Revision IP 11.4.25

Kell
High School

Course Catalog
(For current High School Students)

Kell High School
4770 Lee Waters Road
Marietta, GA, 30066
(678) 494-7844

Administration

Dr. Peter Giles ……Principal
Amy Sanders ……Assistant Principal / Curriculum & Scheduler
Oneisha Young ……..……. Assistant Principal / Athletic Director
Charrod Taylor ……Assistant Principal / LASSO & AP Testing Coordinator
Landon Odom ……...…. Assistant Principal / Testing Coordinator & Communications
Jeff Burch ……. Assistant Principal/ Assessment Accountability & Events
Glenda Canada …… Student Support Administrator

School Counseling Office

Delbert Green, Counselor ..... Students Last Name A-D
Holly Von Lanken, Counselor ..... Department Chair, Students Last Name E-K
Taran Smith, Counselor ..... Students Last Name L-Re
Wendy Bucaj, Counselor .....Students Last Name Ri-Z
Crystelle Westhoff, Counseling Clerk
Alicia Smith, Registrar
Ashely Jackson, Psychologist
Cheeritza St Germain, Social Worker

Department Chairs

English ..... Lauren Forbes
Mathematics.....Rachel Buhler
Science .....Danielle LeBrun
Social Studies..... Matt White
World Languages .....Ashley McIntosh
Fine Arts ..... Gary Hicks
Career Tech.....Katherine Dow
Health/PE ..... Todd Harris
Special Education..... Michelle Hubbart
ESOL .....Rachel Walton

High School Graduation Requirements

The State Board of Education offers one common set of requirements for all students to earn a regular diploma. In order to receive a diploma, students must satisfy these requirements.

Subjects	Georgia High School Diploma
English	**4 Units Including:** 1 Unit Literature/Composition I 1 Unit Literature/Composition II 2 additional English units
Mathematics	**4 Units Including:** Algebra Geometry Advanced Algebra 1 additional math unit
Science	**4 Units Including:** 1 Unit Biology 1 Unit Chemistry or Earth Systems or Environmental Science 1 Unit Physics or Physical Science 1 additional science unit
Social Studies	**3 Units including:** 1 Unit World History 1 Unit United States History ½ Unit American Government/Civics ½ Unit Economics
CTAE Foreign Language Fine Arts	3 Units from any of these areas Though there is no foreign language requirement for the Georgia High School diploma, students planning to enroll in **ANY** post-secondary institution are strongly encouraged to earn two units of credit in the same modern language/Latin. **NOTE:** Students planning to enter or transfer into a University System of Georgia institution **MUST** take two units of the same modern language/Latin. **NOTE:** Some out-of-state universities require a fine arts credit (Univ. of S. Carolina & Univ. of Tenn.) while others require both a fine arts credit and a computer/technology credit (Ole Miss & Miss State). It is the student's responsibility to check college entrance requirements for the institution he or she plans to attend.
Health and Physical Education **NOTE:** Students who earn 3 units in JROTC will have met the health & personal fitness requirement.	**1 Unit Including:** ½ Unit Health ½ Unit Personal Fitness
Electives	4 Units
TOTAL UNITS MINIMUM	**23 Units**

*Completion of diploma requirements does not necessarily qualify students for the HOPE Scholarship Program.

Special Education

Students receiving services through the special education department have had an Individualized Education Plan (IEP) developed to meet their educational needs. Each student should complete his or her registration form with the help of his or her IEP team (parent, case manager, special education lead teacher, and regular education teacher) to ensure that requirements in the IEP are met.

ESOL/ELL

Students qualifying for ELL services may be supported in sheltered or push-in models as best determined by student performance data and guidance from the ESOL Department Lead.

English/Language Arts

Course Name/Description	Credit	Prerequisite
Literature & Composition II (Y) is the second course (required) in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition II focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline-specific practices.	1.0	1 unit of English credit (Literature/Composition I)
Honors Literature & Composition II (Y) Is an accelerated college prep course designed for the student who has a serious interest in ELA curriculum components.	1.0	1 unit of English credit (Literature/Composition I)
Literature & Composition III (Y) is the third course in the standard pathway of secondary English language arts courses. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and workplace ready. Literature & Composition III provides a platform for the wide interpretation, evaluation, construction, and design of texts across genres and modes, with an emphasis on the application of these skills in a variety of real-world, academic, and disciplinary contexts. T	1.0	2 units of English credit (Literature/Composition I & II)
Honors Literature & Composition III (Y) Is an accelerated college prep course designed for the student who has a serious interest in the ELA curriculum components.	1.0	2 units of English credit (Literature/Composition I & II)
AP English Language & Composition (Y) A college-level course that emphasizes critical thinking, reading, and writing through the study and discussion of expository, analytical, and	1.0	At least 2 units of English credit

argumentative essays. Stresses the connection between reading and writing mature prose. The students will develop an understanding of how historical context in American literature affect its structure, meaning, and rhetorical stance.		
AP English Literature & Composition (Y) This college-level course focuses on an intensive study of representative works from various literary genres and periods. The focus is on the complexity and thorough analysis of literary works. Students will explore the social and historical values that works reflect and embody.	1.0	At least 2 units of English credit
Literature & Composition IV (Y) is the fourth course in the standard pathway of secondary English language arts course. This course develops and refines the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready, with an emphasis on the interpretation, analysis, evaluation, and application of real-world texts and communications across a wide variety of modes, genres, and disciplines.	1.0	3 units of English credit (Literature/Composition I & II and a third ELA class)
Honors Literature & Composition IV (Y) Is an accelerated college prep course designed for the student who has a serious interest in the ELA curriculum studies.	1.0	3 units of English credit (Literature/Composition I & II and a third ELA class)
Honors Film, Television, and Theater I Embedded with Honors Theater Arts & Literature I Applies skills to culminate in creating and developing dramatic writing for theatrical media with special emphasis on film and television. Includes development of "writerly stance" by reading, viewing, and analyzing tests and visual media from a writer's point of view, with focus on understanding the construction process and including the application of conventions of standard English grammar and usage.	2.0	3 units of English credit (Literature/Composition I & II and a third ELA class)

Mathematics

Course Name/Description	Credit	Prerequisite
Geometry: Concepts & Connections (Y) The second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right	1.0	1 unit of Math credit (Algebra)

triangle trigonometry, geometric measurement, and conditional probability.		
Honors Geometry: Concepts & Connections (Y) Is the 2nd course in a sequence of honors courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career. This course contains all of the standards as the on-level course with a few additional standards and more depth of knowledge. The course is intended for students who completed Algebra in the 8th grade or excelled in Algebra in the 9th grade.	1.0	1 unit of Math credit (Algebra)
Advanced Algebra: Concepts & Connections (Y) The third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning.	1.0	2 units of Math credit (Algebra & Geometry)
Honors Advanced Algebra: Concepts & Connections (Y) Is the 3rd course in a sequence of honors courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career. This course contains all of the standards as the on-level course with a few additional standards and more depth of knowledge.	1.0	2 units of Math credit (Algebra & Geometry)
Pre-Calculus (Y) Is a fourth mathematics course designed to prepare students for calculus and other college level mathematics courses. Units of study include intro to trigonometry, trig functions, trigonometry of triangles, trig identities, matrices, conics, vectors, and probability.	1.0	3 units of Math credit (Algebra, Geometry, & Advanced Algebra)
AP Pre-Calculus (Y) Is the last course in a sequence of honors/accelerated courses designed to enable students to take higher level mathematics courses including AP Calculus and Multivariable Calculus during their high school careers. Units of study include intro to trigonometry, trig functions, trigonometry of triangles, trig identities, matrices, conics, vectors, inference & conclusions from data, and probability.	1.0	3 units of Math credit (Algebra, Geometry, & Advanced Algebra)
Advanced Financial Algebra is a fourth-year mathematics course designed for students who have successfully completed Algebra II. The course extends and deepens student understanding of algebra, statistics, and research design while introducing students to relevant financial and business applications. Students will create, apply, and interpret a wide variety of algebraic function-models to aid in real-world decision making. Statistical research and analysis will be utilized to determine the efficacy of model applications and further assist in exploring scenarios with financial implications. Financial contexts for these mathematical concepts will include business	1.0	3 units of Math credit (Algebra, Geometry, & Advanced Algebra)

operations and optimization, tax considerations, insurance and risk management, banking services, budget creation, loan and credit analysis, investment strategies and retirement plans, stock market performance, real estate fundamentals, and automobile ownership.		
AP Statistics (Y) Is divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Exploratory analysis of data makes use of graphical and numerical techniques to study patterns and departures from patterns. Probability is the tool used to anticipate future behavior of data associated with a given model. Statistical inference is the process used to make decisions stemming from observed This course is designed for students who want to pursue studies/careers in the quantitative/scientific fields	1.0	Pre-Calculus/AP Precalculus
AP Calculus AB (Y) Is a course in single-variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized.	1.0	Pre-Calculus/AP Precalculus
AP Calculus BC (Y) Is a course in single-variable calculus that includes all the topics of Calculus B plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series.	1.0	AP Calculus AB

Science

Course Name/Description	Credit	Prerequisite
Biology Is a required course in which the students will learn and understand biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels. Students will also be able to implement applications of biological processes to everyday situations. This course meets the graduation requirement of 1 unit of biology.	1.0	1 unit of Science (Environmental Science)
Honors Biology Is a required course in which the students will learn and understand biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels. Students will also be able to implement applications of biological processes to everyday situations. This course meets the graduation requirement of 1 unit of biology.	1.0	1 unit of Science (HS/MS Physical Science or AC 8th OR Environmental Science)
Chemistry I (Y) An introduction to the study of the structure, properties and functions of matter, and is the foundation for a variety of fields of study as well as the basis for much of modern-day industry and economics. Because of the abstract nature of atoms	1.0	Biology and Algebra

and molecules there is a strong conceptual component in its study, including both qualitative and quantitative laboratory work and mathematical analysis.		
Honors Chemistry I (Y) Is an accelerated introduction to the study of the structure, properties and functions of matter, and is the foundation for a variety of fields of study as well as the basis for much of modern-day industry and economics. Because of the abstract nature of atoms and molecules there is a strong conceptual component in its study, including both qualitative and quantitative laboratory work and mathematical analysis. At the honors level there is a significant amount of mathematics.	1.0	Biology and Algebra
Physics (Y) Is a detailed study of energy and its relation to matter, beginning with mechanics (the study of motion) and extending to nuclear, sound, and electromagnetic energies. Electromagnetic energies include optics, electricity, and magnetism. Vector mathematics and Algebraic analysis are used.	1.0	Biology and Algebra
Honors Physics (Y) Is an accelerated, in-depth study of energy and its relation to matter, beginning with mechanics (the study of motion) and extending to nuclear, sound, and electromagnetic energies. Electromagnetic energies include optics and electricity and magnetism. Vector mathematics and Algebraic analysis are used extensively.	1.0	H Chem and Algebra & Geometry
Forensics (Y) Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence.	1.0	Biology and Chemistry; May be taken as a 4th science
Honors Human Anatomy (Y) Is designed to give the student an accelerated exploration of the structures and functions of the major systems of the human body. It is designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.	1.0	3 units of science (must have Biology credit)
Zoology (Y) The course gives an introduction to zoology, with particular emphasis on the morphology and systematics of both vertebrates and invertebrates. In addition, the students should acquire basic knowledge in ethology, evolution, and human ecology.	1.0	Biology May be taken as a 4th science
Astronomy (Y) Is the study of the matter and energy beyond the earth's atmosphere and the relationship between the earth and that matter and energy. Topics include the structure and origin of planets and planetesimals, stars, galaxies and galaxy clusters, dark matter, the edge of the universe, and the energy of the universe.	1.0	Biology May be taken as a 4th science

AP Environmental Science (Y) Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.	1.0	Biology and Chemistry
AP Biology (Y) Is designed to be the equivalent of a college introductory biology course usually taken by biology or other science majors during their first year. The Advanced Placement course in biology differs significantly from the usual first high school course in biology with respect to the textbook used, the range and depth of topics covered, laboratory work done by students, and the time and effort required of students. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.	1.0	Biology and Chemistry
AP Chemistry (Y) Is designed to be the equivalent of a college introductory chemistry course usually taken by students who have an interest in biological sciences, physical sciences, or engineering. The Advanced Placement Chemistry course expands the knowledge and skills gained during the introductory high school chemistry course. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of chemistry.	1.0	Honors Chemistry and Honors Advanced Algebra
AP Physics I Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.	1.0	2 Units of Science including Physics & Advanced Algebra
AP Physics C: Mechanics is equivalent to a one-semester, calculus based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course**.**		2 Units of Science including AP Physics & AP Calculus AB

Social Studies

Course Name/Description	Credit	Prerequisite
World History (Y) Is a survey of people and nations of both Western and non-Western civilizations. This course explores the political, cultural, and economic heritage of	1.0	None

civilizations from the time of recorded history to present. Concepts and skills in problem solving and critical thinking are developed.		
Honors World History (Y) Is a survey of people and nations of both Western and non-Western civilizations. This course explores the political, cultural, and economic heritage of civilization from the time of recorded history through the industrial revolution (5000 B.C. – 1800's) and from the rise of nationalism to contemporary times (1800's – present). Critical thinking and problem solving are stressed. Extensive reading and writing are required.	1.0	None
AP World History (Y) Highlights the nature of changes in international frameworks and their causes and consequences, as well as comparison among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human state.	1.0	Honors World Geography or AP Human Geography
U. S. History (Y) Is a survey of the development of the United States from discovery through the present. The purpose of this course is to increase knowledge, awareness, and appreciation of America's social, political, and economic evolvement from colonization to its current position as a world leader.	1.0	World History
Honors U. S. History (Y) Is a survey of the development of the United States from discovery through the present. The purpose of this course is to increase knowledge, awareness, and appreciation of America's social, political, and economic evolvement during the formative years to present. Emphasis on inquiry & analysis of historical situations. Extensive reading/writing are required.	1.0	World History
AP U. S. History (Y) The course targets political and social aspects of history, but also includes diplomatic, economic and intellectual history. The course will involve extensive readings, independent study and frequent written analysis to prepare students for the AP examination.	1.0	Honors or AP World History
American Government Is a study of the local, state, and federal governmental functions. Citizenship rights and responsibilities are emphasized. Focus areas include development of our political system, federalism, civil liberties, political parties, political theory and comparative government. Study of the functions of our executive, legislative, and judicial branches. **Principles of Economics/Personal Finance** Economics is the study of how individuals, businesses, and governments make decisions about the allocation of scarce resources. This course provides students with a foundation in the field of	½ ½	US History

economics, with a specific focus on how students can apply that knowledge to their own personal finances. In addition to the fundamental economic concepts, students will learn personal finance skills they can apply to their own futures.		
Honors American Govt. Is an accelerated and deeper study of the American Government curriculum. **Honors Economics/Personal Finance** Is an accelerated and deeper study of the Principles of Economics curriculum	½ ½	US History
AP U.S. Government & Politics (Y) Conforms to the College Board topics for AP US Government & Politics which is the study of local, state, & federal government functions. Focus areas include the development of the political system, federalism, political parties, & political theory.	1.0	Honors or AP US History
AP Macroeconomics (Y) Conforms to College Board topics for the AP Macroeconomics Examination. Covers basic economic concepts, measurement and economic performance, national income and price determination and international economics and growth.	1.0	Honors or AP US History
AP Microeconomics (Y) A college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.	1.0	Honors or AP US History

World Languages Elective Courses

Course Name/Description	Credit	Prerequisite
German I (Y) An introduction to the language and culture of Germany and other German-speaking countries and will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	1.0	None
German II (Y) Is designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the German-speaking world.	1.0	German I
Honors German III (Y) Is designed to further develop the student's communication skills and cultural appreciation of the	1.0	German II and Teacher Rec.

German-speaking world. The student will be able to participate in a variety of oral and written activities.		
Honors German IV (Y) Is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the German-speaking world.	1.0	Honors German III and Teacher Rec.
Spanish I (Y) Is an introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable students to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	1.0	None
Spanish II (Y) Is designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary/grammatical structures necessary for limited personal communication and an appreciation of diversity in the Spanish-speaking world.	1.0	Spanish I
Honors Spanish II (Y) Is designed for the student who has demonstrated superior facility in foreign language and offers a variety of opportunities for enrichment and oral work. The goal for certain grammatical functions will be full control rather than partial control.	1.0	Spanish I and Teacher Rec.
Honors Spanish III (Y) Is designed to further develop a student's communication skills and cultural appreciation of the Spanish-speaking world. The student will be able to participate in a variety of oral and written activities.	1.0	Spanish II and Teacher Rec.
Honors Spanish IV (Y) Is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the Spanish-speaking world.	1.0	Honors Spanish III and Teacher Rec.
AP Spanish Language (Y) Is designed to prepare students to take the AP language test by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing.	1.0	Hon Span IV and Teacher Rec.
Latin I (Y) Is an introduction to the language and civilization of the Romans. The course is designed to develop a knowledge base composed of vocabulary, grammar, translation, derivatives, mottoes, abbreviations, quotations, life in ancient Rome and mythology.	1.0	None
Latin II (Y) Is designed to develop reading comprehension of texts written in Latin. The course will provide additional study of grammar, vocabulary, translation, derivatives, mythology, and Roman civilization.	1.0	Latin I
Honors Latin II (Y) Is designed for the student who has demonstrated superior facility in foreign language and offers a variety of opportunities for enrichment. The goal for certain grammatical functions will be full control rather than partial control.	1.0	Latin I and Teacher Rec.
Honors Latin III (Y) Is designed to provide the student with the opportunity to understand works of classical authors with emphasis on prose selections. Additionally, the student will	1.0	Latin II and Teacher Rec.

study grammar, prepare translations, and study the culture and history corresponding to the period in which the literary selections were written.		
Honors Latin IV (Y) Is designed to provide the student with the opportunity to understand the works of classical authors with primary emphasis on epic poetry selections. Course work will include transitional readings, grammar review, a study of the mechanics of Latin poetry, and translations from the Roman author Vergil.	1.0	Honors Latin III and Teacher Rec.
AP Latin (Y) Is designed to prepare students to take the AP language test by in-depth study of grammar and intensive practice of reading and writing.	1.0	Honors Latin IV and Teacher Rec.
Latin VI (Y) A college-level Latin reading course for high school students who are ready to read at an advanced undergraduate level. It's a more difficult course with a faster pace than Latin 4 and 5, and it uses more challenging texts.	1.0	AP Latin And Teacher Rec.

OTHER
CVA, GaVS, Dual Enrollment, December Graduates

Students will be scheduled for in-person, traditional classes until all paperwork is completed, submitted, and courses approved.

Online Courses (CVA & GaVS) Students may elect to take one or more classes online through Cobb Virtual Academy (CVA) or, for classes not offered by CVA, through Georgia Virtual School (GaVS). These are only offered if the course is not available at Kell HS or if taking in addition to a full Kell schedule. Online classes are not "easier" than face-to-face classes but provide the flexibility to complete course work when it is convenient or outside the school day. Plan to spend 1.5 – 3 hours per day on each online class. **"Online Course" Contract Required**	0.5 1.0	Contract Required
December Grads Seniors may request to graduate in December provided they can complete all remaining graduation requirements during semester 1. December graduates may still participate in graduation ceremonies in May if they choose. **Application Required**		12th Grade Only
Dual Enrollment Students planning to take dual enrollment courses at a local college must complete the college application process prior to the colleges' deadlines.		See your counselor for Dual Enrollment paperwork