
**PEIMS Course Title/Number:** World History/03340400  
**Prerequisite:** none  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** This course, offered at the core and comprehensive levels, traces the development of civilizations around the world from prehistory to the present, with a special emphasis on key periods and primary sources. The course covers major events in world history, including the development and influence of human-geographic relationships, political and social structures, economics, science and technology, and the arts.

**Course Title:** Modern U.S. History  
**PEIMS Course Title/Number:** U.S. History/03340100  
**Prerequisite:** Middle school American History Before 1865  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** This course, offered at the comprehensive and honors levels, provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events.

**Course Title:** AP U.S. History  
**PEIMS Course Title/Number:** AP U.S. History/A3340100  
**Prerequisite:** U.S. Government and Politics (or equivalent) is recommended, but not required
**Course Title:** U.S. and Global Economics  
**PEIMS Course Title/Number:** Economics/03310300  
**Prerequisite:** U.S. Government and Politics (or equivalent) is recommended, but not required  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. The content aligns to the sequence of topics recommended by the College Board and to widely used textbooks. Students prepare for the AP® Exam.

**Course Title:** AP Macro Economics  
**PEIMS Course Title/Number:** AP Macro Economics/A3310100  
**Prerequisite:** Algebra II; Recommended for qualified AP students  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science and history. The content aligns to the scope and sequence specified by the College Board and to widely-used textbooks.

**Course Title:** U.S. Government and Politics  
**PEIMS Course Title/Number:** U.S. Government/03330100  
**Prerequisite:** U.S. History (or equivalent) is recommended, but not required  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our governing bodies.

**Course Title:** AP U.S. Government  
**PEIMS Course Title/Number:** AP Government/A3330100  
**Prerequisite:** U.S History and recommended for qualified AP students  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus
**Description:** The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP Exam and for further study in political science, law, education, business, and history. The content aligns to the scope and sequence specified by the College Board and to widely used Advanced Placement U.S. Government textbooks.

**Course Title:** Spanish I  
**PEIMS Course Title/Number:** Spanish I/03440100  
**Prerequisite:** none  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** Students begin their introduction to Spanish with fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing. This course is linked to another platform called PowerSpeak.

**Course Title:** Spanish II  
**PEIMS Course Title/Number:** Spanish II/03440200  
**Prerequisite:** Spanish I, middle school Spanish 1 and 2 (or equivalents)  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** A continuing storyline on PowerSpeak introduces and reinforces new vocabulary, while activities prompt students to analyze meaning from context, and then to reproduce new vocabulary in real-life oral expression. Additional verb tenses and idiomatic expressions are also introduced.

**Course Title:** Spanish III  
**PEIMS Course Title/Number:** Spanish III/03440300  
**Prerequisite:** Spanish II (or equivalent)  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** Intermediate Spanish students who have a strong base of vocabulary, speaking, and listening skills reach a new level of mastery and fluency in this course. This course also uses PowerSpeak.

**Course Title:** AP Spanish  
**PEIMS Course Title/Number:** AP Spanish/A3440100  
**Prerequisite:** Strong success in Spanish III, or success in Spanish IV (or equivalents), and teacher/school counselor recommendation  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus
Description: The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, and literature.

Course Title: French I
PEIMS Course Title/Number: French I/03410100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: Students begin their introduction to French using PowerSpeak with fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing.

Course Title: French II
PEIMS Course Title/Number: French II/03410200
Prerequisite: French I, or middle school French 1 and 2
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: A continuing storyline introduces and reinforces new vocabulary, while activities prompt students to analyze meaning from context, and then to reproduce new vocabulary items in functional real-life oral expression. Additional verb tenses and idiomatic expressions are also introduced.

Course Title: French III
PEIMS Course Title/Number: French III/03410300
Prerequisite: French II (or equivalent)
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: Intermediate French students who have a strong base of vocabulary, speaking, and listening skills reach a new level of mastery and fluency in this course.

Course Title: AP French
PEIMS Course Title/Number: AP French/A3410100
Prerequisite: Strong success in French III, or success French IV (or equivalents), and teacher/school counselor recommendation
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: The equivalent of a college-level language course, AP French Language prepares students for the AP exam and for further study of French language, culture, and literature.

Course Title: Latin I
PEIMS Course Title/Number: Latin I/03430100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: This introduction to Latin clarifies the traditionally difficult aspects of the language through vocabulary that follows all standard Latin rules but allows students to tell modern stories connected to a contemporary adventure. This course uses the PowerSpeak platform.

Course Title: Latin II
PEIMS Course Title/Number: Latin II/03430200
Prerequisite: Latin I (or equivalent)
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: Students with a foundation in Latin refine their skills through compelling language lessons, as well as historical and cultural studies. They go from the basics of Latin to a higher level of sophistication. This course uses the PowerSpeak platform.

Course Title: German I
PEIMS Course Title/Number: German I/03420100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: Students begin their introduction to German with fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing. This course uses the PowerSpeak platform.

Course Title: German II
PEIMS Course Title/Number: German II/03420200
Prerequisite: German I, middle school German 1 and 2 (or equivalents)
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: A continuing storyline introduces and reinforces new vocabulary, while activities prompt students to analyze meaning from context, and then to reproduce new vocabulary items in functional real-life oral expression. Additional verb tenses and idiomatic expressions are also introduced.

Course Title: Mandarin Chinese
PEIMS Course Title/Number: Chinese I/ 3490100; Chinese II/ 03490200
Prerequisite: none for Chinese I; For Chinese II – need to have completed Chinese I
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: n/a
Description: As a student in this course you will: Learn to speak and read approximately 503 new vocabulary words/phrases Learn to write approximately 205 words. Learn to use Chinese in basic conversations on a variety of topics Learn to read basic Chinese.

Course Title: AP Psychology
PEIMS Course Title/Number: AP Psychology/A3350100
Prerequisite: Success in Honors Biology (or equivalent)
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. Students prepare for the AP Exam and for further studies in psychology and life sciences.

Course Title: Psychology
PEIMS Course Title/Number: Psychology/3350100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: n/a
Description: Students receive an overview of current psychological research methods and theories. They explore the therapies used by professional counselors and clinical psychologists, and examine the reasons for normal human reactions.

Course Title: Sociology
PEIMS Course Title/Number: Sociology/3370100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: n/a
Description: Students receive an overview of the World of Sociology. They explore the culture, society, deviance and crime, social inequality, institutions and change.

Course Title: Computer Literacy/Computer Science
PEIMS Course Title/Number: Computer Science/03580200
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: n/a
Description: This course provides a foundation in the skills like the basics of keyboarding to Internet research techniques, document creation, and digital citizenship, students practice essential skills
through hands-on projects. This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs.

**Course Title:** Fine Art  
**PEIMS Course Title/Number:** Art Appreciation/03500100  
**Prerequisite:** World History (or equivalent) is recommended as a prerequisite or co-requisite, but not required  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.

**Course Title:** Personal Finance - Money Matters  
**PEIMS Course Title/Number:** Money Matters/13016200  
**Prerequisite:** none  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses.

**Course Title:** Journalism  
**PEIMS Course Title/Number:** Journalism/03230100  
**Prerequisite:** none  
**Number of Credits:** .5 credit per semester completion with grade of 70 or above  
**Materials:** See syllabus  
**Description:** Students conduct interviews, research, write, and design their own publications. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles.

**Course Title:** Public Speaking (Speech)  
**PEIMS Course Title/Number:** Communication Applications/03241400  
**Prerequisite:** none
Grade 9-12 Courses SY12-13

Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: Students prepare and present speeches, learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world.

Course Title: Music Appreciation
PEIMS Course Title/Number: Music Theory/03152700
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The performance practicum requirement can be met through live performance with the teacher, participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills.

Course Title: Skills for Health
PEIMS Course Title/Number: Health/03810100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: 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; and personal health, environmental conservation, and community health resources.

Course Title: Reaching Your Academic Potential
PEIMS Course Title/Number: Reading Application and Study Skills/03270100
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: See syllabus
Description: Students learn academic skills within the context of their learning style, individual learning environment, and long-term goals. This course helps students develop study skills like habits for more successful reading, writing, studying, communication, collaboration, time management, and concentration.
Course Title: Physical Education
PEIMS Course Title/Number: Physical Education/PES00052
Prerequisite: none
Number of Credits: .5 credit per semester completion with grade of 70 or above
Materials: n/a
Description: This course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity.