



Korea International School

The mission of Korea International School is to inspire students with a passion for learning and cultivate the competence, self-assurance, initiative, and creativity necessary for success in the global community.

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About this guide...

This course guide was prepared by Korea International School (KIS) administrators and teachers to assist you in planning your high school academic program. This document can help identify courses for which you wish to register for the upcoming school year and/or assist you with planning a course of study that will help you accomplish your future educational goals.

This course guide is organized by the programs of study offered to KIS students in each subject area. The following table of contents will direct you to each section:

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KIS Four-year Plan

Name: _____

Course (Requirements)	9th Grade	10th Grade (AP Limit = 1)	11th Grade (AP Limit = 2)	12th Grade (AP Limit =3)
English (4 Years)	<input type="checkbox"/> English 9	<input type="checkbox"/> English 10	<input type="checkbox"/> English 11 <input type="checkbox"/> AP Language	<input type="checkbox"/> English 12 <input type="checkbox"/> AP Literature
Math (4 Years) Must have Passed: Geometry Algebra 2/Trig	<input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra II	<input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra II <input type="checkbox"/> PreCalc	<input type="checkbox"/> Algebra II <input type="checkbox"/> Pre-calculus <input type="checkbox"/> Trigonometry & Funct. <input type="checkbox"/> Calculus <input type="checkbox"/> AP Calculus AB <input type="checkbox"/> AP Calculus BC	<input type="checkbox"/> Trigonometry & Functions <input type="checkbox"/> Pre-calc <input type="checkbox"/> Statistics <input type="checkbox"/> AP Statistics <input type="checkbox"/> Calculus <input type="checkbox"/> AP Calculus AB <input type="checkbox"/> AP Calculus BC <input type="checkbox"/> Multivariable Calc/Linear Algebra with Diff. Eq.
Science (3 Years) Must include: Biology Chemistry	<input type="checkbox"/> Biology	<input type="checkbox"/> Chemistry	<input type="checkbox"/> AP Biology <input type="checkbox"/> AP Chemistry <input type="checkbox"/> AP Physics I <input type="checkbox"/> Physics <input type="checkbox"/> AP Environmental Sci <input type="checkbox"/> Environmental Science <input type="checkbox"/> Astronomy	Options: <input type="checkbox"/> AP Biology <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> AP Physics I <input type="checkbox"/> AP Physics II <input type="checkbox"/> AP Environmental Science <input type="checkbox"/> Environmental Science <input type="checkbox"/> Astronomy
Social Studies (3 yrs) Must include: East Asian Studies World History US History	<input type="checkbox"/> East Asian Studies	<input type="checkbox"/> World History <input type="checkbox"/> AP World History	<input type="checkbox"/> US History <input type="checkbox"/> AP US History	Options: <input type="checkbox"/> Economics (.5) <input type="checkbox"/> Psychology (.5) <input type="checkbox"/> Philosophy (.5) <input type="checkbox"/> AP Psychology <input type="checkbox"/> AP World History <input type="checkbox"/> AP Macro/Micro Economics
Other: Must include: * 2 years of PE & * 1 yr. of Visual or Perf. Art	<input type="checkbox"/> Essentials of Physical Education (1 Credit)	<input type="checkbox"/> Advanced PE I (.5) and <input type="checkbox"/> Advanced PE II (.5)		
Electives: Must have 5 Elective credits				
Electives:				

KIS Course Offerings

Grade 9	Grade 10	Grade 11	Grade 12
World Languages Spanish I, II, III French I, II, III Chinese I, II, III Korean I, II, III	World Languages Spanish I, II, III, IV French I, II, III, IV Chinese I, II, III, IV Korean I, II, III	World Languages Spanish I, II, III, IV, AP French I, II, III, IV, AP Chinese I, II, III, IV, AP Korean I, II, III	World Languages Spanish I, II, III, IV, AP French I, II, III, IV, AP Chinese I, II, III, IV, AP Korean I, II, III
English Electives Creative Writing (.5) Forensic-Speech & Debate	English Electives Creative Writing (.5) Digital Journalism(.5),Adv.DJ Forensic-Speech & Debate Yearbook	English Electives Film as Literature (.5) Creative Writing (.5) Digital Journalism(.5),Adv.DJ Forensic-Speech & Debate Yearbook	English Electives Film as Literature (.5) Creative Writing (.5) Digital Journalism(.5), Adv D.J. Forensic-Speech & Debate Yearbook
Science Electives	Science Electives AP Biology	Science Electives Astronomy AP Biology AP Chemistry Environmental Science AP Environmental Science Physics AP Physics I	Science Electives Astronomy AP Biology AP Chemistry Environmental Science AP Environmental Science Physics AP Physics I AP Physics II
Social Studies Electives	Social Studies Electives Economics (.5) Psychology (.5) AP World History	Social Studies Electives Economics (.5) Philosophy (.5) Psychology (.5) AP Psychology AP World History AP US History AP Macro/Micro Economic	Social Studies Electives Economics (.5) Philosophy (.5) Psychology (.5) AP Psychology AP World History AP US History AP Macro/Micro Economic
Other	Other AP Capstone Seminar	Other AP Capstone Seminar Leadership I (.5), II (.5) Intro to Mathematical Proofs (.5)	Other AP Research Leadership I (.5), II (.5) Intro to Mathematical Proofs (.5) KIS Study (0)
Computer/Technology Comp Graph App I, II (.5) Intro to Programming (.5) Intermediate Program (.5) CAD(.5), Adv CAD (.5) Robotics(.5), Adv Robotic (.5)	Computer/Technology Comp Graph App I, II, Adv (.5) Intro to Programming (.5) Intermediate Programming (.5) CAD(.5), Adv CAD (.5) Robotics(.5), Adv Robotics (.5)	Computer/Technology Comp Graph App I, II, Adv (.5) Intro to Programming (.5) Intermediate Programming (.5) CAD(.5), Adv CAD (.5) Robotics(.5), Adv Robotics (.5) AP Comp Science Principles	Computer/Technology Comp Graph App I, II, Adv (.5) Intro to Programming (.5) Intermediate Programming (.5) CAD(.5), Adv CAD (.5) Robotics(.5), Adv Robotics (.5) AP Comp Science Principles
Music Concert Choir Phoenix Chamber Singers Concert Orchestra Phoenix Orchestra Concert Band Phoenix Wind Ensemble Concert Percussion	Music Concert Choir Phoenix Chamber Singers Concert Orchestra Phoenix Orchestra Concert Band Phoenix Wind Ensemble Concert Percussion	Music Concert Choir Phoenix Chamber Singers Concert Orchestra Phoenix Orchestra Concert Band Phoenix Wind Ensemble Concert Percussion AP Music Theory	Music Concert Choir Phoenix Chamber Singers Concert Orchestra Phoenix Orchestra Concert Band Phoenix Wind Ensemble Concert Percussion AP Music Theory
Theater Theatre I (.5), II (.5) Stage Craft (.5) Advanced Theatre I	Theater Theatre I (.5), II (.5) Stage Craft (.5) Advanced Theatre I, II	Theater Theatre I (.5), II (.5) Stage Craft (.5) Advanced Theatre I, II	Theater Theatre I (.5), II (.5) Stage Craft (.5) Advanced Theatre I, II
Visual Arts Digital Photo (.5), Adv(.5) 2D Art I (.5), II (.5) 3D Art I (.5), II (.5)	Visual Arts Digital Photo (.5), Adv(.5) 2D Art I (.5), II (.5), III 3D Art I (.5), II (.5), III	Visual Arts Digital Photo (.5), Adv(.5) 2D Art I (.5), II (.5), III, AP 3D Art I (.5), II (.5), III, AP	Visual Arts Digital Photo (.5), Adv(.5) 2D Art I (.5), II (.5), III, AP 3D Art I (.5), II (.5), III, AP

KIS GRADUATION REQUIREMENTS

One half credit is awarded for each semester of a course completed with a passing grade of D or higher, in grades 9 through 12. A minimum of 22 credits is required for graduation. Admission to selective colleges requires higher level courses than the KIS requirements for graduation. Students can take 7 credits per year, so several high level elective classes may be completed.

Course requirements for **college admission** vary greatly depending upon the selectivity, competition and requirements of a specific college or program. Consult your counselor for a course of study that provides the best chance of admission to the colleges to which you aspire.

Subject Graduation Credit Requirements

English	4 credits	1 English 9 1 English 10 1 English 11 or AP Eng. Lang. 1 English 12 or AP Eng. Lit
Mathematics	4 credit	1 Geometry 1 Algebra II 2 Math Electives
Social Studies	3 credits	1 East Asian Studies 1 World History or AP World History 1 United States History or AP US History
Science	3 credits	1 Biology 1 Chemistry 1 Science Elective
Physical Education	2 credits	
Visual and Performing Arts	1 credit	
Electives	5 credits	
Total	22 credits	

English

Course Title	Credits	Course Description
English 9 – World Literature	1.0	<p>Through a variety of short stories, novels, plays, poetry, and works of nonfiction from world literature, students will enhance reading, writing, verbal, and analytical skills independently as well as in small and large group settings. The focus will be on development of reading strategies, literary analysis, and contextual grammar and vocabulary instruction. Through whole class and individualized instruction in outlining, creating drafts, revision, and peer-editing, students will develop a more sophisticated approach to the academic writing process. In-class journals and descriptive, narrative writing are also featured in multiple units. Speaking and listening will be incorporated through speeches, seminars, and presentations. Technology integration may include drafting and group revisions via Google Drive, building websites, recording podcasts, creating i-movies, and using internet research resources.</p> <p>Texts may include: <i>Romeo and Juliet, Of Mice and Men, Animal Farm, Things Fall Apart, The Book Thief, The Alchemist, Tuesdays with Morrie, Into Thin Air, Alive, First They Killed My Father, Chinese Cinderella, Balzac and the Little Chinese Seamstress</i>, and a variety of short stories, poetry and articles.</p>
English 10 – British Literature and Composition	1.0	<p>This course is a survey of British literature. Students will read short stories, essays, poems, and novels taken from the Old English, Middle English, Renaissance and Modern literary periods. Readings will range from the earliest works of British Literature to authors such as Chaucer, Shakespeare, Orwell and Huxley. Students will engage in essay and research writing, book projects, independent reading, collaborative conversation, and public speaking.</p> <p>Texts may include: <i>Beowulf, The Canterbury Tales, Macbeth, Dr. Jekyll and Mr. Hyde, The Picture of Dorian Gray, Brave New World, 1984, Fahrenheit 451.</i></p> <p>Prerequisite: English 9</p>

English (cont.)

Course Title	Credits	Course Description
English 11 – American Literature and Composition	1.0	<p>This course is a survey of American Literature. Students will read short stories, essays, poetry, novels, and plays that emphasize thematic and historical concepts that have defined and shaped the way we view culture, race, society, and the media in the United States.</p> <p>Since this class is typically taken during the 11th grade, along with U.S. History, students will be expected to integrate the thematic learning from both subjects. Students will engage in a variety of writing modes including narrative, rhetorical analysis, argumentative, synthesis, and research. Oral skill work will range in formality from class discussions and group presentations, to delivering a formal speech.</p> <p>Texts may include: <i>Elements of Literature – American Literature</i>. and <i>50 Essays</i>. Novels and plays may include but are not limited to: <i>The Crucible</i>, <i>One Flew Over the Cuckoo’s Nest</i>, <i>A Raisin in the Sun</i>, and <i>Flight</i>.</p> <p>Prerequisite: English 10</p>
AP Language Grade 11	1.0	<p>The purpose of this course is to help students read critically, think analytically, and communicate effectively in both writing and speech. We will examine a broad range of texts with an emphasis on American non-fiction. This includes essays, speeches, letters, images, novels, articles, and film. Students will use these texts as models for their own writing.</p> <p>Students will demonstrate their skills through an exploration of genres in writing. This will include timed and multi-draft essays, a research paper, a writing project centered on identity, and varied writing assignments. In essence, this course is a study of language, so awareness of a writer’s purpose, style, and strategies is essential. Furthermore, we will strictly adhere to course objectives that are provided by College Board.</p> <p>Selected Texts: <i>The Crucible</i>, Miller. <i>The Awakening</i>, Chopin. <i>The Great Gatsby</i>, Fitzgerald. <i>Death of a Salesman</i>, Miller. Non-fiction selections from <i>50 Essays</i>, Cohen</p> <p>Prerequisite: “B” average or higher in English 10, and strong, critical thinking, reading, and writing skills. Required written diagnostic in January/February. English 10 teacher approval.</p>

English (cont.)

Course Title	Credits	Course Description
<p>AP English: Literature and Composition Grade 12</p>	<p>1.0</p>	<p>AP Literature and Composition is a class designed to be the equivalent of a college course. Students should be prepared to experience great literature; to read widely and critically; to write extensively and for a variety of purposes; and to prepare for the AP Literature and Composition Exam.</p> <p>In the College Board’s description of the AP English Literature and Composition class, they describe the purpose of the course: <i>An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.</i></p> <p>Similarly, AP Literature students will engage a number of varied texts in order to understand and analyze them and use those texts as models of their own writing. Students will work to become powerful readers—able not only to understand what a writer is communicating, but also how he or she manipulates the English language to achieve those effects. Students will take this knowledge and apply it to their own writing.</p> <p>In addition, students will independently read novels and/or plays of AP merit in working towards building a personal literary canon they will use to attack the [AP Literature] exam’s third essay prompt: the open prompt.</p> <p>Texts may include: Roberts and Jacob, <i>Literature: An Introduction to Reading and Writing</i>, 7th Edition, <i>Othello</i>, <i>Antigone</i>, <i>Oedipus</i>, <i>Native Speaker</i>, and other independently selected novels.</p> <p>Prerequisite: A rising 12th grade student who is passionate about reading literature and participating in analytic discussions regarding literature, characters, and relating them to the world in which we live. Students must have earned at least B+ in previous English courses and the signature-approval of the current English teacher is required.</p>

English (cont.)

Course Title	Credits	Course Description
English 12 – Thematic Literature and Composition	1.0	<p>This course will examine literature from a thematic standpoint, exploring universal themes and enjoying the power of the written word. Studying and responding to literature is about our humanity and about self-transformation, so prepare yourself for an exciting year of reading critically, creating, imagining, discussing, writing and reflecting. Students will read fiction and nonfiction from a variety of perspectives relating to essential questions and concepts. Students’ reading will focus on both big ideas and details, while their writing will move towards college-level analysis, argument and considered reaction, and engaging narratives. Speaking assessments will focus on collaborative group discussion, individual formal speaking and performances.</p> <p>Texts: <i>The Handmaid’s Tale, Oedipus Rex, Beloved, V for Vendetta, The Merchant of Venice, The Curious Incident of the Dog in the Nighttime</i>, various articles, lectures, poems, etc.</p> <p>Prerequisite: English 11</p>
Film as Literature	.5	<p>There’s no denying that we live in a visual society. There’s also no denying the power of film to tell a story.</p> <p>In this course, students will study how films are constructed and how to “read” films from a variety of genres and time periods in order to analyze the relationship between the film, audience, and the world in which we live.</p> <p>Students will use language and literary techniques to analyze and discuss thematic, technical, artistic and personal factors to identify how narrative is developed in film, how representations are constructed and how it affects the audience.</p> <p>Students will be expected to write in a variety of modes, such as analytical essays and film critiques and be able to analyze supplementary print materials. This knowledge will be applied to the development of numerous practical projects that mirror what is learned in watching films. The major focus will be for students to learn the craft of screenwriting and filmmaking in order to understand and appreciate media texts as a form of literature and art.</p> <p>Prerequisite: Successful completion of English 10</p> <p>Films May Include: <i>Inception, North by Northwest, Memento, The Matrix, Star Wars Episode IV, God Grew Tired of Us.</i></p>

English (cont.)

Course Title	Credits	Course Description
Creative Writing Grades 9-12	.5	In this semester course students will have the opportunity to hone their craft as short-story writers and poets. Various narrative and poetic techniques will be studied and practiced in informal classroom activities, such as writing from prompts, listening to author interviews, and reading exemplar poems and stories. Students will transfer their knowledge and skills to write and revise original stories and poems. Ultimately, students will share their pieces in a workshop setting, with the goal of utilizing the feedback of peers and the instructor to make worthwhile revisions to their works. Students will have the opportunity to share their best work with the KIS community in a semi-annual digital publication.
Forensics : Speech and Debate Grades 9-12	1.0	<p>Forensics class offers students an opportunity to hone their skills in debate and speech events. Categories include Parliamentary, Public Forum, and Lincoln-Douglas style debate; as well as a variety of individual speech events, including Original Oratory, Dramatic and Humorous Interpretation, Interpretive Reading, Extemporaneous Speaking, and Impromptu Speaking. Forensics offers students the opportunity to gain expertise in a variety of valuable skills, including research skills, critical thinking, evaluation of sources, rhetoric and verbal communication, non-verbal communication, and the ability to think on one's feet. It also affords the opportunity to explore fields such as current events, public policy, and philosophy. Participants may have the opportunity to compete in speech and debate events both locally and internationally. Those wishing to participate in KAIAC speech and debate competitions must try out for the speech and/or debate team.</p> <p>The course will accept both novices (beginners) and experienced debaters.</p>

English (cont.)

Course Title	Credits	Course Description
<p>Digital Journalism Grades 10-12</p>	.5	<p>Students taking this course will learn through hands-on, project-based assignments how to design persuasive news stories that both inform and entertain their audiences.</p> <p>This course will focus on the design elements of the still image, the use of persuasive language in writing feature articles and editorials, the production values used in producing broadcast quality news stories and analyzing a wide range of Media texts using Film Language. Practical journalism skills will be further developed by students in the production of Media products such as a photography portfolio, a digital analytical article anthology, student news reports and a mini-documentary. Contributions to the school news will be managed using Media Industry practices. Technologies including SLR and digital video cameras and editing software such as iMovie and Adobe Primer will also be explored. This is a demanding but engaging course of study suitable for those interested in strengthening their written, creative thinking and analytical skills.</p>
<p>Advanced Digital Journalism</p>	1.0	<p>The primary focus of the Advanced Digital Journalism (ADJ) course is for students to work as a team to simulate the production of a professional broadcast news program. In the making of PTV – Phoenix Television. Students design news stories by modeling industry practices, which require skills such as researching, investigating, interviewing, writing voice-over and camera scripts, scheduling location film shoots and video editing. All important life skills such as organization, problem-solving, negotiating, public speaking and time management skills (which are intrinsic to the nature of Journalism) are also developed. While video production will be the primary focus of the course with episodes having to meet deadlines for uploading onto KIS’s website for PTV students will engage further in the theoretical study of Journalism by examining the Code of Ethics and investigating famous Journalists and news correspondents. Media Literacy skills such as the analysis of media texts using Film Language will also be an essential element of this full year course.</p> <p>Advanced Digital Journalism will challenge students to be inquisitive citizens, who can think creatively and articulate their ideas clearly to produce insightful content based on the world they live in.</p> <p>Prerequisite: Students must complete an application during the registration process. Acceptances will be based upon prior experience with journalism and/or completion of Digital Journalism.</p>

English

Course Title	Credits	Course Description
Yearbook	1.0	<p>The goal of this course is to create the KIS yearbook and video yearbook. The process will involve elements of journalism, photography, and design. For the journalism component, students will learn to write in a concise, active manner. For the photography component, students will learn basic photography skills, understand terms used in digital photography, and how to use Adobe Photoshop and iPhoto to edit and enhance their photos. Finally, students will organize and design the overall layout using InDesign to create the pages that will make up the yearbook, which will be published in the spring. This course requires serious commitment, the desire to take on a leadership role and the ability to work actively as a team. Admittance by interview only in spring of prior school year.</p> <p>Prerequisite: Admittance by interview only in spring of prior school year.</p>

English for Speakers of Other Languages (ESOL)

Course Title	Credits	Course Description
English for Speakers of Other Languages: Level I Grades 9-12	2.0	<p>High school students who test into Level I are required to enroll in the HS Beginning ESOL course. Beginning ESOL will cover two blocks. These courses are designed for “Entering” and “Beginning” English language learners. Students engage in intensive academic instruction designed to improve listening, speaking, reading, and writing communication skills. Emphasis is on developing academic English communication skills across all content areas.</p> <p>Prerequisite: WIDA language assessment results between level 1.6-2.5 or ESOL department recommendation.</p>
English for Speakers of Other Languages: Level II Grades 9-12	2.0	<p>High school students who test or matriculate into Level II are required to take two courses (ESOL Writing and ESOL Reading & Language) designed for “Developing” and “Expanding” English language learners. The ESOL Writing and ESOL Reading & Language courses are taken concurrently, and are a continuation of the Beginning ESOL course. Students engage in intensive academic instruction designed to improve oral, reading, and writing communication skills. Like Beginning ESOL, this course includes a heavy emphasis on academic language across content areas.</p> <p>Prerequisite: WIDA language assessment results between level 2.6-3.9 or ESOL department recommendation.</p>
English for Speakers of Other Languages: Level III Grades 9-12	1.0	<p>High school students who test or matriculate into Level III qualify as “monitored” students and are mainstreamed in content area courses. Level III students are required to enroll in this course which focuses on content area writing. When students achieve a score of 5.0 or higher on the WIDA language assessment, they will be fully mainstreamed and will no longer require an ESOL course.</p> <p>Prerequisite: WIDA language assessment result between level 4.0-4.9 or ESOL department recommendation.</p>

Student Support

Course Title	Credits	Course Description
Student Support	.5	In this course, students will evaluate their learning styles and utilize them to adopt corresponding study strategies. The students will learn how to develop measurable SMART goals, as well as, track and evaluate outcomes. In addition, students will receive guided support in organization and time management skills. This course aims to provide students with strategies and resources to achieve their highest level of success.

Mathematics

Course Title	Credits	Course Description
Algebra I	1.0	<p>Algebra I focuses on developing algebraic fluency. Students develop an understanding of algebra as a tool for thinking and communicating across all strands of mathematics and to think critically using problem-solving activities. Topics include solving algebraic equations and simplifying expressions, factoring polynomials, applying fractions in ratios and proportions, solving systems of linear equations and inequalities, and solving quadratic equations.</p> <p>Text: <i>Pearson Algebra 1 Common Core</i> Calculator: TI-Nspire CX CAS Prerequisite: Pre-Algebra</p>
Geometry	1.0	<p>Geometry focuses on the study of shapes and their application to real-world scenarios. Students use and develop logic as a problem-solving tool. Topics include points, lines, planes, triangles, quadrilaterals and other polygons, angles, reasoning, proofs, proportion and similarity, trigonometry, circles, area, surface area, volume, and transformations.</p> <p>Text: <i>Pearson Geometry Common Core</i> Calculator: TI-Nspire CX CAS Prerequisite: Algebra I</p>
Algebra II	1.0	<p>Algebra II focuses on the deeper development of algebra skills in order to prepare students for higher-level mathematics. Students explore mathematics through traditional means while expanding their knowledge through the use of technology. Topics include linear equations and inequalities, systems of linear equations and inequalities, quadratic functions, polynomials, powers, roots, radicals, exponential and logarithmic functions, rational equations, trigonometric ratios and functions, matrices and applications.</p> <p>Text: <i>Pearson Algebra 2 Common Core</i> Calculator: TI-Nspire CX CAS Prerequisite: Algebra I and Geometry</p>

Mathematics (cont.)

Course Title	Credits	Course Description
Introduction to Mathematical Proofs	.5	<p>Introduction to Mathematical Proofs focuses on exploring the methods of reasoning used in advanced mathematics. This abstract class uses logic and mathematical reasoning to verify and prove whether mathematical statements are true or false. Proof techniques will include direct proof, contrapositive proof, proof by contradiction, proof by induction, disproofs, etc.</p> <p>Text: <i>Book of Proof</i> (2nd Edition), Richard Hammack Paperback: ISBN 978-0-9894721-0-4 Hardcover: ISBN 978-0-9894721-1-1 Prerequisite: Algebra 2</p>
Trigonometry and Functional Analysis	1.0	<p>Trigonometry and Functional Analysis focuses on a holistic approach of mathematics. Topics include financial mathematics, functions, probability, statistics and trigonometry. Instruction is built around projects, application and exploration.</p> <p>Text: <i>Mathematical Studies SL</i> Calculator: TI-Nspire CX CAS Prerequisite: Algebra II</p>
Pre-Calculus	1.0	<p>Pre-Calculus focuses on specific skills necessary for higher-level courses, including Calculus and Statistics. Topics include polynomial, exponential logarithmic, trigonometric functions, sequences and series, analytic geometry (ie: conics and polar equations), probability, 3D geometry, and an introduction to limits.</p> <p>Text: <i>Precalculus With Limits: A Graphing Approach</i> Calculator: TI-Nspire CX CAS Prerequisite: C+ in Algebra II</p>

Mathematics (cont.)

Course Title	Credits	Course Description
Statistics	1.0	<p>Statistics focuses on exploring and analyzing real-world data sets, along with designing and carrying out studies. The course will focus on building skills in data collection, descriptive and inferential statistics, probability, and using technological tools to analyze statistics. Students will use multiple representations to present findings including written descriptions, numerical statistics, formulas, and graphs.</p> <p>Text: <i>The Practice of Statistics</i> (Starnes, Tabor, Yates, and Moore) Calculator: TI-Nspire CX CAS Prerequisite: Senior with Algebra II, TFA, or Pre-calculus credit</p>
Calculus	1.0	<p>Calculus focuses on an introduction to the rigorous study of college-level mathematics. Topics include a brief review of Pre-calculus topics, analysis of graphs, limits of functions, continuity, asymptotes, applications of derivatives, integrals, anti-differentiation, Fundamental Theorem of Calculus, and applications of integration.</p> <p>Text: <i>Calculus: A Single Variable" 9th Ed.</i> Larson Edwards Calculator: TI-Nspire CX CAS Prerequisite: Precalculus with at least a "C+" average both semesters and teacher recommendation</p>
AP Statistics	1.0	<p>AP Statistics is an introduction to the rigorous study of college-level statistics. The course focuses on building knowledge of key statistical concepts and their subtleties, and the development of good technical writing skills in order to convey the results of a statistical analysis. The year is divided into four major themes: exploratory analysis, planning and conducting a study, probability, and statistical inference.</p> <p>Text: <i>The Practice of Statistics</i> (Starnes, Tabor, Yates, and Moore) Calculator: TI-Nspire CX CAS Prerequisite: Senior with a recommendation from your math and English teachers, with at least a "B" in Pre-calculus or an "A" in TFA.</p>

Mathematics (cont.)

Course Title	Credits	Course Description
AP Calculus AB	1.0	<p>AP Calculus AB focuses on understanding the meaning and relationships among concepts of calculus. Topics include a brief review of Pre-calculus topics, analysis of graphs, limits of functions, continuity, derivatives, integrals, applications of derivatives and integrals, and the Fundamental Theorem of Calculus.</p> <p>Text: <i>Calculus of a Single Variable: Early Transcendental Functions</i> Calculator: TI-Nspire CX CAS Prerequisite: Pre-calculus with at least a “A-” average both semesters and teacher recommendation</p>
AP Calculus BC	1.0	<p>AP Calculus BC focuses on deepening the understanding of calculus concepts. Topics include an overview of all the topics of AP Calculus AB, sequences and series, polar functions, parametric functions, l’Hopital’s rule, vector functions.</p> <p>Text: <i>Calculus: Graphical, Numerical, Algebraic</i> Calculator: TI-Nspire CX CAS Prerequisite: 95% in Pre-calculus both semesters with a teacher recommendation and successful completion of learning objectives outlined in KIS independent study program. OR B- in AP Calculus AB both semesters OR A- in Calculus and teacher recommendation</p>
Multivariable Calculus (fall semester course)	.5	<p>Multivariable Calculus focuses on the material of AP Calculus and expands these into three dimensions. Topics include three dimensional graphing, partial derivatives, extrema of functions with 2 independent variables, double and triple integrals. All topics include applications in engineering, physics and other discipline areas.</p> <p>Text: <i>Calculus</i> Ron Larson Calculator: TI-Nspire CX CAS Prerequisite: A- in AP Calculus AB both semesters with a teacher recommendation as well as a Calculus 2 class from a pre-approved institution with a transcript of C or higher. OR B in AP Calculus BC both semesters and teacher recommendation</p>

Mathematics

Course Title	Credits	Course Description
Linear Algebra with Differential Equations (spring semester course)	.5	<p>Linear Algebra with Differential Equations focuses on the material covered in college as a one-semester linear algebra class. Topics include linear systems, linear transformations, orthonormal bases, the Gram-Schmidt orthogonalization process, least squares curve fitting procedures, eigenvalues, eigenvectors and differential equations.</p> <p>Text: <i>Linear Algebra with Applications</i>” Otto Bretscher</p> <p>Calculator: TI-Nspire CX CAS</p> <p>Prerequisite: A- in AP Calculus AB both semesters with a teacher recommendation as well as a Calculus 2 class from a pre-approved institution with a transcript of C or higher. OR B in AP Calculus BC both semesters and teacher recommendation</p>

Science

Course Title	Credits	Course Description
Biology	1.0	<p>This required grade 9 course will explore the inner workings of the living world through authentic scientific investigations. Students will engage in inquiry-based experiments of their own design to explore the content. Assessment and knowledge will be developed through group discussion, experiments, lab reports, and application of content to real-world scenarios. Topics include but are not limited to: biochemistry, cells, cellular energetics, DNA and RNA, genetics, evolution, and ecology.</p> <p>Text: <i>Biology</i>, 2012 edition, by Holt</p>
Chemistry	1.0	<p>This required grade 10 course will provide a firm foundation in chemical concepts and principles. Students will be instilled with an appreciation of the vital role chemistry plays in our lives. Students will be engaged through lectures, projects, independent research, laboratory activities, and lab reports. Topics will include, but are not limited to: the nature of chemistry as a science, atomic structure, electron configuration, the periodic table of elements, chemical formulas and bonding, chemical reactions and equations, states of matter, chemical equilibrium, acids and bases, and chemical thermodynamics.</p> <p>Text: <i>Modern Chemistry</i>, by Holt</p>
AP Biology	1.0	<p>This is an intensive course that will help prepare students for the AP Biology examination. This course carries an immense time commitment. Students will be engaged through lectures, projects, laboratory activities, biotechnology experiences and lab reports. Topics include but are not limited to: biochemistry, cells and cellular genetics, heredity, molecular genetics and evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology.</p> <p>Text: <i>Campbell Biology: A Global Approach</i> – 10th edition Prerequisite: Biology</p>

Science (cont.)

Course Title	Credits	Course Description
Environmental Science	1.0	<p>This introductory Environmental Science course is an engaging and interdisciplinary field of study showing students the unlimited opportunities for careers in environmental science and engineering. This course emphasizes how humans impact their environment, and how these impacts are controlled and mitigated through today’s political, scientific, and engineering communities. The introductory course differs from the APES course in that it is entirely project-based, and has significant topic flexibility with opportunities for individual student research. Topics include water resource management, forestry, soil science, recycling, toxicology, alternative energy, engineering, ethics, and economics. All of these topics will have a “think globally, act locally” feel to understand how we must use Earth’s natural resources economically and sustainably.</p> <p>Texts: <i>Silent Spring</i> (Carson); <i>Human Nature</i> (Trefil); Other landmark sources. Prerequisites: Biology and Chemistry</p>
AP Environmental Science	1.0	<p>The AP Environmental Science course is a rigorous, college-level course designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, and sit for the AP exam. Students will identify and analyze environmental problems that are both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. This course differs from the introductory Environmental Science course in that it is more laboratory- and textbook-based requiring detailed lab reports and summative exams. APES integrates the students’ prior coursework in biology and chemistry, and uses case-studies and laboratories to develop content knowledge and scientific methodologies to explore our living world.</p>

Science (cont.)

Course Title	Credits	Course Description
Astronomy	1.0	<p>In this class, we will be studying the universe. We will start with "classical" astronomy, describing the night sky and organizing what we see as was done in ancient times, including observational astronomy using telescopes. We will then embark on a journey, starting here on Earth and progressing outward, to study the Solar system, the Milky Way galaxy, and the wonderful and strange objects we observe in deep space, such as black holes, quasars, and supernovae. We will end with some discussion of what scientists know today about the universe as a whole. We will examine different theories relating to the origin of the universe and where it's headed in the future. Along the way we will introduce some of the methods, theoretical and experimental, that have been used to understand all of this, from Newton's laws, through our understanding of light and matter, to Einstein's theory of relativity, and from Galileo's telescope to WMAP.</p>
AP Chemistry	1.0	<p>The course begins with the structure of matter, and rapidly progresses through bonding and intermolecular forces, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. At least 16 labs are conducted that foster excellent analytical and science writing skills, as each lab requires a detailed laboratory report to be written. Strong algebra skills are important for success. The College Board sees AP Chemistry as preparation for 84 career areas and 48 college majors.</p> <p>Text: Prentice Hall; <i>Chemistry: The Central Science</i> Prerequisite: Chemistry ("B" average or higher)</p>

Science (cont.)

Course Title	Credits	Course Description
Physics	1.0	<p>Introduction to Physics is an introductory, year-long course combining both the conceptual and problem solving aspects of physical science. It is designed primarily for juniors and seniors who are interested in pursuing further studies in physical science. Topics include: Forces and Interactions, Energy, Waves and Their Applications, Earth's Place in the Universe, and Earth's Systems. Students will develop problem solving skills using basic algebra and trigonometry. The major goal of the program is to understand the basic principles of physics and how they connect to our everyday life. The ability to apply these principles in the solution of problems is emphasized throughout the course.</p> <p>Text: Glencoe/McGraw-Hill; <i>Physics: Principles and Problems</i> Prerequisite: Biology, Chemistry</p>
AP Physics 1	1.0	<p>AP Physics 1 is intended to be the first physics course for juniors or seniors interested in pursuing further study in science, technology, engineering, medicine, and other related fields. This course relies heavily on proportional reasoning, basic trigonometry, and algebra, and moderate fluency with these concepts is necessary for success in the course. However, AP Physics 1 emphasizes deep conceptual understanding through application, lab-work, discussion, design thinking, and written analysis. College Board describes the course as being “the equivalent to a first-semester college course in algebra-based physics.” Content in the course includes: mechanics, dynamics, work, energy, power, waves, sound, and electric circuits.</p> <p>Text: <i>OpenStax: College Physics for AP Courses</i> Prerequisite: Biology, Chemistry, Pre-Calculus (“B” average or higher) or Algebra 2 (“A-“ Average or higher)</p>

Science

Course Title	Credits	Course Description
AP Physics 2	1.0	<p>AP Physics 2 is designed for students who have already taken AP Physics 1 or Intro Physics and are interested in pursuing further study in science, technology, engineering, medicine, and other related fields. This course relies heavily on proportional reasoning, basic trigonometry, and algebra, and moderate fluency with these concepts is necessary for success in the course. However, AP Physics 2 emphasizes deep conceptual understanding through application, lab-work, discussion, design thinking, and written analysis. College Board describes the course as being “the equivalent to a second-semester college course in algebra-based physics.” Content in the course includes: fluid mechanics, thermodynamics, electricity and magnetism, optics, nuclear physics, and modern physics.</p> <p>Text: <i>OpenStax: College Physics for AP Courses</i></p> <p>Prerequisite: Successful completion of AP Physics 1 or “B” average or higher in Physics.</p>

Social Studies

Course Title	Credits	Course Description
East Asian Studies	1.0	<p>East Asian Studies is a year long survey course introducing students to a variety of academic disciplines in the social sciences and humanities. This class will address the geography, economies, political systems, philosophies and history of China, Korea, and Japan. The scope of this content is vast and by necessity we will be looking at selected topics. The largest portion of the class will focus on modern East Asia from the 19th century to contemporary times. There will be particular emphasis on developing academic skills essential to success in high school social studies and to college readiness.</p> <p>Text: Pearson; <i>Pacific Century</i> Prerequisite: Required for all 9th grade</p>
Asian Studies	.5	<p>Asian Studies is a semester length survey course introducing students to East Asian culture and history through a variety of academic disciplines in the social sciences and humanities. The scope of this content is large and by necessity we will be looking at selected topics. There will be particular emphasis on developing academic skills essential to college readiness.</p> <p>Text: Pearson; <i>Pacific Century</i> *If not already taken, this is a graduation requirement</p>
World History	1.0	<p>This course breaks down the immense content of World History into six different themes. The first semester will explore the classics, trade and exploration, and revolutions, while the second semester will focus on how Industrialization leads to imperialism, nationalism leads to world conflict, and finally examine the Cold War to the modern era. By using a variety of different strategies students will also learn what it is to be a historian by looking at how events and themes tend to repeat themselves throughout history.</p> <p>World History or AP World History is required for 10th grade students.</p> <p>Text: <i>World History: Patterns of Interaction</i></p>

Social Studies (cont.)

Course Title	Credits	Course Description
AP World History	1.0	<p>The AP World History course is an intensive study of non-Western history. The course relies heavily on college-Level texts, primary source documents, and outside readings. Students will be required to participate in class discussions, group presentations, and individual projects. A special emphasis will be given to historical writing through essay and document-based questions (DBQ).</p> <p>World History or AP World History is required for 10th grade students.</p> <p>Text: <i>Traditions and Encounters</i></p> <p>Prerequisite: B or better in Social Science and English courses is recommended. Strong reading and writing skills are required.</p>
United States History	1.0	<p>This course is a broad study of United States History. Students will devote much of the first semester to a study of the first one hundred years of U.S. history including the deep divisions surrounding the momentous Civil War. The second semester will concentrate on important political, social, economic, and foreign policy issues in the 20th century. Throughout the year, we will focus heavily on historical research, analysis, and writing skills. The recurring theme of this class will be the role of government in society, and the rights and responsibilities of individuals.</p> <p>US History or AP US History is required for 11th grade students.</p>
AP United States History Grades 11-12	1.0	<p>The Advanced Placement program in United States History is designed to provide students with the factual knowledge and analytical skills necessary to deal critically with the problems in U.S. History. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. This course develops skills necessary to arrive at conclusions on the basis of an informed judgment and to present ideas clearly and persuasively.</p> <p>US History or AP US History is required for 11th grade students.</p> <p>Text: <i>American Pageant 14th edition</i> <i>Amsco United States History Preparing for the Advanced Placement Examination 2015 edition</i></p> <p>Prerequisite: B or better in current social studies class is recommended.</p>

Social Studies (Cont.)

Course Title	Credits	Course Description
Economics Grades 10-12	.5	<p>This semester elective course focuses on the principles of economic thought and theory. Students will learn the economic way of thinking, the nature of markets by examining supply and demand, the different market structures, and how to measure economic performance. The understanding of economics is a valuable tool for any responsible adult and students enrolled will benefit from the economic way of thinking.</p> <p>Text: <i>Economics: Principles</i></p>
AP Economics (Micro/Macro) Grades 11-12	1.0	<p>The purpose of this course is to give students a thorough understanding of both Microeconomic and Macroeconomic principles and theories. This course is designed to give students a strong background in the basics of economics along with the ability to excel on the AP Microeconomics and Macroeconomics exams. Microeconomics topics will include the nature of supply and demand, insight into making production decisions, and examining the structures of different markets. Macroeconomics topics will include economic systems, national incomes and price levels, measuring and interpreting economic growth, international markets, the financial sector, and the affect of government policies on the economy.</p> <p>Text: <i>Economics for AP Paul Krugman</i> Prerequisite: B or better in current Social Studies and Math class is recommended.</p>
Psychology Grades 10-12	.5	<p>Students will study human behavior and mental processes through the approaches of various and divergent schools of psychological thought. Topics of investigation will include areas such as human development, learning, personality, and psychological disorders.</p> <p>This course is open for grades 10 (with current Social Studies teacher approval), 11, 12.</p>

Social Studies

Course Title	Credits	Course Description
AP Psychology	1.0	<p>The goal of AP Psychology is to increase students' understanding of psychology: the scientific study of behavior and mental processes. In this course, students will explore the theories and principles of the major approaches of psychology with the objective that each student successfully completes the Advanced Placement Examination at the end of the year. To achieve this, this course is taught at the college level and student's independent and collaborative learning practices should reflect this. The expanded knowledge of psychology gained in this class should enhance each student's perceptions of the world around them, and provide insights into one's own and others' behaviors as they explore the complexity of human behavior and thinking.</p> <p>Text: <i>Myer Psychology for AP</i> Prerequisite: Recommendation from current social science teacher and B or better in Biology is recommended</p>
Philosophy	.5	<p>This is a one-semester elective course focusing on the role played by philosophy in the life of individuals and societies. It will provide an introduction to many important philosophers and their contributions to the intellectual development of humankind. This course shall also provide intellectual tools to analyze major issues confronting contemporary society. The chief objective of the philosophy course will be to engage students in the activity of doing philosophy. In keeping with this description as an activity rather than a subject matter, the class will encourage critical inquiry, debate, and reflection upon the discipline's fundamental questions. A further important objective will be to sharpen students' critical thinking and ability both to orally analyze and write arguments with clarity and precision. Finally, the course will encourage shared inquiry through good will, careful listening and thoughtful conversation. This will include several Sunday night on-line discussions.</p> <p>Open to Juniors and Seniors</p> <p>Text: <i>Ultimate Questions</i></p>

World Languages

Course Title	Credits	Course Description
Chinese I	1.0	<p>The primary goal of this course is to help students develop their linguistic proficiency in the four areas of speaking, listening, reading, and writing. Students should also establish a foundation for their knowledge of Chinese culture, history, and customs. Students will participate in conversations on relevant topics with Chinese speakers.</p> <p>Text: <i>Integrated Chinese Level I – Part I</i></p>
Chinese II	1.0	<p>The primary goals of this course are to help students further develop their linguistic proficiency in the four areas of speaking, listening, reading, and writing, and to expand their knowledge of Chinese culture and history. Topics of study include: weather, dining, directions, birthday party, visiting doctors, sports and travel. By the end of this course, students should be able to communicate with Chinese language speakers through oral and written communication skills.</p> <p>Text: <i>Integrated Chinese Level I – Part II</i> Prerequisite: Chinese I with at least "C-" or with a teacher recommendation</p>
Chinese III	1.0	<p>This course continues the study of the Chinese language, and the culture of the Chinese people. The goal of the course is to polish each student's grasp of Chinese vocabulary, grammar and its usage. Topics include: campus life, eating in Chinese restaurants, shopping, relationships, internet, part-time job, education and geographic features of China. Students should be able to use Chinese language to effectively communicate in appropriate settings.</p> <p>Text: <i>Integrated Chinese Level II – Part I</i> Prerequisite: Chinese II with at least "C-" or with a teacher recommendation</p>

World Languages (cont.)

Course Title	Credits	Course Description
Chinese IV	1.0	<p>Chinese IV continues the study of the Chinese language and culture. The goal of this course is to strengthen each student's grasp of Chinese vocabulary, grammar, and usage. Students will be able to effectively communicate in specific environments. Topics include: festivals, changes in China, travel, life and wellness, gender equality, environmental protection, and plans for the future. This course should prepare students for success in the AP Chinese course.</p> <p>Text: <i>Integrated Chinese Level II – Part II</i> Prerequisites: Chinese III with at least "C-" or with a teacher recommendation</p>
AP Chinese	1.0	<p>The AP Chinese Language and Cultural course aims to provide qualified students with opportunities to further explore Chinese culture and improve communicative skills (interpersonal mode, interpretive mode, and presentational mode). In doing so, students will develop language proficiency in listening, speaking, reading, and writing. The primary textbook is <i>JiaYou – Chinese for the Global Community</i>. There are various supplementary materials and authentic materials provided in addition to the primary tests. Topics include: Chinese behavioral culture, fashion trends, leisure activities, current issues, and Chinese history. Advanced grammar and vocabulary are used to achieve the goal of communicating accurately and appropriately. The course is conducted exclusively in Chinese and requires commitment and continuous effort.</p> <p>Text: <i>JiaYou – Chinese for the Global Community</i> Prerequisite: Chinese IV with at least "B-" or with a teacher recommendation</p>
French I	1.0	<p>This course is designed for students with very little or no knowledge of the French language. It deals with concepts such as numbers, food, family and life at school. By the end of the course, students will be able to write short passages using basic French sentence structure and be able to ask and answer common questions.</p> <p>Text: <i>Vista Higher Learning: D'accord – Level I</i></p>

World Languages (cont.)

Course Title	Credits	Course Description
French II	1.0	<p>The goals of this course are to develop a deeper understanding of the French language and the cultures of the French-speaking world. Increased proficiency in listening, reading, writing, and speaking will be the primary focus. At the end of this course, students will be able to communicate about a variety of practical situations.</p> <p>Text: <i>Vista Higher Learning: D'accord – Level II</i> Prerequisite: At least "C-" or with a teacher recommendation</p>
French III	1.0	<p>Increased proficiency in reading, writing, listening, and speaking will continue to be the primary focus in French III. Students will continue to express themselves about past, present, and future events through French literature, short stories, etc.</p> <p>Text: <i>Vista Higher Learning: D'accord – Level III</i> Prerequisite: At least "C-" or with a teacher recommendation</p>
French IV	1.0	<p>French IV is an advanced course where students are expected to contribute to class discussions about works of literature, current events, and cultural comparisons.</p> <p>Text: <i>Vista Higher Learning: D'accord – Level III</i> Prerequisite: At least "C-" or with a teacher recommendation</p>
AP French	1.0	<p>AP French is a rigorous course equivalent to a university level language course. Students read and listen to a variety of authentic materials including French literature, newspapers, magazines, radio and television broadcasts.</p> <p>Text: Barron's: <i>AP French Language and Culture</i> Prerequisite: At least "B-" or with a teacher recommendation</p>

World Languages (cont.)

Course Title	Credits	Course Description
Spanish I	1.0	<p>The first year Spanish program is designed to introduce students to linguistic and cultural structures necessary for basic communication in Spanish. Students will develop their linguistic proficiency in the areas of speaking, listening, reading, and writing. By the end of the year, students will be able to write short passages related to familiar topics and ask and answer basic questions related to themselves and others as well as cultural topics.</p> <p>Text: <i>Avancemos I</i></p>
Spanish II	1.0	<p>This course is designed for students who have successfully completed Spanish I. Students will continue building fluency in reading, writing, speaking and listening. By the end of the year, students will be able to understand and interpret written and spoken language on a variety of topics, speak and write in the present and past tenses about topics familiar to them, and demonstrate an understanding of Spanish speaking cultures.</p> <p>Text: <i>Avancemos II</i> Prerequisite: At least "C-" or with a teacher recommendation</p>
Spanish III	1.0	<p>This course is designed for students who have successfully completed Spanish II. Students will continue building fluency in reading, writing, speaking and listening. By the end of the year, students will be able to understand and interpret written and spoken language on a variety of topics, speak and write in the remaining simple tenses and express opinions with the subjunctive about a variety of topics related to themselves and society. They will further explore news, music, literature and Spanish speaking cultures.</p> <p>Text: <i>Avancemos III</i> Prerequisite: At least "C-" or with a teacher recommendation</p>

World Languages (cont.)

Course Title	Credits	Course Description
Spanish IV	1.0	<p>Spanish IV is an advanced course in Spanish language and culture conducted entirely in Spanish. While this course includes a review of grammar from previous levels, and an expansion on vocabulary themes studied in Spanish I, Spanish II, and Spanish III, the emphasis is on developing strong skills in the three modes of communication: presentational, interpersonal and interpretive. Students will continue to enhance proficiency in the comprehension of spoken and written Spanish, and will further develop their fluency and proficiency in writing and speaking about current topics of the Spanish-speaking world, including making comparisons to their own communities.</p> <p>Text: Vista Higher Learning: “Temas” Prerequisite: Spanish III with at least "C-" or with a teacher recommendation</p>
AP Spanish Language & Culture	1.0	<p>This course is the equivalent of a third-year university course in composition and conversation, taught entirely in Spanish. The objective of this course is to prepare students for the AP Spanish Language and Culture exam, by continuing to develop their proficiency in the three modes of communication: Interpretive, Interpersonal, and Presentational. Students will read and listen to a variety of authentic materials in Spanish from all over the Spanish-speaking world. Additionally, they will engage in written and oral analysis and discussion on a wide variety of cultural topics of the Spanish-speaking world, making comparisons to their own communities. Assessments will be geared to the expectations of the AP Spanish Language and Culture Exam.</p> <p>Text: Pearson Publisher: “<i>AP Spanish, Preparing for the Language and Culture Examination</i>” by José Díaz Prerequisite: Spanish IV with at least "B-" or with a teacher recommendation</p>
AP Spanish Literature	1.0	<p>AP Spanish Literature is essentially an independent study course in the literature of the Hispanic World, from the Medieval and Golden Age through modern prose and poetry. Students will meet concurrently with the Spanish AP Language class. They will work independently to read and analyze texts and will meet weekly with the instructor to discuss their progress. This course will require extensive reading and writing.</p> <p>Text: <i>Abriendo paso Lecturas, Momentos cumbres de las literaturas hispánicas: Introducción al análisis literario</i> Prerequisite: Completion of Spanish AP Language with B- or above</p>

World Languages (cont.)

Course Title	Credits	Course Description
Korean I	1.0	<p>During this introductory year, students begin to develop the skills necessary for communication in the target language. Starting from learning how to read and write in Korean alphabet, emphasis is placed on listening, speaking, reading and writing skills through the use of basic vocabulary and grammatical structures. During this first year of study, students will be able to engage in basic conversation and write basic compositions in the target language. Use of music, arts and crafts, film and storytelling help to engage and motivate students to communicate in the target language and begin to understand and appreciate cultural differences between Korea and other societies. Topics include but are not limited to basic conversation, family life, life in school, daily activities, days, months, numbers and time.</p> <p>Text: Learning Korean through English/IKEN online curriculum</p>
Korean II	1.0	<p>Korean II course is designed to provide activities, projects, and experiences that enable students to appreciate and value the host nation's (or target language) culture. Students are also made aware of the value of foreign language study. Korean II course expands upon the basic language structures taught in HS Korean I. Students continue to develop proficiency in listening, speaking, reading and writing in Korean and learn to communicate in culturally appropriate ways. Vocabulary skills and grammatical structures are enhanced. Cultural awareness is also reinforced ensuring students become more proficient in communication skills. Students will get familiarised with short stories, essays, magazines, simple readers, newspapers, filmstrips, films, videos and computer programs that are representative of the target language and culture. The content of the Korean II course includes teaching students to follow specific directions given in the target language, and to understand main ideas after listening to presentations on familiar topics. Students learn to speak in the target language using basic sentence patterns correctly, read a variety of materials in the target language, and demonstrate writing skills in the target language.</p> <p>Text : Learning Korean through English/IKEN online curriculum Prerequisite : Korean I with at least "C-" or with a teacher recommendation</p>

World Languages

Course Title	Credits	Course Description
Korean III	1.0	<p>This course is designed for students who have successfully completed Korean II and want to further enhance their Korean proficiency in reading, writing, listening and speaking. Students will learn to communicate in a culturally appropriate manner while utilizing more complex grammar structures and advanced vocabulary. The main text for this course is not only the IKEN online Korean curriculum but also various authentic resources to prepare students for real life situations by providing enough exposure to real world context.</p> <p>Text: IKEN Online Korean Curriculum Prerequisite: Korean II with at least C- or with a teacher recommendation</p>

Visual and Performing Arts

Course Title	Credits	Course Description
Theatre I : Introduction to Theatre (Fall Semester)	.5	<p>Theatre I: Introduction to Theatre</p> <p>This course is an introductory course designed for the beginning theatre student. In this course, students will examine and explore their own, unique physical abilities, with the goal of using them as dynamic, creative and expressive tools. Classrooms activities will focus on elements of physical theatre: pantomime, improvisation, movement and the fundamentals of acting through character development and scene performance. Daily participation in activities with collaborative learning groups and ensemble devising, will encourage students to explore their own creative potential. This course develops the student's confidence in group dynamics, self awareness, and problem-solving skills. Students will be given the ability to connect the literature being studied to a variety of cultures, history, and other content areas contributing to their 21st-century skills that will help in their success after high school graduation.</p> <p>Prerequisite: None</p>
Theatre II: Intermediate Theatre (Spring Semester)	.5	<p>Intermediate Theatre is a continuing course from Introduction to Theatre and designed for students with some theatre experience. This course promotes enjoyment and appreciation for all aspects of theatre through opportunities to build significantly on existing skills. Class work focuses on characterization, scene writing, and a variety of theatrical styles. Students will continue to practice the technique of improvisation, creative dramatics, and scene work to challenge and strengthen their acting skills and explore the technical aspect of theatre. Intermediate Theatre provides opportunities for students to strengthen skills in critical listening and thinking, as well as stage presence, ensemble work, and aesthetic response. Students will gain a deeper understanding of theatrical performance by exploring the personal, cultural and global impact of the theatre arts.</p> <p>Prerequisite: Introduction to Theatre or by audition.</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
Stage craft	.5	<p>This course will provide the student with the opportunity to experience, understand, analyze and create all aspects of technical theatre production. Particular emphasis will be placed on developing skills needed by crew members in play production. This class will take students from script analysis, through research, conceptualization, planning, and technical production techniques. Areas specifically covered will include scenic design and construction, stage lighting, sound design, and property building. Students will be introduced to stage make-up, costuming and public relations.</p> <p>Prerequisite: None</p>
Advanced Theatre I/II/III	1.0	<p>This year-long course is designed for students with significant experience in theatre. Advanced Theatre promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. This course is designed to give the theatre student a robust knowledge of all aspects of theatre. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. These students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. As they work, students will apply 21st-century skills that will help them be successful after high school graduation, including time management, self-assessment, problem solving, collaboration, and critical analysis.</p> <p>Prerequisite: Intermediate Theatre, MS Drama 3 or by audition.</p>
Digital Photography Survey	.5	<p>This course is designed for students with an artistic interest in electronic image making and digital photography. Students will be introduced to the DSLR Camera. Students will learn how to take quality photographs using the manual settings of the camera. We will focus on the Elements of Art and Principles of Design to plan and execute effective and unique compositions. Photography as fine art is the focus of the course. Students will learn the vocabulary of photography as art to use in critiques and self-evaluations. Students will use blogs to plan, present, and reflect on their work throughout the course. A research project investigating a photographer will be the semester exam.</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
Advanced Digital Photography	.5	<p>This class requires students to further explore Photography as art. Emphasis will be placed on enhancing creativity through problem-solving and creation of “photo shoots.” Students will concentrate on art production with a goal of completing an electronic portfolio. Students will work to complete projects with compositions based upon the elements of art and principles of design. Students will also develop “serial works.” Art critiques will also be a focus of this class. More advanced topics will be explored, such as artificial lighting, shutter speed manipulations, minimalism and abstraction. A final artist research project will culminate the course.</p> <p>Prerequisite: Digital Photography Survey</p>
2D Studio Art I	.5	<p>2D Studio Art I is an introductory course designed for students to learn about art and the creative process. We will learn to use the Elements of Art and Principles of Design, learn about art history, create original pieces, and critique our work. 2D Studio work includes a variety of media, including drawing (pencil, charcoal, pen, marker, pastel), painting (acrylic, watercolor), and collage. Sketchbooks will be used for planning, research, and skill development exercises. This course focuses on building foundational art skills as well as finding a sense of artistic voice.</p> <p>Prerequisite: None</p>
3D Studio Art I	.5	<p>This course introduces basic skills in the techniques and tools of the 3D media of clay, found objects, paper mache, and paper sculpture. Art history, criticism, and aesthetics will be included as viewpoints in studying and discussing art. Emphasis will be placed upon proper use of techniques and methods. Students also are introduced to basic techniques on the potter’s wheel. This course will also introduce students to the design process as a communication tool to develop visual perception and imagination skills. An emphasis is placed on an understanding of and use of the Elements and Principles of 3D Design. Personal research will be introduced and recorded in student sketchbooks.</p> <p>Prerequisite: None</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
2D Studio Art II	.5	<p>2D Studio Art II is a semester-long intermediate course designed for students who have previously taken 2D Studio 1. We will focus further on the Elements of Art and Principles of Design, learn about art history, create original pieces, and critique our work. 2D Studio work includes a variety of media, including drawing (pencil, charcoal, pen, marker, pastel), painting (ink, acrylic, watercolor, oil), printmaking, and collage. Sketchbooks will be used for planning, research, and skill development exercises. This course focuses on furthering foundational art skills in a wide variety of media as well as developing artistic voice.</p> <p>Prerequisite: 2D Studio Art I</p>
3D Studio Art II	.5	<p>This course introduces higher level techniques and skills for producing quality 3D works using materials such as clay, found objects, paper mache, and paper sculpture, among others. Emphasis will be placed on enhancing creativity through problem-solving and proper demonstration of procedures and methods of creating art. Students will be introduced to intermediate level techniques on the potter's wheel. Student sketchbooks will be developed in depth to show a critical examination of meaning in visual images and an understanding of the Elements and Principles of 3D Design.</p> <p>Prerequisite: 3D Studio Art I</p>
2D Studio Art III	1.0	<p>2D Studio Art III is an advanced course designed for students who have previously taken 2D Studio 1 and 2. Emphasis will be placed on enhancing creativity through problem-solving and proper demonstration of procedures and methods of creating art. We will focus further on the Principles of Design, learn about art history, create original pieces, and critique our work. 2D Studio work includes a variety of media, including drawing (pencil, charcoal, pen, marker, pastel), painting (ink, acrylic, watercolor, oil), printmaking, and collage. Weekly sketchbook assignments will be used for planning, research, skill development exercises, and fully rendered work. Art production will be emphasized with the development of a portfolio. Students will complete projects based upon observations of still-life, self portraits, interiors, and landscapes. Students will be expected to develop "serial works." Art criticism will be a major focus. Students will be able to identify design elements and stylistic qualities, process, and technique to understand evaluative strategies.</p> <p>Prerequisite: 2D Studio Art II</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
3D Studio Art III	1.0	<p>This course requires each student to use advanced level techniques and skills for producing quality 3D works with materials such as clay, found objects, paper mache, and paper sculpture, among others. Students are required to create conceptually advanced and well designed work using the Elements and Principles of 3D Design. Art criticism and critique are major components of the course. Projects will be both teacher driven and student driven as students work towards creating an individualized body of work, or portfolio. Serial works will also be completed.</p> <p>Prerequisites: 3D Studio Art II.</p>
AP Studio Art 2D Design & Drawing	1.0	<p>The AP Studio Art class is a rigorous college-level course designed for students who are seriously interested in the practical experience of art. Students will be accepted into AP based upon review of prior enrollments and recommendation by the art teachers. The goals of the AP Studio Art program are to encourage creative and systematic investigation of formal and conceptual issues. Emphasis will be placed upon having each student make art an ongoing process that involves the student with informed and critical decision-making. Students will develop technical skills and become independent thinkers who contribute to their culture through the making of art. Giving back to the community through artmaking skills will also be a focus.</p> <p>AP Studio Art does not have a written exam, instead students are expected to create a strong 24 piece 2D Design or Drawing portfolio to submit to the College Board in early May. The College Board has established a national standard in performance of the visual arts. Completing the AP portfolio may result in Advanced Placement credit at the institution the student chooses to attend after High School, but does not guarantee it. It will, however, help the student to have a strong portfolio to submit for admissions and scholarship opportunities.</p> <p>Prerequisite: 2D Studio Art III completed with an A grade, instructor approval</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
AP 3D Design Studio Art	1.0	<p>The AP Studio Art class is a rigorous college-level course designed for students who are seriously interested in the practical experience of art. Students will be accepted into AP based upon review of prior enrollments and recommendation by the art teachers. The goals of the AP Studio Art program are to encourage creative and systematic investigation of formal and conceptual issues. Emphasis will be placed upon having each student make art an ongoing process that involves the student with informed and critical decision-making. Students will develop technical skills and become independent thinkers who contribute to their culture through the making of art. Students will submit portfolios for evaluation near the end of the school year. The College Board has established a national standard in performance of the visual arts. When the portfolio is finalized and submitted, three sections that will be evaluated are Quality, Concentration, and Breadth.</p> <p>Prerequisites: 3D Studio Art III with an “A” and teacher approval through portfolio review.</p>
Concert Choir Grades 9-12	1.0	<p>Concert Choir is open to all students in grades 9-12, who are interested in vocal music. Students in this performance-based class will prepare a wide variety of repertoire to be presented at concerts throughout the year. Attendance at all performances is mandatory. The music studied will be drawn from different historical time periods and represent a variety of languages and cultures. Through their preparation of choral music for performance, students will learn the basics of vocal technique, sight-reading, and choral musicianship.</p> <p>Text: Music books will be issued at the beginning of the year Prerequisite: None</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
Phoenix Chamber Singers Grades 9-12	1.0	<p>Phoenix Chamber Singers is the most advanced choir at KIS. Admission to this ensemble is through audition only. Students in this performance-based class will prepare a wide variety of repertoire, both accompanied and <i>a capella</i>, to be presented at concerts throughout the year. Attendance at all performances is mandatory. Through their preparation of choral music for performance, students will continue the study of vocal technique, sight-reading, and choral musicianship. Auditions consist of a prepared melody and a few short tests in vocal production, ear-training, and sight-reading. Please see the instructor for more details or to set up an audition time.</p> <p>*Placement based on auditions</p> <p>Text: Music books will be issued at the beginning of the year Prerequisite: Audition with instructor</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
<p>Concert Orchestra Grades 9-12</p>	<p>1.0</p>	<p>Concert Orchestra is offered to all HS students(9-12) who would like to continue studying their string instrument and playing a string ensemble with their peers. Upon the instructor's recommendation, students are asked to take the proficiency test on their first string instrument in order to start learning their second string instrument. Concert Orchestra is to develop competent high school orchestral musicians including right hand skills (bowing lane and strokes), left hand skills (shifting, vibrato, and upper positions), ear training skills (tuning and recognizing-playing back-notating, designated chord progressions, and improvisation), musical independence (showing practice habits, analyzing unfamiliar music, and playing independent parts in ensemble), musical sensitivity (appropriate tempi, phrasing, articulation, and proper blend/balance in ensemble performance), musical literacy (music reading, printed bowings/fingerings, symbols, terms, and sight-reading), correct habits and attitudes about learning and citizenship (self discipline, group discipline, positive attitude about music playing and performance, awareness of the sacredness of an obligation, positive self-esteem, positive attitude about incentive based competition, a commitment to excellence, awareness of the value of being a supportive person, and ability to cope with stressful performance), ensemble skills (leading, rhythmic responsibility, intonation, uniformity of sound, and stylistic awareness), musical imagination (musically mirror analogies described by instructor), understanding the bowing rules, finger logic (notes between 1st and 5th position and across the string relationships), understanding of the shifting rules, the orchestral skills (how to follow a conductor and how to function efficiently in a rehearsal), the artistic skills (recognizing the mood of a piece of music and recognizing a mood change in a piece of music), and awareness of music theory. Students are expected to be able to generalize previously learned concepts and skills and synthesize all these into a musically proficient performance. Participation in all dress rehearsals and concerts is required. Students need to take private lessons and practice their instruments regularly.</p> <p>Prerequisite: Previous playing experience required</p>

Visual and Performing Arts (cont.)

Course Title	Credits	Course Description
Phoenix Orchestra Grades 9-12	1.0	<p>Phoenix Orchestra is the elite string orchestra at KIS. Admission to this string orchestra is by audition only. Upon their auditions and the instructor's recommendation, students are suggested to start learning their second string instrument. Phoenix Orchestra is to develop competent high school orchestral musicians including right hand skills (bowing styles, chords, and expressive control of the bow), left hand skills (double stops, arpeggios, shifting, and vibrato), ear training skills (tuning, recognizing-playing back-notating, designated chord progressions, and improvisation), musical independence (showing independent and thoughtful practice habits, analyzing unfamiliar music, playing solo/ensemble literature, and playing independent parts in ensemble), musical sensitivity (phrasing, articulation, and proper blend/balance in ensemble performance), musical literacy (printed bowings/fingerings, symbols, terms, and sight-reading), correct habits and attitudes about learning and citizenship (self discipline, group discipline, positive attitude about music playing and performance, awareness of the sacredness of an obligation, positive self-esteem, positive attitude about incentive based competition, a commitment to excellence, awareness of the value of being a supportive person, and ability to cope with stressful performance), ensemble (or chamber music) skills (musical line passing, knowledge of score, and stylistic awareness), musical imagination (combining technics with imagination to express emotional content of literature), understanding the bowing rules, finger logic, understanding of the shifting rules, orchestral skills (how to communicate in music making, how to maximize the musicianship in an orchestra, and how to function efficiently in a rehearsal), artistic skills (recognizing the mood or major setting of a piece of music, recognizing a mood change in a piece of music, and generating whatever the music demands), and awareness of music history/theory. Students are expected to be able to generalize previously learned concepts and skills and synthesize all these into a musically proficient performance. Participation in all dress rehearsals and concerts is required. Students need to take private lessons and practice their instruments regularly.</p> <p>Prerequisite: Placement based on auditions</p>

Visual and Performing Arts (cont.)

Course title	Credits	Course Description
Concert Band Grades 9-12	1.0	<p>Concert band is an auditioned ensemble that represents the next step for band students moving up from middle school and it serves as a training ensemble for students hoping to one day join the Phoenix Wind Ensemble. Through the study of increasingly advanced repertoire, students will continue to develop as musicians in all aspects. Students are required to provide their own instruments (with the exception of students studying French horn, euphonium and tuba) and must purchase the designated method book for each instrument.</p> <p>Prerequisite: Placement based on auditions</p>
Phoenix Wind Ensemble Grades 9-12	1.0	<p>The Wind Ensemble is the elite wind group at KIS. Admission to this ensemble is by audition only. Students will continue their musical studies with development in all aspects of musicianship including technique, tone, sight-reading and artistry. The repertoire studied by this ensemble will be technically advanced and highly challenging. Students are required to provide their own instruments (with the exception of students studying French horn, euphonium and tuba) and they must purchase the designated supplementary study materials for their instrument. Percussion students must provide a fully-stocked stick bag as well as own a student percussion set for at-home practice.</p> <p>Prerequisite: Placement based on auditions</p>
Concert Percussion Grades 9-12	1.0	<p>Concert Percussion represents the next step for percussion students moving up from middle school. Concert Percussion is offered to HS students (9-12) with previous experience in the study of percussion instruments. HS percussion will perform with the concert band as well as percussion ensemble performances. Participation in concert performances is required. Students are required to provide their own sticks and mallets.</p> <p>Prerequisite: Previous experience and permission from the percussion class teacher is required for enrollment.</p>

Visual and Performing Arts

Course title	Credits	Course Description
<p>AP Music Theory Grades 11-12</p>	<p>1.0</p>	<p>The AP Music Theory course enables highly motivated 11th and 12th grade students to engage in college level work in all areas of music. This will include reading and analyzing notated music and advanced aural (ear) training. Particular emphasis will be placed upon developing listening skills, sight-singing ability, and knowledge of rhythm, melody, harmony, and other compositional devices. The successful student will be endowed with the skills necessary to function intelligently in any musical situation. The work of the course will emphasize preparation for the advanced placement music theory examination. <i>Students wishing to enroll in AP Music Theory must also be enrolled in one of the 7 curricular ensembles offered at KIS (Concert Choir, Concert Band, Concert Orchestra, Phoenix Chamber Singers, Phoenix Wind Ensemble or Phoenix Orchestra) As with all AP courses at KIS, students enrolled in AP Music Theory will be required to take the AP Music Theory exam held in the spring.</i></p> <p>Prerequisite: Open to students in grade 11-12 with concurrent enrollment in another music ensemble</p>

Computer/Technology

Course Title	Credits	Course Description
Computer Graphic Applications 1: Introduction to Digital Imaging for Print and the Web	.5	<p>In this course, students will utilize computer graphic applications to create original images and designs for print and the web. Students will gain hands-on experience with industry-standard photo imaging (Photoshop), vector graphics editing (Illustrator), and, time permitting, desktop publishing (InDesign) software applications as they learn the tools and techniques employed by designers to create sophisticated digital imagery. Additionally, students will learn basic design principles of layout and composition, as well as process documentation, content development, and project management skills.</p> <p>Prerequisites: None</p>
Computer Graphic Applications 2: Introduction to Digital Video Production and 3D Animation	.5	<p>In this course, students will utilize computer graphic applications to create original digital video productions and animated motion graphics. In the first half of the course, students will gain hands-on experience as they are introduced to industry-standard digital video production software (e.g. Premiere, After Effects). The second half of the course will introduce students to 3D animation concepts and techniques as they explore 3D rendering software (e.g. Autodesk Maya). Process documentation, content development, and project management skills will be emphasized, in addition to the learning of tools and techniques.</p> <p>Prerequisite: Computer Graphic Applications 1 (or instructor permission)</p>
Advanced Computer Graphic Applications	.5	<p>This course provides an opportunity for students who have completed CGA 1 or 2 to pursue a personalized course of study in one or more of the applications covered in the introductory courses. Students will work closely with the instructor to develop personalized and authentic projects that require research, collaboration, and independent learning to complete. Additionally, students will work with clients in the school community to develop and create authentic commissioned work.</p> <p>Prerequisite: Computer Graphic Applications 1 or 2 and instructor permission</p>

Computer/Technology (cont.)

Course Title	Credits	Course Description
Computer-Aided Design and Innovation	.5	<p>In this course, students will learn to implement the design thinking process in order to develop and implement solutions to authentic problems. Along the way, students will be introduced to 2D and 3D computer aided design software (e.g SketchUp, AutoCad) that will allow them to create virtual prototypes and renderings before manufacturing physical products. This course is especially relevant for students interested in the fields of industrial or product design, engineering, or architecture.</p> <p>Prerequisite: None</p>
Advanced Computer-Aided Design and Innovation	.5	<p>This course provides an opportunity for students who have completed Introduction to Computer-Aided Design and Innovation to pursue a personalized course of study. Students will work closely with the instructor to develop authentic projects that require research, collaboration, and independent learning to complete.</p> <p>Prerequisite: Introduction to Computer-Aided Design and Innovation</p>
Introduction to Applied Engineering and Robotics	.5	<p>Gain new skills in programming and electronics engineering. Learn how to use electronics platforms/single-board computers along with the Python programming language and a selection of basic electronic components including resistors, capacitors, diodes, transistors, and integrated circuits. Using these skills you will tweak, hack, and bend any technology to your own will, creating robots and other exciting electronics-based projects.</p>
Advanced Applied Engineering and Robotics	.5	<p>This hands-on course provides an opportunity for students who have completed Introduction to Applied Engineering and Robotics to continue their exploration in the field. Students will further develop their understanding of electronics-based technologies and hone their programming skills as they utilize the design thinking process to solve real-world problems.</p> <p>Prerequisite: Introduction to Applied Engineering and Robotics</p>

Computer/Technology

Course Title	Credits	Course Description
Introduction to Programming: Processing	.5	Learn how to program in Processing, a powerful programming language based on Java, used to create interactive graphics. Topics include abstraction, algorithms, data structures, recursion, iteration, debugging, and GUI programming. You will use the concepts that you learn to create different projects throughout the course, such as games, Android apps, and amazing computer graphic art.
Intermediate Programming: App Development with Objective-Oriented Programming	.5	This course will teach you how to make apps for phones and tablet devices using object-oriented programming (think C++, Objective-C or Java). It will begin with a quick overview of basic programming constructs in the new language and datatypes, as well as data structures such as arrays and strings. Once the basics have been covered you will go on to look at the advanced OOP topics including classes, inheritance, encapsulation, and polymorphism. You will use the skills taught throughout the course to create exciting computer applications. Prerequisite: Introduction to Programming (or instructor permission)
AP Computer Science Principles	1.0	Innovate and create with technology! This new AP offering is designed for students who want to change the world but may be intimidated by the technological skills needed to do so. Students will develop their creativity and build confidence as they explore the impact computing and technology can have on the world, and as they delve into projects of personal interest. This course emphasizes the 21st century skills (creativity, communication, collaboration, research and analysis, and global cultural awareness) that are essential for success in college and beyond.

Physical Education

Course Title	Credits	Course Description
Essentials of Physical Education	1.0	Essentials of Physical Education is the entry level High School PE course which is a yearlong mandatory course for all students. Students learn about muscular and skeletal body systems and specific fitness principles. Students will participate in a range of team and individual sports as well as personal fitness and work towards goal setting and self improvement. Students will participate in various sports from the main categories of territory/invasion and net/wall games. They will develop and expand on successful strategies that work across all sports within each category. During health, students will understand responsible decision making, the effects of peer pressure and what it means to have a balanced life. Additionally, students will evaluate and record their fitness scores as part of the KIS Fitness Program.
Advanced PE 1 (Semester 1)	.5	Advanced PE will serve as the first semester prerequisite for the second year of physical education to meet graduation requirements. Instruction is directed toward refinement of skills and techniques previously learned in Essentials of PE coupled with an introduction of advanced skills and techniques, concepts and strategies. These sports/activities have been chosen to encourage students to participate in physical activity for life and to promote good health and wellness. The students will also learn basic CPR/AED and First Aid training. Additionally, students will evaluate and record their fitness scores as part of the KIS Fitness Program.
Advanced PE 2 (Semester 2) Recreational Sports	.5	<p>Recreational Sports is a semester-long in second semester only offered to students as part 2 of Advanced PE I. This course will give students the chance to explore a variety of new sports on a recreational basis. Students will take on leadership roles to develop games or events which promote active living in their community. The contents of this course will focus on the development of transferable skills for success in a wider variety of sporting activities. Students will also explore ways to prevent and treat injuries that may occur while participating in outdoor activities through a Wilderness First Aid unit. This course is mainly for students who are interested in developing healthy active lifestyles. Additionally, students will evaluate and record their fitness scores as part of the KIS Fitness Program.</p> <p>Prerequisite: Successful completion of Essentials of Physical Education and Advanced PE 1</p>

Physical Education

Course Title	Credits	Course Description
Advanced PE 2 (Semester 2) Competitive Team Sports	.5	<p>Competitive team sports is a semester-long course in second semester designed for students who enjoy high energy activities and exercise while working with others in a team setting. This class will place an emphasis on several different team sports which may included, but not limited to basketball, volleyball, soccer, ultimate Frisbee, softball, flag football, and team handball. Students will be presented with skills and training methods for self improvement while also practicing strategies for successful team play. Students will investigate the topic of psychology in sports and learn how to treat some basic sports related injuries. Additionally, students will evaluate and record their fitness scores as part of the KIS Fitness Program.</p> <p>Prerequisite: Successful completion of Essentials of Physical Education and Advanced PE 1</p>

AP Capstone

Course Title	Credits	Course Description
AP Seminar Grades 10-11	1.0	<p>AP Seminar is a foundational course for all other AP courses that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances.</p> <p>Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Student choice and student autonomy are essential to the course.</p> <p>Prerequisite: Interview with instructor in January/February. The student must have strong collaborative skills, developed analytical skills, and an awareness of current events and global issues. The student also needs to have the ability to self-direct and work autonomously. Lastly, teacher recommendations from multiple disciplines will be required.</p>
AP Research Grade 12	1.0	<p>AP Research, the second course in the AP Capstone experience, allows student to deeply explore an academic topic, problem, issue or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of approximately 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.</p> <p>Prerequisite: AP Seminar</p>

KIS Study

Course Title	Credits	Course Description
KIS Study A (semester 1) and/or B (semester 2)	0	<p>KIS Study is a semester-long class that may be taken one or both semester open only to 12th grade students. It is a chance for students to complete schoolwork, Schoolwork includes but is not limited to working on any assignment for KIS courses and clubs as well as anything relating to the college application process. Also, students may use this period as a ‘contact time’ with counselors or with teachers who have a planning period concurrent with the student’s AP Study block. <u>KIS Study is not free time</u>; students must use their time for educational purposes only. KIS Study will not be factored into a student’s GPA nor will it appear on their transcripts. Students may be enrolled in no more than one KIS Study class each semester.</p>