2014-2015 High School Course Descriptions

English

ENG103: Literary Analysis and Composition I (EN)

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written. Literary selections range from classic works such as Shakespeare’s *Romeo and Juliet* to contemporary pieces by authors such as Maya Angelou.

Language Skills: Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities (Skills Updates). Student vocabularies are enhanced through the study of Greek and Latin root words, improving students’ ability to decipher the meanings of new words.

Course length: Two semesters

Materials: *Classics for Young Readers, Volume 8; Classics for Young Readers, Volume 8: An Audio Companion; BK English Language Handbook, Level 1; Vocabulary from Classical Roots, Book C; The Narrative of the Life of Frederick Douglass, An American Slave, by Frederick Douglass; Anne Frank: Diary of a Young Girl, by Anne Frank; Romeo and Juliet, by William Shakespeare*

Prerequisites: K12 Intermediate English A and B, or equivalent

**Note:** Students who have already succeeded in K12 middle school Literary Analysis and Composition (minimum of 90% completion of course) should not enroll in this course.

ENG104: Honors Literary Analysis and Composition I (EN)

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written. Literary selections range from the Greek tragedy *Antigone* to Shakespeare’s *Romeo and Juliet* to contemporary pieces by authors such as Annie Dillard and Maya Angelou.

Language Skills: Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities. Student vocabularies are enhanced through the study of Greek and Latin root words, improving students’ ability to decipher the meanings of new words.

Course length: Two semesters

Materials: *Classics for Young Readers, Volume 8; Classics for Young Readers, Volume 8: An Audio Companion; BK English Language Handbook, Level 1; Vocabulary from Classical Roots, Book C; The Narrative of the Life of Frederick Douglass, An American Slave, by Frederick Douglass; Anne Frank: Diary of a Young Girl, by Anne Frank; Romeo and Juliet, by William Shakespeare*

Prerequisites: Success in K12 Intermediate English A and B or Equivalent. English teacher/school counselor recommendation required.

**Note:** Students who have already succeeded in K12 middle school Literary Analysis and Composition (minimum of 90% completion of course) should not enroll in this course.

ENG203: Literary Analysis and Composition II (EN)

In this course, students build on existing literature and composition skills and move to higher levels of sophistication.

Literature: Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, and Richard Rodriguez. Students read Shakespeare’s *Macbeth*. They are offered a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, Elie Wiesel, and many others.
Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers’ and writers’ perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, résumés, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Unit pretests identify skills to address more fully. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary building strategies.

Course length: Two semesters

Materials: Journeys in Literature: Classic and Modern, Volume B; Journeys in Literature: Classic and Modern, Volume B: An Audio Companion; Vocabulary for Achievement, Fourth Course; Macbeth, by William Shakespeare

Prerequisites: ENG103: Literary Analysis and Composition I K12 middle school Literary Analysis and Composition (minimum of 90% completion of course) or equivalent.

ENG204: Honors Literary Analysis and Composition II (EN)

In this course, students build on existing literature and composition skills and move on to higher levels of sophistication. Students work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned.

Literature: Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, Richard Rodriguez, and William Shakespeare. Students have a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, and Elie Wiesel.

Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers’ and writers’ perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, résumés, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Unit pretests identify skills to address more fully. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies.

Course length: Two semesters

Materials: Journeys in Literature: Classic and Modern, Volume B; Journeys in Literature: Classic and Modern, Volume B: An Audio Companion; Vocabulary for Achievement, Fourth Course

Prerequisites: Success in ENG104: Honors Literary Analysis and Composition I, or equivalent, and teacher/school counselor recommendation required.

ENG303: American Literature (EN)

In this course, students read and analyze works of American literature from Colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Course length: Two semesters

Materials: Journeys in Literature: American Traditions, Volume C; The Great Gatsby, by F. Scott Fitzgerald; The Glass Menagerie by Tennessee Williams. Students will also read one selection of their choice from the following: The Old Man and the Sea, by Ernest Hemingway; The House on Mango Street, by Sandra Cisneros; A Lesson Before Dying, by Ernest Gaines; The Red Badge of Courage, by Stephen Crane

Prerequisites: ENG203: Literary Analysis and Composition II, or equivalent

ENG304: Honors American Literature (EN)

In this course, students read and analyze works of American literature from Colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

Course length: Two semesters

Materials: Journeys in Literature: American Traditions, Volume C; The Great Gatsby, by F. Scott Fitzgerald; The Glass Menagerie by Tennessee Williams. Students will also read one selection of their choice from the following: The Old Man and the Sea, by Ernest Hemingway; The House on Mango Street, by Sandra Cisneros; A Lesson Before Dying, by Ernest Gaines; The Red Badge of Courage, by Stephen Crane

Prerequisites: ENG203: Literary Analysis and Composition II, or equivalent
Materials: Journeys in Literature: American Traditions, Volume C; The Great Gatsby, by F. Scott Fitzgerald; The Glass Menagerie, by Tennessee Williams. Students will also read one selection of their choice from the following: The Old Man and the Sea, by Ernest Hemingway; The House on Mango Street by Sandra Cisneros; A Lesson Before Dying, by Ernest Gaines; The Red Badge of Courage, by Stephen Crane; and two selections of their choice from the following: Billy Budd, by Herman Melville, A Connecticut Yankee in King Arthur’s Court, by Mark Twain; Catcher in the Rye, by J.D. Salinger; Song of Solomon, by Toni Morrison

Prerequisites: Success in ENG204: Honors Literary Analysis and Composition II, or equivalent, and teacher/school counselor recommendation required.

ENG403: British and World Literature (EN)

Students read selections from British and World literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choosing. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Course length: Two semesters

Materials: Explorations: An Anthology of British and World Literature; Hamlet

Prerequisites: ENG303: American Literature, or equivalent

ENG404: Honors British and World Literature (EN)

Students read selections from British and World literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students work independently on many of their analyses and engage in creative collaboration with their peers. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Course length: Two semesters

Materials: Explorations: An Anthology of British and World Literature; Hamlet

Prerequisites: ENG304: American Literature, or equivalent, and teacher/school counselor recommendation required.

ENG010: Journalism (Elective only) (E,O)

Students examine the development of journalism, from print to the multimedia environment, while learning how to publish an online newspaper in addition to producing the school’s hard copy yearbook. Students write newspaper-style articles and opinion pieces, and examine careers in multimedia communication. They also consider the historical effects of “yellow” journalism, freedom of the press, and journalism’s contributions to today’s world, with an emphasis on the mutual influence of media and policy. Students learn the basics of design, layout, photo journalism, print/press preparation, etc. Students are responsible to complete photo shoots at WAVA events, design yearbook pages, work with team members and other duties in the creation of the yearbook.

Course Length: Two semesters (year long course) Fall enrollment only

Course Materials: Associated Press Stylebook; access to http://yearbookavenue.jostens.com/ (you’ll receive username & password); some camera work, and a photo editing program (Photoshop, Gimp, etc.) Gimp is a free download at www.gimp.org, microphone for talking during a required weekly meeting in Elluminate (student provides microphone)

Course Prerequisites: Success in previous English/language arts course and a teacher/school counselor recommendation; Application or teacher permission course only. Spring of the previous year the teacher sends out information & application via kmail in My Info.

ENG020: Public Speaking (EN,E)

Public Speaking is a high school course that focuses on effective public speaking techniques, including verbal and nonverbal communication skills. The course will teach students:

- how to organize and present information in oral speeches and presentations
- how to deliver their ideas in a clear, concise, audience-appropriate manner
- how to incorporate appropriate visuals and other media into their oral presentations
- the essential skill of listening to a speech critically and fairly, preparing them to become consumers of information and argument
Students will be required to:
- view and listen to speeches
- deliver speeches

Course Length: One semester (repeatable for up to 1.0 credit)

Course Materials: webcam and recording software

Pre-requisites: ENG302 or ENG303: American Literature (May be taken concurrently)

**ENG030: Creative Writing (EN,E)**

Creative Writing focuses on the four-step Process Writing model and the reading of professional writings to motivate students to create original essays, poems and short stories. The writing assignments include narration, definition, process analysis, cause and effect and comparison/contrast. Students learn self-editing skills by following the instructor’s detailed suggestions for the revision and refinement of their work.

Course Length: Two semesters

Course Materials: none

Pre-requisites: ENG 402 or ENG 403: British and World Literature (May be taken concurrently)

**History and Social Sciences**

**HST020-AVT: Psychology**

In this course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key terms of psychology and how to apply psychological principles to their own lives. Unit topics in this one-semester course include methods of study, biological basis for behavior, learning and memory, development and individual differences, and psychological disorders.

Course Length: One Semester

Materials: None

Pre-Requisites: None

**WAH100 Washington State History* (H)**

In this course, students will study the history of the state of Washington with a focus on its earliest inhabitants, development, environment, people, economics & government in an effort to understand the Pacific Northwest. Students will study these major areas in an effort to understand the complex background of Washington with the goal of having a sound foundation upon which to formulate opinions concerning what is happening now in our state. The course is organized chronologically with the below Unit titles. Students complete discussions, projects, and multiple choice assessments to demonstrate their learning. The units of study include: The State Called Washington, Native Cultures, The Early Explorers & Frontiersman, Settlers & Settlement, Towards Statehood, Years of Growth, From War to War, The Maturing State, The Economy, The People of Washington, and Government.

Course length: One semester


Course Prerequisites: none

**HST203: Modern World Studies (H)**

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Course length: Two semesters
HST204: Honors Modern World Studies (H)
In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography, and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

Course length: Two semesters

Materials: The Human Odyssey, Volume 3
Prerequisites: HST103: World History, K12 middle school Intermediate World History A and B, or equivalent, success in previous social studies course, and a teacher/school counselor recommendation required.

HST213: Geography and World Cultures* (H)
This one-semester course uses geographic features to explore how human relationships, political and social structures, economics, science, technology, and the arts have developed and influenced life in countries around the world. Throughout the course, students learn how to read maps, charts, and graphs rigorously and critically—and how to create them. Examining the intersection of culture and geography, students discover how a mountain in the distance can inspire national policymakers, civil engineers, or poets; how a river triggers the activity of bridge builders, shipbuilders, and merchants alike; and how the sound of a busy Cairo street can inspire sociologists and musicians. Students come to understand how the drama of human history and cultural encounters—affecting land, natural resources, religious dominance, and more—is played out on the geographical stage.

Course length: One semester

Materials: None
Prerequisites: HST103: World History is recommended, but not required.
HST403: U.S. Government and Politics (Civics)* (H)
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. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court, and discuss their own views on current political issues.
Course length: One semester
Materials: None
Prerequisites: HST303: U.S. History

Mathematics

MTH123: Algebra I (M)
Students develop algebraic fluency by learning the skills needed to solve equations and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers, and irrational numbers; and graph and solve equations, inequalities, and systems of equations. They learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulate and evaluate valid mathematical arguments using various types of reasoning; and translate word problems into mathematical equations and then use the equations to solve the original problems.
Course length: Two semesters
Materials: Algebra I: Reference Guide and Problem Sets
Prerequisites: K12 Pre-Algebra B, MTH113: Pre-Algebra, or equivalent
Note: Students who have already succeeded in K12 middle school Algebra 1 (minimum of 90% completion of course) should not enroll in this course.

MTH124: Honors Algebra I (M)
This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers, and irrational numbers; and graph and solve equations, inequalities, and systems of equations. They learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulate and evaluate valid mathematical arguments using various types of reasoning; translate word problems into mathematical equations and then use the equations to solve the original problems. The course is expanded with more challenging assessments, optional exercises, and threaded discussions that allow students to explore and connect algebraic concepts. There is also an independent honors project each semester.
Course length: Two semesters
Materials: Algebra I: Reference Guide and Problem Sets
Prerequisites: Success in previous math course and teacher/school counselor recommendation required

MTH203: Geometry (M)
In this comprehensive course, students are challenged to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They develop deeper understandings of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.
Course length: Two semesters

Materials: *Geometry: A Reference Guide*; a drawing compass, protractor, and ruler

Prerequisites: MTH123: Algebra I, 8th grade Algebra I (minimum of 90% completion of course) or equivalent
MTH204: Honors Geometry (M)

Students work with advanced geometric concepts in various contexts. They build in-depth ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They also develop a sophisticated understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. Students work on additional challenging assignments, assessments, and research projects.

Course length: Two semesters

Materials: Geometry: A Reference Guide; a drawing compass, protractor, and ruler

Prerequisites: MTH123: Algebra I or MTH124: Honors Algebra I, or equivalent, and teacher/school counselor recommendation required.

MTH303: Algebra II (M)

This course builds upon algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include conic sections; functions and their graphs; quadratic functions; inverse functions; and advanced polynomial functions. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; and data analysis.

Course Length: Two semesters

Materials: None

Prerequisites: MTH123: Algebra I and MTH203: Geometry

MTH322 Consumer Math (E,O,M)

This comprehensive review and study of arithmetic skills applies to both personal and vocational business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Practical applications in finance, taxes, budgeting, banking, and home ownership are provided.

Course Length: Year-long, two semester course

Materials: None

Pre-requisite: Successful completion of one year of Algebra I and one year of Geometry

Who should take this course:

Class of 2013 and beyond: Class of 2013 or beyond who have passed one year of Algebra I and one year of Geometry may request this course. Student and parent must have a conversation with the student’s school Guidance Counselor before being placed into this year-long course.

Class of 2012: Class of 2012 students who still need more Math credits to meet the Math Options alternative to the Math HSPE/EOC’s, may take this course as a viable option to apply towards the 2.0 credits of math after the 10th grade.

MTH403: Pre-Calculus/Trigonometry (M)

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

Course length: Two semesters

Materials: Texas Instruments T1-84 Plus graphing calculator

Prerequisites: Success in MTH203: Geometry and MTH303: Algebra II
**SCI102: Physical Science (S)**

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skill in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations making up half of the learning experience. K12 provides all lab materials that cannot easily be found in the home.

Course length: Two semesters

Materials: Physical Science: A Laboratory Guide; materials for laboratory experiments

Prerequisites: K12 middle school Physical Science, or equivalent

**SCI113: Earth Science (S)**

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, an associated reference book, collaborative activities, and hands-on laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods. K12 provides all lab materials that cannot easily be found in the home.

Course length: Two semesters

Materials: Earth Science: A Reference Guide; materials for laboratory experiments

Prerequisites: K12 middle school Life Science, or equivalent

**SCI203: Biology (S)**

In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons including extensive animations, an associated reference book, collaborative explorations, and hands-on laboratory experiments students can conduct at home. K12 provides all lab materials that cannot easily be found in the home.

Course length: Two semesters

Materials: Biology: A Reference Guide; materials for laboratory experiments, including a compound microscope

Prerequisites: K12 middle school Life Science, or equivalent

**SCI204: Honors Biology (S)**

This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons including extensive animations, an associated reference book, collaborative explorations, and hands-on laboratory experiments students can conduct at home. Honors activities include debates, research papers, extended collaborative laboratories, and virtual laboratories. K12 provides all lab materials that cannot easily be found in the home.

Course length: Two semesters

Materials: Biology: A Reference Guide; materials for laboratory experiments, including a compound microscope

Prerequisites: K12 middle school Life Science, or equivalent, success in previous science course, and teacher/school counselor recommendation required.
SCI303: Chemistry (S)
This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermo chemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction and related assessments, used with a problem solving book. Instructions for hands-on labs are included, for which K12 provides all lab materials that cannot easily be found in the home.
Course length: Two semesters
Materials: Chemistry: Problems and Solutions; Chemistry: A Laboratory Guide; K12-provided laboratory materials; common household materials for labs
Prerequisites: Satisfactory completion of either K12 middle school Physical Science or SCI102: Physical Science and solid grasp of Algebra basics, evidenced by success in MTH122: Algebra I, or equivalent

SCI304: Honors Chemistry (S)
This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermo chemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community-based written research projects, treat aspects of chemistry that require individual research and reporting, and participate in online threaded discussions. Instructions for hands-on labs are included, for which K12 provides all lab materials that cannot easily be found in the home.
Course length: Two semesters
Materials: Chemistry: Problems and Solutions; Chemistry: A Laboratory Guide; common household materials for labs
Prerequisites: Success in previous science course, success in Algebra I, or equivalent, and teacher/school counselor recommendation

SCI403: Physics (S)
This course 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. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction and related assessments, plus an associated problem-solving book and instructions for conducting hands-on laboratory experiments at home. K12 provides all lab materials that cannot be found easily in a typical home. Course length: Two semesters
Materials: Physics: Problems and Solutions; Materials for laboratory experiments
Prerequisites: MTH303: Algebra II and MTH403: Pre-Calculus/Trigonometry

SCI010: Environmental Science* (S)
This course provides an overview of the nature of ecosystems, energy flow, and the inter-relationships of biology, geology, and chemical cycles. Students explore issues in population studies, environmental pollution, and the organization and dynamics of ecological communities. Specific topics include scientific habits of the mind; the application of scientific knowledge, methodology, and historical context to solve problems; the use of laboratory technologies; earth dynamics; the influence of technology on environmental quality; conservation practices; biodiversity; environmental planning and waste management; environmental monitoring and policy; sustainable use of public land; characteristics of populations; biotic and abiotic environmental factors; and energy production technologies.
Course length: One Semester
Materials: Common household materials for labs
Sci030: Forensic Science *(S,E)
Available Spring 2013 pending approval
This course focuses on the application of scientific processes and tools in solving crimes. This course will teach students the application of scientific process for forensic analysis, procedures and principles of crime scene investigations, surveys of physical and trace evidence, the law and courtroom procedures from the point of view of the forensic scientist, trace evidence autopsies, and other aspects of crime investigation.
Course length: One Semester
Materials: N/A
Prerequisites: Biology and Chemistry

Tch027 Green Design & Technology* (E,O,S)
This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field.
Course length: One semester
Materials: None
Prerequisites: None

Physical Education/Health

Oth020: Physical Education I, II, or III* (E, PE)
This pass/fail 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. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management. Students are required to enroll in PE in the 9th and 10th grades.
Course length: One semester (or more)
Materials: None
Prerequisites: None

Oth010: Skills for Health* (Health)
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. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.
Course length: One semester
Materials: None
Prerequisites: None
WORLD LANGUAGES

Note: WAVA HS World Language courses are highly academic electives. Monroe WAVA HS students must be in at least the 10th grade to enroll in a World Language. Though World Language credit is not a graduation requirement, most four-year Universities will require a minimum of two years of the same World Language for admission. WAVA HS World Languages count as Elective credit.

WLG100: Spanish I (E)
Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly to oral production. Vocabulary and grammar topics are introduced in an ongoing adventure story that prompts students to use skills from all four language learning areas. Students learn fundamental grammar as embedded in authentic spoken language. Cultural information covers major Spanish-speaking areas in Europe and the Americas. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.

Course length: Two semesters
Materials: Vox Everyday Spanish and English Dictionary
Prerequisites: None

WLG200: Spanish II (E)
In this continuing introduction to Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. A continuing storyline 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. As in Spanish I, students learn grammar through supplemental texts that supply traditional charts, tables, and explanations. Cultural information addresses Spanish as it is used around the globe. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.

Course length: Two semesters
Materials: Vox Everyday Spanish and English Dictionary
Prerequisites: WLG100: Spanish I

WLG110: French I (E)
Students begin their introduction to French with fundamental building blocks in four key areas of foreign-language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly to oral production. An ongoing adventure story introduces vocabulary and grammar topics, and prompts students to use skills from the four language-learning areas. Students learn fundamental grammar as embedded in authentic spoken language. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.

Course length: Two semesters
Materials: Larousse Student French-English/English-French Dictionary
Prerequisites: None

WLG210: French II (E)
In this continuing introduction to French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. 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. As in French I, students learn grammar through supplemental texts that supply traditional charts, tables, and explanations. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.

Course length: Two semesters
Materials: Larousse Student French-English/English-French Dictionary
Prerequisites: WLG110: French I or equivalent
Electives

Note: WAVA HS technology courses are designed for PC-IBM compatible computers only. Macintosh computers are not supported.

ART010: Fine Art (E, FA)
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 length: Two semesters (students may choose to enroll in one semester of this course)

Materials: One package of white clay; one set of acrylic paint; one set of round paintbrushes; no other materials provided. It is recommended, but not required, that students have some means of capturing an image of their studio art projects with a digital camera, webcam, or other imaging device.

Prerequisites: None

ART020B: Music Appreciation I* (E, FA)
This course presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide.

Course length: One Semester

Materials: Finale Notepad music notation software

Prerequisites: None

ART020A: Music Appreciation II*(E,FA)
This course introduces students to the history, theory, and genres of music. This semester covers early musical forms, classical music, and American jazz. We also work on beginning music theory (reading and writing music) using music writing software. This course is for students who want to look at the early history of music (before the 20th century) and explore writing music. If you already took ART020B and would like to go deeper into history and music theory, this is the class for you! If you haven’t yet taken ART020B, you can still take this one if it looks interesting to you.

Course length – One semester

Materials – Finale Notepad music notation software

Prerequisites: None

BUS030: Personal Finance
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. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Course Length: One semester

Prerequisites: None

BUS040: Introduction to Entrepreneurship * (E, O)
In this introductory business course, students will learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course will help students develop the core skills they will need to be successful. They will learn how to come up with new business ideas, attract investors, market their business, and manage expenses. Students will get inspired by stories of teen entrepreneurs who have turned their ideas into reality, and then they will plan and execute their own business.

Course length: One semester
Materials: Google Docs (free web service)
Prerequisites: None

**BUS090: Sports and Entertainment Marketing**

Students who have wished to play sports professionally or who have dreamed of becoming an agent for a celebrity entertainer have an interest in sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result. For students who have ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, this course introduces the fundamentals of such a career.

Course Length: One Semester
Materials: None
Pre-Requisites: None

**ORN400: Finding Your Path IV for .5 credit (E) Seniors on track to graduate only**

Finding Your Path IV is available to seniors on track to graduate only. Focus will be on completion of portfolio, culminating challenge and senior presentation requirements.

Course length – One semester
Materials – None
Prerequisites – Limited to seniors on track to graduate same semester

**OTH017: Fashion and Interior Design**

From the clothes we wear to the homes we live in, fashion and design is all around us. In this course, students who have a flair for fashion or who constantly redecorate their room find out what it is like to work in the design industry by exploring career possibilities and the background needed to pursue them. Students try their hand at designing as they learn the basics of color and design, then test their skills through hands-on projects. In addition, they develop the essential communication skills that build success in any business. By the end of the course, students are well on their way to developing the portfolio needed to get started in this exciting field.

Course Length: One Semester
Materials: House items (not supplies). Household items required: Sewing machine, digital camera, measuring tape, project supplies that vary depending on projects chosen, fabric that varies depending on project chosen.
Pre-Requisites: None

**OTH033: Veterinary Science**

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

Course Length: One Semester
Materials: None
Pre-Requisites: None

**OTH035: Early Childhood Education**

Children experience enormous changes in the first few years of their lives. They learn to walk, talk, run, jump, read and write, among other milestones. Caregivers can help infants, toddlers, and children grow and develop in positive ways. This course is for students who want to influence the most important years of human development. In the course, students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school aged children.

Course Length: One Semester
Materials: None
Pre-Requisites: None
OTH036: Gothic Literature
Since the eighteenth century, Gothic tales have influenced fiction writers and fascinated readers. This course focuses on the major themes found in Gothic literature and demonstrates how the core writing drivers produce a suspenseful environment for readers. It presents some of the recurring themes and elements found in the genre. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature.
Course Length: One Semester
Materials: None
Pre-Requisites: None

OTH037: Hospitality and Tourism
With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry is one of the fastest growing in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.
Course Length: One Semester
Materials: None
Pre-Requisites: None

OTH092: Introduction to Health Sciences
Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.
Course Length: One Semester
Materials: None
Pre-Requisites: None

OTH050: Achieving Your Career and College Goals* (E,O)
Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice, and to create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job.
Note: This course is limited to 11th and 12th grade student enrollment
Course length: One semester
Materials: None
Prerequisites: None

OTH060: Family and Consumer Science*(E,O)
This course focuses on the development of skills and knowledge that will help teenagers transition into adult roles within the family and the community. Students engage in activities to learn about managing money, entering the world of work, establishing a home and family, preparing nutritious meals, working as part of a team, and caring for the environment and their community. Students gain an appreciation for the work of the family and how they as individuals contribute to the well-being of their family and their community. The course features include games, videos, slideshow galleries and avatars.
Course length: One semester
Materials: None
Prerequisites: None
SCI010: Environmental Science* (E, S)
This course provides an overview of the nature of ecosystems, energy flow, and the inter-relationships of biology, geology, and chemical cycles. Students explore issues in population studies, environmental pollution, and the organization and dynamics of ecological communities. Specific topics include: scientific habits of the mind; the application of scientific knowledge, methodology, and historical context to solve problems; the use of laboratory technologies; earth dynamics; the influence of technology on environmental quality; conservation practices; biodiversity; environmental planning and waste management; environmental monitoring and policy; sustainable use of public land; characteristics of populations; biotic and abiotic environmental factors; and energy production technologies.

Course length: One semester
Materials: Common household materials for labs
Prerequisites: Success in previous high school science course and a teacher/school counselor recommendation

SCI030: Forensic Science*(S,E)
This course focuses on the application of scientific processes and tools in solving crimes. This course will teach students the application of scientific process for forensic analysis, procedures and principles of crime scene investigations, surveys of physical and trace evidence, the law and courtroom procedures from the point of view of the forensic scientist, trace evidence autopsies, and other aspects of crime investigation.

Course length: One Semester
Materials: N/A
Prerequisites: Biology and Chemistry

TCH010: Computer Literacy * (E, O)
Note: This course serves as a pre-requisite for WAVA HS advanced Technology courses and is a required course for freshman.

Today’s students must be able to effectively use technology to research, organize, create, and evaluate information. This course provides a foundation in the skills and concepts that define computer literacy in the twenty-first century. From the basics of keyboarding to Internet research techniques, document creation, and digital citizenship, students practice essential skills through individual and team projects.

Course length: One semester
Materials: Open Office Suite (Writer word processor, Calc spreadsheet, Draw image editor, and Impress presentation software) (free download)
Prerequisites: None

TCH017: 3D Art I—Modeling* ** (E, O, FA)
This course introduces students to 3D modeling tools and concepts. Using Blender, the popular open-source 3D modeling package, students will learn the basics of creating shapes, adding textures and lighting, and rendering. By the end of the course, students will have produced a series of increasingly sophisticated projects for their 3D portfolios. This course is suitable for students with no prior experience with 3D game design or digital media authoring tools.

Course length: One semester
Materials: PC with 1GB of RAM; Blender (free download)
Prerequisites: TCH010 Computer Literacy or similar high school course such as Digi Tools or Introduction to Computers

TCH018: 3D Art II—Animation* ** (E,O,FA)
In this advanced course, students build on the skills they developed in 3D Art I to learn 3D animation techniques. Using Blender, a powerful open-source modeling tool, they master the basics of animation—rigging, bones, and movement—while learning how to apply traditional animation techniques to their 3D models. They also learn about jobs in the industry.

Course Length: One semester
Software: 3D Art I—Modeling
System Requirements:
Microsoft Windows XP, Windows Vista, or Mac OS X 10.2 or higher operating system; 300 MHz or faster processor; 512 MB of memory (RAM); 64 MB of video RAM; OpenGL graphics card with 16 MB RAM; 3-button mouse; 1024 X 768 monitor resolution with 16 bit color; at least 2 GB of available hard drive space

Prerequisites: TCH017: 3D Art I—Modeling

TCH027 Green Design & Technology* (E,O,S)

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field.

Course length: One semester
Materials: None
Prerequisites: None

TCH030: Image Design & Editing* ** (E,O,FA)

This course is for anyone who wants to create compelling, professional-looking graphic designs and photos. Students will learn the basics of composition, color, and layout before moving on to technical topics such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. At the end of this course, students will have created a variety of original projects for their graphic design portfolios.

Course length: One semester
System Requirements: Microsoft Windows XP, Windows Vista; 400 MHz or faster processor; 512 MB of memory (RAM); at least 2 GB of available hard drive space  Note: Macintosh or Apple computers will not work to complete this course curriculum
Materials: GIMP (free download)
Prerequisites: TCH010 Computer Literacy or similar high school course such as Digi Tools or Introduction to Computers

TCH040: Web Design* ** (E,O,FA)

This course provides a comprehensive introduction to the essentials of Web design, from planning page layouts to publishing a complete site to the Web. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools from Microsoft.

Course length: One semester
Materials: KompoZer (free download) and GIMP (free download)
Prerequisites: TCH010 Computer Literacy or similar high school course such as Digi Tools or Introduction to Computers

TCH070: Game Design* ** (E, O)

This course is for anyone who loves gaming and want to design and build original games from scratch. Students learn how to use popular game-development software to create engaging, interactive games in a variety of styles. After learning about game genres, students learn about all aspects of the game-design process. From there, it's on to a series of increasingly challenging hands-on projects that teach all the elements of successful game development. This course provides a solid foundation in the essentials of game design.

Course length: One Semester
Materials: PC with 1GB of RAM; Blender (free download)
Prerequisites: TCH010: Computer Literacy or similar High School course such as Digi Tools or Introduction to Computers.

**WAVA Omak HS Orientation Courses**

**ORN010: Online Learning 11-12**

*Note:* These required courses are non-graded and do not award credit.

The Online Learning course explains to students how the K12 high school program works, and provides tips on successful online learning. Students are introduced to the online tools they will use during their high school experience, including the Learning Management System that delivers course assignments. Students take part in online discussions and practice submitting computer-scored assessments and other assignments to teachers. Lifelong learning skills such as time management and study habits are also covered. By the end of the course, students will be fully prepared to begin their K12 high school courses.

Course length: approximately 2 hours

Materials: None
Prerequisites: None