

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

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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

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: 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

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Description: In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems.

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

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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 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

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.