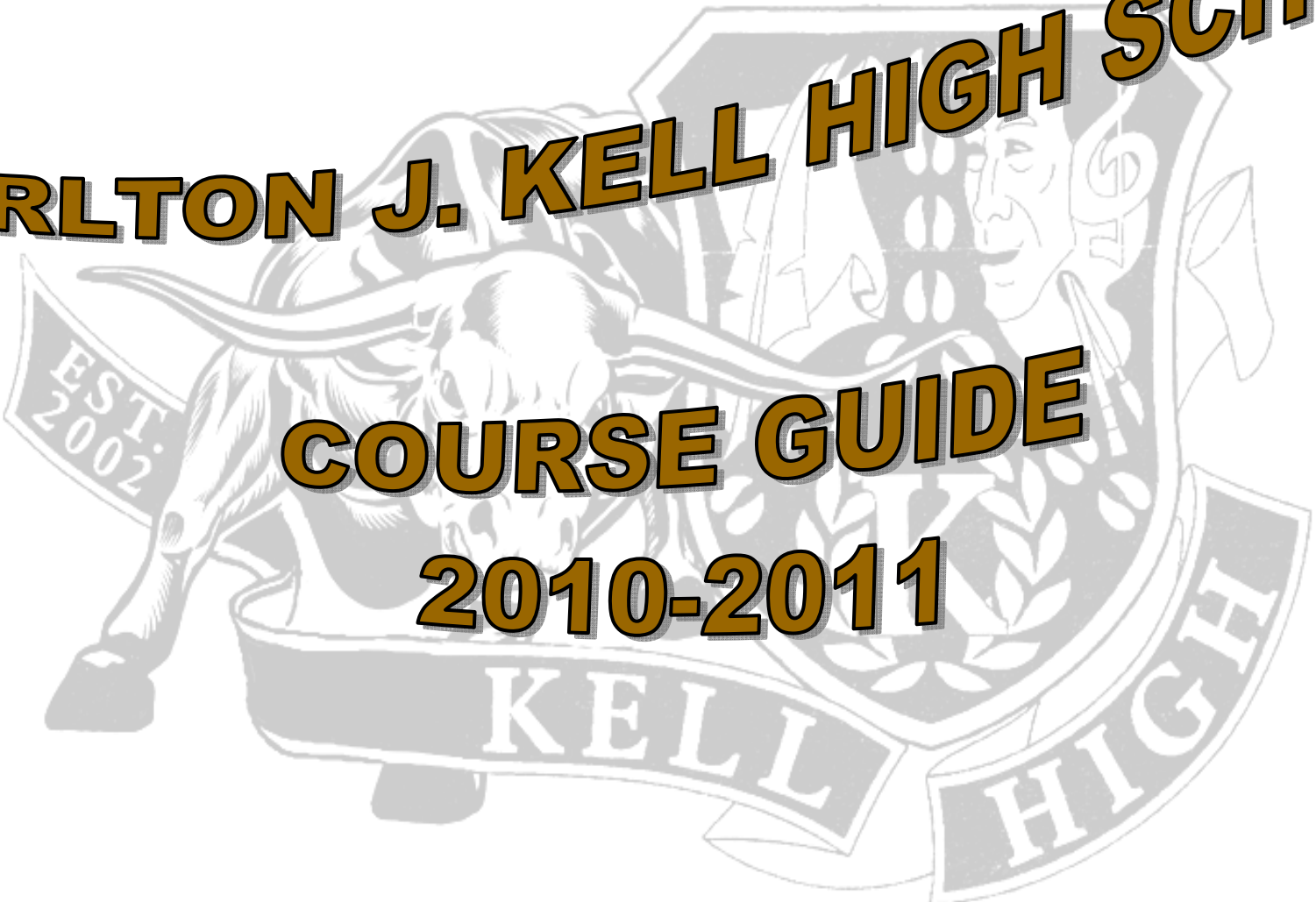


**CARLTON J. KELL HIGH SCHOOL**

**COURSE GUIDE**

**2010-2011**



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# LANGUAGE ARTS COURSES

All students MUST have FOUR credits of English for graduation including the following courses: 9<sup>th</sup> Literature and American Literature.

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>9<sup>th</sup> LITERATURE</b>	23.0610011 23.0610003 (Honors) 23.9610015 (SWD) 23.0610099 (ESOL)  <u>EOCT COURSE</u>	<p><b><u>Ninth Grade Lit/Comp A, B &amp; Y Honors</u></b> is an accelerated college prep course designed for the student who has a serious interest in the interpretation of literature. It integrates writing, grammar and usage, speaking and listening. It includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. It also emphasizes oral and written response to literature.</p> <p><b><u>Ninth Grade Lit/Comp A, B &amp; Y</u></b> is a college prep class which integrates composition, grammar, and literature. It covers the writing process; the development of vocabulary, speaking, listening, and researching skills will also be included.</p> <p><b><u>Ninth Grade Lit/Comp A, B &amp; Y (SWD)</u></b> has the same content as Ninth Grade Lit/Comp. This class of regular English is Co-taught/Collaboration (T): team taught with special education support to make indicated adjustments in methodology and/or management.</p> <p><b><u>Ninth Grade Lit/Comp A, B &amp; Y ESOL</u></b> contains the same GPS standards as Ninth Grade Lit/Comp. Adaptations in presentation are made to accommodate the needs of ESOL students. (Teacher must be ESOL Certified/Endorsed.)</p>	NONE	9	
<b>10<sup>th</sup> LITERATURE</b>	23.0630011 23.9630015 (SWD)	<p><b><u>Tenth Grade Literature/Composition A, B &amp; Y</u></b> is a college prep course. This course focuses on a study of literary genres; the student develops understanding that theme is what relates literature to life and that themes are recurring in the literary world. The students explore the effect of themes in regard to interpretation. The students will read across the curriculum to develop academic and personal interests in different subjects. While the focus is persuasive writing in tenth grade literature, the student will also demonstrate competency in a variety of writing genres: narrative, expository, and technical. The student will engage in research, timed writings, and the writing process. Instruction in language conventions will occur within the context of reading, writing, and speaking, rather than in isolation. The students demonstrate an understanding of listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.</p> <p><b><u>Tenth Grade Literature/Composition A, B &amp; Y (SWD)</u></b> has the same content as Tenth Grade Lit/Comp. This course is co-taught by a special education teacher to provide required accommodations and specialized instruction for students with disabilities in a general education class.</p> <p><b><u>Tenth Grade Literature/Composition A, B &amp; Y (Special Education/Small Group)</u></b> has the same content as Tenth Grade Lit/Comp. This class is taught by a teacher who is highly qualified in both English and special education to provide required accommodations and specialized instruction for students with disabilities in a small</p>	1 Unit English Credit	10-12	.5 Honors

		group class.  <b>Tenth Grade Literature/Composition A, B &amp; Y (ESOL)</b> contains the same GPS standards as Tenth Grade Lit/Comp. Adaptations in presentation are made to accommodate the needs of ESOL students. <b>(Teacher must be ESOL Certified/Endorsed.)</b>			
<b>WORLD LITERATURE</b>	23.0630011 23.0630003 (HONORS) 23.9630015 (SWD)	<b>World Lit/Comp</b> is a college prep course which surveys the earliest literature of the world's cultures through the present day. This course focuses on a study of World Literature; the students develop an understanding of chronological context and the relevance of period structures in literature within world cultures. A focus is to explore the ways the work's place of origin affects its structure and how the chronology of a literary work affects its meaning. The students develop an understanding of literature as both a culture's product and a culture-bearer. An exploration of commonalities and differences among works of literature from different times and places in the world is a major component. The students will read across the curriculum to develop academic and personal interests in different subjects. Depending on which grade level this course is taught, the teacher will follow strands from the <b>Georgia Performance Standards</b> for that grade level for composition, conventions, and listening, speaking, and viewing.  <b>World Lit/Comp A, B &amp; Y (SWD)</b> has the same content as World Lit/Comp. This course is co-taught by a special education teacher to provide required accommodations and specialized instruction for students with disabilities in a general education class.	1 Unit English Credit	10-12	.5 Honors
<b>AMERICAN LITERATURE</b>	23.0510011 23.0510003 (HONORS) 23.9510015 (SWD) 23.0510099 (ESOL)  <u>EOCT COURSE</u>	<b>American Literature/Composition A, B &amp; Y Honors</b> is an accelerated college prep course designed for the student who has a serious interest in interpreting literature. It covers a variety of literary genres and multicultural writers in a chronological or thematic pattern. It emphasizes developing control in expository writing (thesis support), moving toward precision in personal narrative, descriptive and persuasive writing, and refining research skills. It covers grammar, mechanics and usage.  <b>American Literature/Composition</b> is a college prep class which surveys American works and authors and will provide writing experiences related to the interpretation of literature. Grammar, vocabulary development, listening, speaking, and research will also be included.  <b>American Literature/Composition (SWD)</b> has the same content as American Lit/Comp. This course is Co-taught/Collaboration (T): team taught with special education support to make needed adjustments in methodology and/or management.  <b>American Literature/Composition(ESOL)</b> contains the same GPS standards as regular American Lit/Comp. Adaptations in presentation are made to accommodate the needs of the ESOL students. <b>(Teacher must be ESOL Certified/Endorsed.)</b>	1-2 UNITS ENGLISH CREDIT DEPENDING ON PLACEMENT LEVEL	10-12	.5 Honors
<b>MULTICULTURAL LITERATURE</b>	23.0670011 23.9670015 (SWD)	<b>Multicultural Lit/Comp A, B &amp; Y</b> The course focuses on world literature by and about people of diverse ethnic backgrounds. Students explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing writing styles and universal themes. The students write expository, analytical, and response essays. A research component is critical. The students observe and listen critically and respond appropriately to written and oral communication. Conventions are essential for reading, writing, and speaking. Instruction in language conventions will, therefore, occur within the context of reading, writing, and speaking rather than in isolation. The students understand and acquire new vocabulary and use it correctly in reading, writing, and speaking.	1 unit English Credit	10-12	

# LANGUAGE ARTS COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>BRITISH LITERATURE</b>	23.0520011 23.0520003 (HONORS) 23.9520015 (SWD)	<p><b>British Literature/Composition A, B &amp; Y Honors</b> is an accelerated college prep course designed for the student who has a serious interest in interpreting literature. It offers opportunities to improve reading, writing, speaking/listening and critical thinking skills through the study of literary selections from British writers organized chronologically or thematically. It emphasizes developing control in expository writing (thesis support), moving toward precision in personal narrative, descriptive and persuasive writing and refining research skills. It covers grammar, mechanics and usage.</p> <p><b>British Literature/Composition A, B &amp; Y</b> is a college prep course which surveys British works and authors and provides writing experiences related to the interpretations of literature. Grammar, vocabulary development, listening, speaking and research will also be included.</p> <p><b>British Literature/Composition A, B &amp; Y (SWD)</b> has the same content as British Lit/Comp. This course is Co-taught/Collaboration (T): team taught with special education support to make needed adjusts in methodology and/or management.</p>	2-3 UNITS OF BRITISH DEPENDING ON PLACEMENT	10-12	.5 HONORS
<b>AP LANGUAGE /AMERICAN LIT</b>	A Course: 23.0530092 B Course: 23.0520093	<b>Advanced Placement Language/American Lit A, B</b> a college level course that focuses on critical thinking, reading, and writing through the study and discussion of expository, analytical, and argumentative essays. It emphasizes the connection between reading and writing mature prose and infuses American Literature. Students who take this course will take the EOCT for American Lit and the AP Language Exam.	1 unit in 9 <sup>th</sup> Lit/Com and Brit Lit)	11	1.0
<b>AP LITERATURE</b>	A Course: 23.0650092 B Course: 23.0650093	<b>Advanced Placement Literature/Comp A, B &amp; Y</b> is a college-level course that focuses on the reading and analysis of literary works and the writing of critical essays. Each semester is designed as an accelerated and enriching experience in analytical and critical thinking. It also pre-supposes that a student is proficient in composition. It is geared to the student who aspires to take the AP exam.	3 units British Credit including 1 unit in Am Lit	12	1.0
<b>JOURNAL/ANNUAL I-IV</b>	23.0320011 23.0330011 23.0350011 23.0360011	<b>Journalism/Annual I-IV A, B &amp; Y</b> are courses that explore journalistic writing through the analysis of yearbooks. It concentrates on the purpose, influence and structure, and language use. It also covers news gathering, ethics, copy writing, editing, and revising. The course includes layout, circulation, and production as minor aspects	Teacher Recommendation	10-12	Elective

# LANGUAGE ARTS COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>JOURNALISM/ NEWSPAPER I-IV</b>	23.0320023 23.0330023 23.0350023 23.0360023	<b>Journalism/Newspaper I-IV A, B &amp; Y</b> are courses that focuses on journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications. A concentration on the following components of journalistic writing is critical: influence, purpose, structure, and diction. Reading, writing, and critical thinking are key components as students explore the power and influence of journalism. Students will participate in news gathering, the study of ethics, and the aspects of copy writing, editing, and revising and will study the ethics of journalism. If a publication is produced, the students will learn the process of publishing. courses that explore journalistic writing through the analysis of yearbooks. It concentrates on the purpose, influence and structure, and language use. It also covers news gathering, ethics, copy writing, editing, and revising. The course includes layout, circulation, and production as minor aspects	Teacher Recommendation	10-12	Elective
<b>JOURNALISM / LITERARY MAGAZINE</b>	23.0320007	<b>Journalism/Literary Magazine I-II A, B &amp; Y</b> are courses that explore creative writing techniques, genres, and the writing process. The class provides opportunities in writing proficiency with an emphasis on creativity in regards to poetry, fiction, nonfiction, drama, and screen writing. In addition, the class will provide practice in literary publishing with the goal of creating a literary magazine. The student will explore contemporary authors, views on writing, work shopping skills, and goals of publishing as well.	Teacher Recommendation	9-12	Elective
<b>GIFTED CREATIVE WRITING</b>	23.2310090	<b>G Creative Writing</b> provides opportunities to improve proficiency with emphasis on fluency, control, and style; emphasizes writing as a creative process with instruction in grammar, mechanics, usage, and imaginative expression. Offers opportunities for independent writing assignments to examine narrative, descriptive, persuasive, and expository modes of discourse. Includes literature study. May include publication of written student works. Content, process, and product are differentiated for the gifted student.	Gifted Eligibility	9-12	Elective
<b>CURRENT TOPICS IN READING</b>	23.1830011 23.8830011 (small group)	<b>Current Topics in Reading I A, B &amp; Y</b> provides fundamental skills development in all areas of British Language Arts in a language lab setting. It includes drill and practice opportunities in writing, organizing, speaking, reading, and thinking.  <b>Current Topics in Reading I A, B &amp; Y (Small Group)</b> has the same content as <b>Current Topics in Reading I</b> .	Teacher Recommendation	09	Elective

# MATHEMATICS COURSES

Students who enter Ninth Grade under Graduation Rule IHF(6) beginning in SY2008-09 (Class of 2012 and after) must enroll in new GPS Math Courses. Descriptions for GPS courses under new Graduation Rule IHF(6) are Math Support I/II, Math I/II/III/IV, Accelerated Math I/II/III/IV. Beginning with the Class of 2012 students must have 4 units of Math, including Math I, 2, and 3 or their equivalent.

Students from the Class of 2011 must complete Algebra I or its equivalent. Students from this class who are considering college should complete FOUR years of math including Algebra I, Geometry, Algebra II and a mathematics class beyond Algebra II which could include: Algebra III, Advanced Algebra/Trig, or Statistics.

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>MATH SUPPORT I</b>	27.0440011 27.9440015 (SWD)	The purpose of the Mathematics Support class is to address the needs of students who have traditionally struggled in mathematics by providing the additional time and attention they need in order to successfully complete their regular grade-level mathematics course without failing. Mathematics Support is an elective class that should be taught concurrently with a student's regular mathematics class.	NONE	9	
<b>MATHEMATICS I</b>	27.0810011 27.9810015 (SWD)  <u>EOCT COURSE</u>	<p><b>Mathematics I: Algebra / Geometry / Statistics:</b> This is the first in the sequence of secondary mathematics courses designed to ensure that students are college and work ready. This course requires students to:</p> <ul style="list-style-type: none"> <li>• explore the characteristics of basic functions using tables, graphs, and simple algebraic techniques;</li> <li>• operate with radical, polynomial, and rational expressions;</li> <li>• solve a variety of equations, including quadratic equations with a leading coefficient of one, radical equations, and rational equations;</li> <li>• investigate properties of geometric figures in the coordinate plane;</li> <li>• use the language of mathematical argument and justification;</li> <li>• discover, prove, and apply properties of polygons;</li> <li>• utilize counting techniques and determine probability;</li> <li>• use summary statistics to compare samples to populations; and</li> <li>• explore the variability of data.</li> </ul> <p>Mathematics I with Math Support I is a FULL YEAR course.</p> <p>SWD (SWD): Team taught courses provide special education support to make needed adjustments in methodology and/or management. (Math course for students entering 9<sup>th</sup> grade for the first time 08-09)</p>	Successful completion of 8 <sup>th</sup> grade math	9	

# MATHEMATICS COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>MATH SUPPORT II</b>	27.0450011 27.9450015 (SWD)	The purpose of the Mathematics Support class is to address the needs of students who have traditionally struggled in mathematics by providing the additional time and attention they need in order to successfully complete their regular grade-level mathematics course without failing. Mathematics Support is an elective class that should be taught concurrently with a student's regular mathematics class.	Teacher Rec		
<b>MATHEMATICS II</b>	27.0820011 27.9820015 (SWD)  <u>EOCT COURSE</u>	<p><b>Mathematics II: Geometry/ Algebra II/ Statistics:</b> This is the second in the sequence of secondary mathematics courses designed to ensure that students are college and work ready. This course requires students to:</p> <ul style="list-style-type: none"> <li>• represent and operate with complex numbers;</li> <li>• use numerical, graphical, and algebraic techniques to explore quadratic, exponential, and</li> <li>• piecewise functions and to solve quadratic, exponential and absolute value equations and</li> <li>• inequalities;</li> <li>• use algebraic models to represent and explore real phenomena;</li> <li>• explore inverses of functions;</li> <li>• use right triangle trigonometry to formulate and solve problems;</li> <li>• discover, justify and apply properties of circles and spheres;</li> <li>• use sample data to make informal inferences about population means and standard deviations; and</li> <li>• fit curves to data and examine the issues related to curve fitting.</li> </ul> <p>SWD (SWD): Team taught courses provide special education support to make needed adjustments in methodology and/or management. <i>Mathematics II with Math Support II is a FULL YEAR course</i></p>	Mathematics I	9-12	
<b>Math Support III</b>	27.0461100 27.9460015 (SWD)	The purpose of the Mathematics Support class is to address the needs of students who have traditionally struggled in mathematics by providing the additional time and attention they need in order to successfully complete their regular grade-level mathematics course without failing. Mathematics Support is an elective class that should be taught concurrently with a student's regular mathematics class.	Teacher Rec		

# MATHEMATICS COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>MATHEMATICS III</b>	27.0830011 27.9830015 (SWD)	<p><b>Mathematics III: Advanced Algebra / Statistics:</b> This is the third in the sequence of secondary mathematics courses designed to ensure that students are college and work ready. It requires students to:</p> <ul style="list-style-type: none"> <li>• analyze polynomial functions of higher degree;</li> <li>• explore logarithmic functions as inverses of exponential functions;</li> <li>• solve a variety of equations and inequalities numerically, algebraically, and graphically;</li> <li>• use matrices and linear programming to represent and solve problems;</li> <li>• use matrices to represent and solve problems involving vertex-edge graphs; investigate the relationships between lines and circles;</li> <li>• recognize, analyze, and graph the equations of conic sections;</li> <li>• investigate planes and spheres;</li> <li>• solve problems by interpreting a normal distribution as a probability distribution;</li> <li>• design and conduct experimental and observational studies.</li> </ul> <p>SWD (SWD): Team taught courses provide special education support to make needed adjustments in methodology and/or management.</p>	Mathematics II	9-12	
<b>MATHEMATICS IV</b>	27.0840011 27.9840015 (SWD)	<p><b>Mathematics IV: Pre-Calculus – Trigonometry / Statistics:</b> This is a fourth year mathematics course designed to prepare students for calculus and similar college mathematics courses. It requires students to:</p> <p>investigate and use rational functions;            analyze and use trigonometric functions, their graphs, and their inverses;            use trigonometric identities to solve problems and verify equivalence statements;            solve trigonometric equations analytically and with technology;            find areas of triangles using trigonometric relationships;            use sequences and series;            understand and use vectors;            investigate the Central Limit theorem; and            use margins of error and confidence intervals to make inferences from data.</p> <p>SWD (SWD): Team taught courses provide special education support to make needed adjustments in methodology and/or management</p>	Mathematics III	9-12	

# MATHEMATICS COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>ACCELERATED MATHEMATICS I</b>	27.0910003 27.0910087 (Magnet)  <u>EOCT COURSE</u>	<p><b><u>Accelerated Mathematics I: Geometry / Algebra II / Statistics</u></b>                      This is the first in the sequence of mathematics courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. It requires students to:</p> <ul style="list-style-type: none"> <li>• represent and operate with complex numbers;</li> <li>• explore the characteristics of basic functions utilizing tables, graphs, and simple algebraic techniques;</li> <li>• operate with radical, polynomial, and rational expressions;</li> <li>• solve equations, including quadratic, radical, and rational equations;</li> <li>• investigate properties of geometric figures in the coordinate plane;</li> <li>• use the language of mathematical argument and justification;</li> <li>• discover, prove, and apply properties of polygons, circles and spheres;</li> <li>• utilize counting techniques and determine probability;</li> <li>• use summary statistics to compare samples to populations;</li> <li>• explore variability of data; and</li> <li>• fit curves to data and examine the issues related to curve fitting.</li> </ul>	Successful completion of 8 <sup>th</sup> Grade Math  Teacher Recommendation	9-12	
<b>ACCELERATED MATHEMATICS II</b>	27.0920003 27.0920087 (Magnet)  <u>EOCT COURSE</u>	<p><b><u>Accelerated Mathematics II: Advanced Algebra / Geometry / Statistics</u></b>                      This is the second in the sequence of mathematics courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. It requires students to:</p> <ul style="list-style-type: none"> <li>• explore the characteristics of exponential, logarithmic, and higher degree polynomial functions using tables, graphs, and algebraic techniques;</li> <li>• explore inverses of functions;</li> <li>• use algebraic models to represent and explore real phenomena;</li> <li>• solve a variety of equations and inequalities using numerical, graphical, and algebraic techniques with appropriate technology;</li> <li>• use matrices to formulate and solve problems;</li> <li>• use linear programming to solve problems;</li> <li>• use matrices to represent and solve problems involving vertex-edge;</li> <li>• use right triangle trigonometry to formulate and solve problems;</li> <li>• investigate the relationships between lines and circles;</li> <li>• recognize, analyze, and graph the equations of conic sections;</li> <li>• investigate planes and spheres;</li> <li>• use sample data to make informal inferences about population means and standard deviations;</li> <li>• solve problems by interpreting a normal distribution as a probability distribution; and design and conduct experimental and observational studies</li> </ul>	Successful completion of Accelerated Mathematics I or Mathematics II  Co-teaching IEP Required	9-12	.5

# MATHEMATICS COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>ACCELERATED MATHEMATICS III</b>	27.0930003 27.0930087 (Magnet)	<p><b><u>Accelerated Mathematics III: Pre-Calculus - Trigonometry / Statistics</u></b>            This is the third in the sequence of mathematics courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. It requires students to:</p> <ul style="list-style-type: none"> <li>• investigate and use rational functions;</li> <li>• analyze and use trigonometric functions, their graphs, and their inverses;</li> <li>• find areas of triangles using trigonometric relationships;</li> <li>• use trigonometric identities to solve problems and verify equivalence statements;</li> <li>• solve trigonometric equations analytically and with technology;</li> <li>• use complex numbers in trigonometric form;</li> <li>• understand and use vectors;</li> <li>• use sequences and series;</li> <li>• explore parametric representations of plane curves;</li> <li>• explore polar equations;</li> <li>• investigate the Central Limit theorem; and</li> <li>• use margins of error and confidence intervals to make inferences from data.</li> </ul>	Successful completion of Accelerated Mathematics II or Mathematics III	9-12	.5
<b>INFORMAL ALGEBRA II</b>	27.0640011 27.9640015 (SWD)	<p><b><u>Informal Algebra II</u></b> includes the same topics of study included in Algebra II and places less emphasis on formal processes and rigor. While Informal Algebra II satisfies the third math course in the college-preparatory sequence, it is not recommended for stronger math students or students who want to pursue studies or careers in the quantitative or scientific fields.</p> <p>SWD courses provide special education support to make required accommodations in methodology and/or management.</p> <p>Special education small group courses provide the same course content and must be taught by a teacher highly qualified in both mathematics and special education.</p> <p><b>Last Time offered will be Spring SY2011</b></p>	Algebra I or Algebra I Pt I & Algebra I Pt II	10-12	
<b>Advanced Algebra &amp; Trigonometry</b>	27.0650007	<p><b><u>Advanced Algebra / Trigonometry</u></b> is the fourth course in the college-preparatory sequence for mathematics. Recognized as the on-level pre-calculus course, Advanced Algebra / Trigonometry provides a carefully synchronized combination of advanced algebra, trigonometry, elementary analysis, and analytical geometry. The course is intended for students who want to build a strong foundation for higher mathematics, such as Calculus, college-level Pre-Calculus, or college-level Statistics. Course topics include function analysis, trigonometry, conic sections, sequences, series, complex numbers, probability, statistics, vectors, and matrices.</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced careers in mathematics. <b>Last time offered will be Spring SY2011</b></p>	Algebra II and Geometry	11-12	

# MATHEMATICS COURSES

<b>Algebra III</b>	27.0661011 27.9661015 (SWD)	<p><b>Algebra III</b> is a college-preparatory course for students who have passed Algebra II and Geometry but are not ready to (or choose not to) take Advanced Algebra and Trigonometry or Analysis. Algebra III can serve as the fourth course in the college-preparatory sequence. Course topics include sequences, series, matrices, determinants, systems, functions, conic sections, trigonometry, statistics, and probability. Algebra III is not recommended for stronger math students or students who want to pursue studies or careers in the quantitative or scientific fields.</p> <p>SWD courses provide special education support to make required accommodations in methodology and/or management.</p> <p><b>Last time offered will be Spring SY2011</b></p>	Algebra II and Geometry  Co-teaching IEP Required	11-12	
<b>Calculus</b>	27.0710003	<p><b>Calculus (non-AP)</b> includes many of the topics taught in AP Calculus, but does not provide the same depth of study associated with AP Calculus. The non-AP Calculus course is designed for students who do not wish to receive college credit through the Advanced Placement Exam.</p> <p><b>Last time offered will be Spring SY2011</b></p>	Advanced Algebra/Trig or Analysis	11-12	.5
<b>AP Calculus AB</b>	27.0720095	<p><b>AP Calculus AB</b> 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 throughout the course</p>	Advanced Algebra/Trig or Analysis (Recommended)		1.0
<b>AP Calculus BC</b>	A Course: 27.0730092 B Course: 27.0730093	<p><b>AP Calculus BC</b> is a course in single-variable calculus that includes all the topics of Calculus AB (techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus) plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series. It is equivalent to at least one year of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course.</p>	Advanced Algebra/Trig or Analysis (Recommended)		1.0
<b>AP Statistics</b>	A Course: 27.0740092 B Course: 27.0740093	<p><b>AP Statistics</b> 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 or careers in the quantitative or scientific fields, or fields that rely on statistical analysis of pertinent data.</p>	Algebra II or Honors Algebra II	9-12	1.0

# MATHEMATICS COURSES

<b>Statistics</b>	27.0510099	<b>Statistics</b> teaches students how to apply statistical methods in problem solving and in the evaluation of the many claims they encounter in their lives. It also emphasizes the application of statistics to real-world phenomena. Projects include designing an experiment, collecting and analyzing data, interpreting the results, and formulating conclusions. This course is designed for students who want to prepare for college-level statistics or pursue studies or careers in fields that rely on statistical analysis of pertinent data.	Algebra II	9 – 12	
<b>Multi-Variable Calculus</b>	27.0750007	<b>Multi-Variable Calculus</b> involves the study of functions in several variables. Topics include functions, limits, continuity, differentials, directional derivatives, partial derivatives, chain rule, multiple integrals, and applications. This course is designed for strong math students who want to pursue studies or careers in the quantitative or scientific fields.	AP Calculus	11-12	1.0
<b>ACL Calculus II</b> <i>(Georgia Institute of Technology Distance Learning Program)</i>	27.3720404	<b>Topics in Multivariable Calculus:</b> Involves the study of functions in several variables. Topics include functions, limits, continuity, differentials, directional derivatives, partial derivatives, chain rule, multiple integrals, and applications. This course is designed for strong math students who want to pursue studies or careers in the quantitative or scientific fields.	AP Calculus	11-12	1.0
<b>ACL Calculus III</b> <i>(Georgia Institute of Technology Distance Learning Program)</i>	27.3750404	<b>Further Topics in Multivariable Calculus:</b> Linear approximation and Taylor's theorems, Lagrange multiples and constrained optimization, multiple integration and vector analysis including the theorems of Green, Gauss, and Stokes.	ACL Calc II (DL – GA Tech)	11-12	1.0

# SCIENCE COURSES

Students entering Ninth Grade under Graduation Rule IHF(6) beginning in Fall, SY2008-09 (Class of 2012 and after) must take FOUR science classes for graduation including biology, physics or physical science, chemistry/environmental science/earth systems, or an AP science plus one additional science. See course sequencing diagram on website for additional information.

Students from the Class of 2011 must complete three sciences classes for graduation including a life science, a physical science and one additional science.

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>BIOLOGICAL SCIENCES</b>					
<b>BIOLOGY</b>	26.0120011 26.0120003 (Honors) 26.9120015 (SWD)  <u>EOCT COURSE</u>	<p><u>Biology I</u> is a recommended 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.</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.</p> <p>ESL courses provide language support to make required accommodations in strategies.</p> <p>SWD courses provide special education support to make required accommodations in methodology and/or management.</p>	NONE  Co-taught requires IEP	9th	
<b>AP BIOLOGY</b>	A Course: 26.0140092 B Course: 26.0140093	<p><u>AP Biology</u> 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. Some students, as college freshmen, are permitted to undertake upper-level courses in biology or register for courses for which biology is a prerequisite after achieving an adequate score on the optional Advanced Placement Examination.</p>	1 UNIT Biology, 1 Unit Chemistry & Teacher Recommendation	11-12	1.0

# SCIENCE COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>Human Anatomy Physiology</b>	26.0730011 26.0730003 (Honors)	<p><u>Human Anatomy/Physiology</u> is designed to give the student a overview of the structures and functions of the major systems of the human body. The course is intended for a student who is interested in pursuing a career in various medical fields and physical education.</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.</p>	1 Unit Biology	10-12	.5 Honors
<b>ENVIRONMENTAL SCIENCES</b>					
<b>Environmental Science</b>	26.0611011 26.9611015 (SWD)	<p><u>Environmental Science</u> is designed as an integrated and global approach to science and technology. The concepts in this course focus on the links between living things, their surroundings, and the total environment of the planet. The scientific principles and related technology will assist the student in understanding the relationships between local, national, and global environmental issues. The intent of the course is to help individuals become informed, get involved, and care for one's self and the environment.</p> <p>SWD class is co-taught by a science and a special education teacher to provide required accommodations and specialized instruction for students with disabilities in a general education class.</p>	1 Unit Biology  Co-taught requires IEP	11-12	1.0
<b>AP Environmental Science</b>	A Course: 26.0620092 B Course: 26.0620093	<p><u>AP Environmental Science</u> is scientific systematic examination of the interrelationships of the natural world, and the student will be able to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.</p>	1 Unit Biology and Chemistry,  Teacher Recommendation	11-12	1.0
<b>Honors Microbiology</b>	26.0510003	<p><u>Honors Microbiology</u> is an honors level course of systematic investigation of microbes, their growth, nutrition, and their role in the environment and interaction with other organisms. It is designed to offer the student basic concepts in laboratory skills and methods of identification of microscopic organisms.</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.</p>	1 unit Biology	10-12	.5

## ENVIRONMENTAL SCIENCES (CON'T)

<b>Zoology</b>	26.0710011 27.9710015 (SWD)	<p><u>Zoology</u> is a systematic study of the animal kingdom and their basic identification characteristics. Emphasis will be placed on comparative anatomy, as well as on the methods that each phyla uses to accomplish the basic life processes.</p> <p>SWD courses provide special education support to make required accommodations in methodology and/or management.</p>	1 unit Biology  Co-taught requires IEP	10-12	
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## CHEMISTRY COURSES

<b>Chemistry</b>	40.0510011 40.0510003(Honors)	<p><u>Chemistry I</u> is a 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.</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.</p> <p>SWD courses provide special education support to make required accommodations in methodology and/or management.</p>	Co-taught requires IEP	10-12	.5 Honors
<b>AP Chemistry</b>	A Course: 40.0530092 B Course: 40.0530093	<p><u>Advanced Placement Chemistry</u> 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.</p>	Chemistry I Honors or Teacher Recommendation	10-12	1.0
<b>Forensic Science</b>	40.0930011	<p><u>Forensic Science</u> 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.</p>	Biology and Chemistry	10-12	

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>PHYSICS COURSES</b>					
<b>Physics</b>	40.0810011 (Conceptual) 40.0810003 (Honors) 40.9810015 Teamed)	<p><u>Physics I</u> 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 and electricity and magnetism. This course will satisfy the graduation requirement of one (1) unit of a physical science or may be used as regular science credit.</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine. In the honors level course vector mathematics and Algebraic analysis are used extensively.</p> <p>SWD courses provide special education support to make required accommodations in methodology and/or management.</p>	Math I or Algebra I  Algebra II or Concurrent Enrollment (H)  Co-taught requires IEP	10-12	.5 Honors
<b>AP Physics B</b>	A Course: 40.0830092 B Course: 40.0830093	<u>Advanced Placement Physics B</u> provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. The course ordinarily forms both parts of the college sequence that serves as the foundation in physics for students majoring in pre-medicine or applied sciences. Some students, as college freshmen, are permitted to undertake upper-level courses in physics or register for courses for which physics is a prerequisite after achieving an adequate score on the optional Advanced Placement Examination.	2 Units of Science,  one of which must be Physics, Algebra II and Dept. Recommendation	11-12	1.0
<b>AP Physics C</b>	A Course: 40.0941092 B Course: 40.0941093	<u>Advanced Placement Physics C Mechanics</u> is a calculus-based course that includes a detailed study of classical (Newtonian) mechanics. Some students, as college freshmen, are permitted to undertake upper-level courses in physics or register for courses for which physics is a prerequisite after achieving an adequate score on the optional Advanced Placement Examination.	2 Units of Science, one of which must be Physics, Calculus (or taking concurrently) and Dept. Recommendation	11-12	1.0

# SOCIAL STUDIES COURSES

Students who enter Ninth Grade under Graduation Ruse IHF (6) beginning in Fall, 2008-09 (Class of 2012 and after) must enroll in three Social Studies classes for graduation including World History, US History, and Government/Economics.

Students from the Class of 2011 must complete the following social studies classes for graduation: World Studies (World History or World Geography), US History and Government/Economics. Students pursuing a college prep diploma must take World History for graduation.

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>CURRENT ISSUES</b>	45.0120099 (Y) 45.2120091 (GIFTED)	Provides an opportunity for in-depth examination of contemporary local, state, national and international issues. The purpose of this course is to assess, assimilate and analyze political and economic situations. Intense reading and detailed research are required.	Gifted Eligibility Req'd for Gifted Course	09-12	Elective
<b>PSYCHOLOGY</b>	45.015009 (Y) 45.2150091 (GIFTED)	Gives a general overview of the principles and concepts of psychology, including learning theory, perception, intellectual, and social development, abnormal behavior, and interpersonal relationships. The purpose of this course is to provide students with a better understanding of the dynamics that shape our own behaviors as well as the behaviors of others.	2 Units in Social Studies Gifted Eligibility Req'd for Gifted Course	11 – 12	Elective
<b>AP PSYCHOLOGY</b>	A Course: 45.0160092 B Course: 45.0160093	A college level survey course with study in Learning Theory, Abnormal Behavior, and Social Psychology. Extensive reading, writing and statistical analysis are required by students.	Teacher Recommendation	11 – 12	1.0
<b>SOCIOLOGY</b>	45.0310099 (Y)	Study of human society and social behavior. The purpose of the course is to provide students with a basic understanding of how humanity is shaped largely by the groups to which people belong and by the social interaction that take place within those groups. Societal problems in the United States will also be discussed.	NONE	10-12	Elective
<b>AP GOVERNMENT</b>	A Course: 45.0520092 B Course: 45.0520093	Conforms to the College Board topics for AP American Government which is the study of local, state, & federal government functions. Focus areas include the development of the political system, federalism, political parties, & political theory. Also, the executive legislative & judicial branches will be studied. <b>Combined with AP Economics at KHS.</b>	Teacher Recommendation	12	1.0
<b>AP MACROECONOMICS</b>	A Course: 45.0620092 B Course: 45.0620093  <b><u>EOCT COURSE</u></b>	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.  <b>Taught FULL YEAR combined with AP Government at KHS.</b>	U.S. History Teacher Recommendation	12	1.0

# SOCIAL STUDIES COURSES

COURSE NAME	COURSE NUMBER	Course Description	Prerequisites	Grade	Quality Points
<b>PRINCIPLES OF ECONOMICS</b>	45.0610010 45.0610002 (Honors) 45.9610014 (SWD)  <u>EOCT COURSE</u>	<p>Study of fundamental concepts and essential elements of the market economic system in a problem/issues orientation. Focus areas include opportunity costs and scarcity, supply/demand analysis, competitive markets, macroeconomics measurement, business cycles, inflation, unemployment, monetary and fiscal policies, and international trade. (EOCT)</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced careers in social studies. (EOCT)</p> <p>SWD courses provide special education support to make needed adjustments in methodology and/or management. (EOCT)</p>	<p>US History required</p> <p>IEP recommended for (Team &amp; Small Group)</p>	12	.5 (Honors)
<b>AMERICAN GOVERNMENT</b>	45.0570010 45.0570002 (Honors) 45.9570014 (SWD)	<p>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. Also, the functions of our executive, legislative, and judicial branches of govt. will be studied</p> <p>Honors level courses are accelerated courses designed for students interested in pursuing advanced careers in social studies.</p> <p>SWD courses provide special education support to make needed adjustments in methodology and/or management.</p>	<p>US History</p> <p>U.S History IEP Recommendation (Team &amp; Small Group)</p>	12	.5 (Honors)
<b>WORLD GEOGRAPHY</b>	45.0711011 45.9711015 (SWD)	<p>Provides an overview of physical and cultural geography. Additionally, an awareness of similarities and differences in human needs and behaviors is developed. Areas of study are North and South America, Europe, Africa, Asia, and the Pacific Islands.</p> <p>Honors level course is designed for students who have proficiency in geographic skills and concepts. Supplemental reading and writing are required.</p> <p>SWD courses provide special education support to make needed adjustments in methodology and/or management.</p>	NONE	9	Elective
<b>AP HUMAN GEOGRAPHY</b>	45.0770095 (Y)	<p>Introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Examines methods and tools geographers use in their science and practice. College level course which follows the Advanced Placement Geography Curriculum.</p>	Teacher Recommendation	9 – 12	1.0

# SOCIAL STUDIES COURSES

COURSE NAME	COURSE NUMBER	COURSE DESCRIPTION	PREREQUISITE	GRADE	QUALITY POINTS
<b>PRE AP SOCIAL STUDIES</b>	45.0711007 (Y)	This is an honors level course for 9 <sup>th</sup> graders. This course introduces students to advanced concepts in World Geography and also incorporates the World History curriculum to 600 C.E. In addition, the course introduces 9 <sup>th</sup> grade students to AP Social Studies skills, including writing and critical thinking. The purpose of the course is to prepare Social Studies students for Honors or AP World History in the 10 <sup>th</sup> grade and follows the College Board's concept for an Advanced Placement Program.	Teacher Recommendation	9	
<b>U.S. HISTORY</b>	45.0810011 45.0810003 (Honors) 45.9810015 (SWD)  <u>EOCT COURSE</u>	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 evolution from colonization to its current position as a world leader. The student will also be encouraged to think independently. EOCT  Honors level courses are accelerated courses designed for students interested in pursuing advanced social studies or careers in social studies.  SWD courses provide special education support to make needed adjustments in methodology and/or management.	NONE	11	.5 Honors
<b>AP U.S. HISTORY</b>	A Course: 45.0820092 B Course: 45.0820093  <u>EOCT COURSE</u>	The course conforms to the College Board topics for advanced placement. The course covers United States history from the time of earliest settlements to the present. 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.	Teacher Recommendation	11	1.0
<b>AP WORLD HISTORY</b>	A Course: 45.0811092 B Course: 45.0811093	Conforms to the College Board topics for advanced placement. The purpose of the course is to develop greater understanding of the evolution of global processes and contacts, interaction with different types of human societies. The course 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 prior to 1000 C. E.	Teacher Recommendation Required	10	1.0
<b>WORLD HISTORY</b>	45.0830011 45.0830003 (Honors) 45.9830015 (SWD)	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.  Honors level courses are accelerated courses designed for students interested in pursuing advanced social studies or careers in social studies. Extensive reading and writing are required.  SWD courses provide special education support to make needed adjustments in methodology and/or management.	<b>Required for College Prep Diploma</b>  Teacher Recommendation  (Team) Required for College Prep Diploma IEP	10	.5 Honors



# **ELECTIVE COURSES & CAREER PATHWAYS**

# ACADEMIC ELECTIVE COURSES

COURSE NAME	COURSE NUMBER	COURSE DESCRIPTION	COURSE PRE-REQUISITE
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SOCIAL STUDIES ELECTIVES			
<b>Psychology</b>	45.0150099	General overview of the principles and concepts of psychology, including learning theory, perception, intellectual, and social development, abnormal behavior, and interpersonal relationships. The purpose of this course is to provide students with a better understanding of the dynamics that shape our own behaviors as well as the behaviors of others	11-12 Grade
<b>Sociology</b>	45.0310099	Study of human society and social behavior. The purpose of the course is to provide students with a basic understanding of how humanity is shaped largely by the groups to which people belong and by the social interaction that take place within those groups. Societal problems in the United States will also be discussed.	10-12 Grade
<b>Current Issues</b>	45.0120099	Provides an opportunity for in-depth examination of contemporary local, state, national and international issues. The purpose of this course is to assess, assimilate and analyze political and economic situations. Intense reading and detailed research are required.	10-12 Grade
<b>AP Psychology</b>	45.0160099	<u>AP Psychology</u> is a college level survey course with study in Learning Theory, Abnormal Behavior, and Social Psychology. Extensive reading, writing and statistical analyses are required by students.	11-12 Grade
<b>AP HUMAN GEOGRAPHY</b>	45.0770095 (Y)	Introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Examines methods and tools geographers use in their science and practice. College level course which follows the Advanced Placement Geography Curriculum. <span style="color: red;">This Class is offered ONLY in Spring Semester</span>	9 -12 Grade PreAP SS in Fall or World Geography

*Students graduating in 2010 and 2011 need two credits in the same foreign language for a College Prep Diploma.  
Students pursuing a Tech Prep Diploma do not need a foreign language for graduation.*

MODERN LANGUAGE ELECTIVES			
<b>French I</b>	60.0110011	Introduction to the language and culture of France and other French-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	None Gr 9-12
<b>French II</b>	60.0120011	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 French-speaking world.	French I Gr 9-12

## MODERN LANGUAGE ELECTIVES (CON'T)

<b>French III</b>	60.0130003	Designed to further develop the student's communication skills and cultural appreciation of the French-speaking world. The student will be able to participate in a variety of oral and written activities.	French II Gr 9-12
<b>French IV</b>	60.0140003	<u>French IV Honors</u> is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the French-speaking world.	French III Gr 9-12
<b>AP French Lang</b>	60.0170095	Designed to prepare the student to take the AP language test by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing.	French IV & Recommendation
<b>German I</b>	61.0110011	<u>German I</u> is 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.	Gr 9 - 12
<b>German II</b>	61.0120011	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.	GERMAN I Gr 9-12
<b>German III</b>	61.0130003	<u>German III Honors</u> is designed to further develop the student's communication skills and cultural appreciation of the German-speaking world. The student will be able to participate in a variety of oral and written activities.	German II Gr 9-12
<b>German IV</b>	61.0140003	Designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the German-speaking world.	GERMAN III Gr 9-12
<b>German V</b>	61.0150003	Focuses on the development of fluent communication using authentic materials from German-speaking countries such as newspapers, magazines, and web sites.	GERMAN IV Gr 9-12
<b>German VI</b>	61.0160003	Designed to expand the student's conversational skills, to improve pronunciation and listening comprehension, and to enable the student to read longer selections in authentic German.	GERMAN IV Gr 9-12
<b>Latin I</b>	61.0410011	<u>Latin I</u> 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.	Gr 9 - 12
<b>Latin II</b>	61.0420011	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.	LATIN I Gr 9-12
<b>Latin III</b>	61.0430003	<u>Latin III Honors</u> is designed to provide the student with the opportunity to understand works of classical authors with emphasis on prose selections. Additionally, the student will study grammar, prepare translations, and study the culture and history corresponding to the period in which the literary selections were written.	LATIN II Gr 9-12
<b>Latin IV</b>	61.0440003	<u>Latin IV Honors</u> 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.	LATIN II Gr 9-12

## MODERN LANGUAGE ELECTIVES (CON'T)

<b>Latin V</b>	61.0450011	Designed to provide the student with the opportunity to understand the works of classical authors with primary emphasis on lyric poetry selections. Course work will include transitional readings, grammar review, a study of the mechanics of Latin lyric poetry, and translation techniques.	LATIN II Gr 9-12
<b>AP Latin Virgil</b>	61.0470095	<u>Advanced Placement Latin Honors Vergil</u> is designed to prepare the student to take the AP language test by in-depth study of grammar and intensive translation from Latin poetry indicative to the examination to be taken.	Latin II
<b>Spanish I</b>	60.0710011	Introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	None Gr 9-12
<b>Spanish II</b>	60.0720011	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 Spanish-speaking world.	Spanish I Gr 9-12
<b>Spanish II (T)</b>	60.9720015	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 Spanish-speaking world.	Spanish I & IEP Recommendation
<b>Spanish III</b>	60.0730003	Designed to further develop the 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.	SPANISH II Gr 9-12
<b>Spanish IV</b>	60.0740003	Designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the Spanish-speaking world.	SPANISH III Gr 9-12
<b>Spanish V</b>	60.0750011	Focuses on the development of fluent communication using authentic materials from Spanish-speaking countries such as newspapers, magazines, and web sites.	SPANISH IV Gr 9-12
<b>Spanish VI</b>	60.0760011	<u>Spanish VI Honors</u> is designed to expand the student's conversational skills, to improve their pronunciation and listening comprehension, and to enable them to read longer selections in authentic Spanish.	SPANISH IV Gr 9-12
<b>AP Spanish Lang</b>	60.0770095	Designed to prepare the student to take the AP language test by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing	SPANISH IV Gr 9-12

# MUSIC AND FINE ARTS ELECTIVE COURSES

## MUSIC ELECTIVE COURSES

BAND			
<b>Intermediate Band I</b>	53.0371099	<u>Intermediate Band I</u> is an intermediate band performance class for instrumentalists that have previous experience. Students can read music and have an understanding of individual and ensemble performance skills	Gr 09-12 Teacher Recommendation
<b>Intermediate Band II</b>	53.0372099	<u>Intermediate Band II</u> is an intermediate band performance class for instrumentalists that have previous experience. Students can read music and have an understanding of individual and ensemble performance skills.	Gr 09-12 Teacher Recommendation
<b>Advanced Band I</b>	53.0381099	<u>Advanced Band I</u> is an advanced band performance class for instrumentalists that have solid training in performance fundamentals. Students will deepen their understanding of individual and ensemble performance skills through the performance of advanced literature	Gr 09-12 Teacher Recommendation
<b>Advanced Band II</b>	53.0382099	<u>Advanced Band II</u> is an advanced band performance class for instrumentalists that have solid training in performance fundamentals. Students will deepen their understanding of individual and ensemble performance skills through the performance of advanced literature.	Gr 9-12 Teacher Recommendation

<b>CHORUS</b>			
<b>Beginning Mixed</b>	53.0711099	Provides opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences	None
<b>Intermediate Mixed</b>	54.0221099	Provides intermediate-level performers opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.	None
<b>Advanced Mixed</b>	54.0231099	Provides advanced-level performers opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.	Teacher Recommendation & Audition
<b>Advanced Women's</b>	54.0261099	Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.	Teacher Recommendation & Audition
<b>ORCHESTRA</b>			
<b>Intermediate Orchestra</b>	53.0562099	String instrument performance class for instrumentalists that have previous experience. Students can read music and have an understanding of individual and ensemble performance skills.	Teacher Recommendation
<b>Advanced Orchestra</b>	53.0581099	Advanced string performance class for instrumentalists that have solid training in performance fundamentals. Students will deepen their understanding of individual and ensemble performance skills through the performance of advanced literature.	Teacher Recommendation
<b>GENERAL MUSIC COURSES</b>			
<b>Music Appreciation</b>	53.0140099	Music Appreciation I is a study of music literature and styles that is intended to raise awareness of music fundamentals and the role of music in our world. Introduces production and performance; covers terminology and idioms, elements of music, perceptive listening and attitudes and appreciation. Stresses the ability to become a literate consumer and the ability to speak and write about music	Gr 10-12

<b>AP Music Theory</b>	53.0230095	AP Music Theory conforms to College Board topics for the Advanced Placement Music Theory Examination. This course will require students to read, notate, and compose music, as well as, develop skills in harmonization, techniques of modulation, key relationships, and notational skills.	Gr 10-12 Teacher Recommendation
<b>VISUAL ARTS ELECTIVE COURSES</b>			
<b>Comprehensive I /Art History</b>	A Course: 50.0211096 B Course: 50.0211097 Y Course: 50.0211099	Introduces art history, criticism & studio production. It emphasizes the ability to understand & use the elements of art & principles of design through a variety of media processes and visual resources	None
<b>Drawing/Paint I</b>	A Course: 50.0313096 B Course: 50.0313097 Y Course: 50.0313099	Introduces drawing & painting techniques and a variety of drawing & painting media. Emphasizes development of drawing & painting skills and utilizes problem solving skills to achieve desired results	Comprehensive
<b>Drawing/Paint II</b>	A Course: 50.03134096 B Course: 50.03134097 Y Course: 50.03134099	Introduces advanced drawing and painting techniques and focuses on individual expression. Problem solving skills are challenged to achieve mastery of techniques and materials. Exhibition and presentation opportunities are provided.	Comprehensive & Drawing/Painting I
<b>Ceramics/Pottery I</b>	A Course: 50.0411096 B Course: 50.0411097 Y Course: 50.0411099	Introduces the characteristics of clay and design using various techniques of construction & surface treatments. Studio processes are emphasized and students are involved in firing & presenting their clay work	Comprehensive
<b>Ceramics/Pottery II</b>	A Course: 50.0412096 B Course: 50.0412097 Y Course: 50.0412099	Enhances skills learned in the level one course and provides additional opportunities for various clay techniques in hand-building & wheel throwing. Evaluation and aesthetic judgment on student work is emphasized & personal expression in clay is encouraged.	Comprehensive & Ceramics/Pottery I
<b>Ceramics/Pottery III</b>	A Course: 50.0413096 B Course: 50.0413097 Y Course: 50.0413099	Advanced level class that emphasizes the development of personal expression in clay. Advanced techniques in construction, surface treatment, and firing are explored.	Comprehensive & Ceramics/Pottery I & II
<b>Sculpture I</b>	A Course: 50.0611096 B Course: 50.0611097 Y Course: 50.0611099	Introduces the design and production of relief sculpture and sculpture in the round. Includes additive & subtractive modeling methods; explores traditional & non traditional materials for sculpted works. A study of the historical origin & function of sculpture in a variety of cultures is included.	Comprehensive & Ceramics/Pottery I
<b>Sculpture II</b>	A Course: 50.0612096 B Course: 50.0612097 Y Course: 50.0612099	Introduces advanced sculpture production techniques. Includes additive and subtractive modeling methods; explores traditional and non traditional materials for sculptured works. Exhibition and presentation opportunities are provided.	Comprehensive & Sculpture I

## VISUAL ARTS ELECTIVE COURSES, (CON'T)

<b>Photography I</b>	A Course: 50.0711096 B Course: 50.0711097 Y Course: 50.0711099	Introduces photography as an art form and covers the historical development of photography and photographic design. A formal photographic critiquing method will be taught and used in evaluating works of others & self. Introduces enlarging negatives and stresses composing and processing techniques using a 35mm camera & pinhole camera. The safe use of photographic materials and equipment is stressed	Comprehensive + Drawing & Painting I
<b>Photography II</b>	A Course: 50.0712096 B Course: 50.0712097 Y Course: 50.0712099	Enhances skills acquired in the level 1 class and provides opportunities to apply more complex photographic processes. Explores alternative, experimental developing chemicals & processes. Stresses personal expression of ideas and depth of exploration in selected photo techniques. The exploration of the history and development of photography continues.	Comprehensive & Photography I
<b>AP Art History</b>	A Course: 50.0921092 B Course: 50.0921093	<u>Advanced Placement Art History</u> conforms to College Board topics for the Advanced Placement History of Art Examination. Covers prehistory to Egyptian, Greek and Roman, Early Christian, Byzantine, Early Medieval, Romanesque, Gothic, Renaissance and Mannerist, 17 <sup>th</sup> and 18 <sup>th</sup> century, 19 <sup>th</sup> and throughout 21 <sup>st</sup> century of non-Western Art.	Comprehensive Teacher Recommendation Gr 10 – 12
<b>AP Studio Art 2D</b>	A Course: 50.0813092 B Course: 50.0813093	Conforms to College Board topics for the Advanced Placement Studio Art 2-D Design Portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of a concept or idea. Emphasizes experiences in 2-D Design art production which might include (but not limited to) photography, printmaking & computer generated work. This course provides students with college-level studio experiences and encourages self-expression.	Comprehensive + Ceramics I or Drawing & Painting + Teacher Recommendation
<b>AP Studio Art 3D</b>	A Course: 50.0814092 B Course: 50.0814093	Conforms to College Board topics for the Advanced Placement Studio Art Drawing Portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of an idea or concept. Emphasizes experiences using different 3-D design, media and approaches. This course provides the students with college level studio experiences and encourages self expression	Comprehensive + Ceramics I + Teacher Recommendation

## THEATER ARTS ELECTIVE COURSES

<b>Drama I</b>	A Course: 52.0210096 B Course: 52.0210097 Y Course: 52.0210099	<u>Fundamentals of Drama I</u> serves as prerequisite for other theatre/drama courses. Develops and applies performance skills through basic vocal, physical and emotional exercises; includes improvisation and scene study and related technical art forms.	Gr 9 None
<b>Drama II</b>	A Course: 52.0220096 B Course: 52.0220097 Y Course: 52.0220099	<u>Fundamentals of Drama II</u> enhances level-one skills by producing and studying children's theatre in depth with performance opportunities.	Gr 10 Drama I and/or Teacher Rec
<b>Drama III</b>	A Course: 52.0230096 B Course: 52.0230097 Y Course: 52.0230099	<u>Fundamentals of Drama III</u> enhances level-two skills by producing and studying literature as related to theatre. Provides opportunities for performance with focus on language arts classes.	Gr 10 Drama II and/or Teacher Rec

## THEATER ARTS ELECTIVE COURSES (CON'T)

<b>Technical Theatre I</b>	A Course: 52.0410096 B Course: 52.0410097 Y Course: 52.0410099	<u>Technical Theatre I</u> introduces technical considerations of play production; covers properties, lighting and settings, program, box office, marketing, management, make-up and costumes.	Gr 10 Drama III and/or Teacher Rec
<b>Technical Theatre II</b>	A Course: 52.0420096 B Course: 52.0420097 Y Course: 52.0420099	<u>Technical Theatre II</u> enhances level-one skills and introduces aspects of drafting, creation of lighting, sound, properties, costumes and make-up design. Offers opportunities to apply skills in these areas.	Gr 10 Tech Theatre I and/or Teacher Rec
<b>Acting I</b>	A Course: 52.0610096 B Course: 52.0610097 Y Course: 52.0610099	<u>Acting I</u> introduces advanced acting process. Stresses developing imagination, observation, concentration powers and self-discipline. Includes developing physical and vocal control while transmitting emotions, conviction and ideas; enhances self-confidence and self-awareness. Focuses on scene study.	Gr 11 Drama III or Tech Theatre II and/or Teacher Rec
<b>Acting II</b>	A Course: 52.0620096 B Course: 52.0620097 Y Course: 52.0620099	Acting skills are enhanced with scene work and in-depth character study. This class will cover techniques in advanced scene work, blocking, tempo, strategies, creative stage business. Application of theatrical make-up, and stage combat.	Gr 11 Acting I and/or Teacher Rec
<b>Tech Theater III</b>	A Course: 52.0430096 B Course: 52.0430097 Y Course: 52.0430099	Introduces technical aspects of play production: set design, set construction, stage management, lighting design, sound, publicity, and costume design. This class will serve as a requirement for students wishing to work technical crew for productions/theater events.	Gr 11 Acting II and/or Teacher Rec
<b>Tech Theater IV</b>	A Course: 52.0440096 B Course: 52.0440097 Y Course: 52.0440099	<u>Technical Theatre IV</u> enhances level-three skills and offers opportunities to solve problems in supervising and managing all aspects of production. Explores technical directing and directing responsibilities. Offers opportunities to apply skills in these areas.	Gr 11 Tech Theatre III and/or Teacher Rec
<b>Advanced Drama I</b>	A Course: 52.0520096 B Course: 52.0520097 Y Course: 52.0520099	<u>Advanced Drama I</u> introduces acting and theatre as disciplined art forms; covers methods to observe and understand human behavior and to use those observations to create a character. Includes basic techniques of stage movement and use of physical expression for communication. Enhances vocal technique and specific patterns for better verbal communication.	Gr 12 Tech Theatre IV and/or Teacher Rec
<b>Advanced Drama II</b>	A Course: 52.0620096 B Course: 52.0620097 Y Course: 52.0620099	<u>Advanced Drama II</u> enhances level-one skills; focuses on continued development of observation skills for character creation. Uses historical, textual and improvisational studies.	Gr 12 Advanced Drama I and/or Teacher Rec
<b>Musical Theatre</b>	52.0310099	<u>Musical Theatre I</u> introduces the style and characteristic elements of modern musical theatre. Covers production staging, orchestration, voice and dance; offers an opportunity for team teaching through interdisciplinary collaboration with the chorus, band, art, technology, physical education and dance instructors. Offers opportunity for performance.	Gr 10-12 Drama I or Beg Mixed Chorus

# **ELECTIVE COURSE DESCRIPTIONS BY CAREER PATHWAY**

## **CAREER PATHWAYS OFFERED AT KHS**

### **BUSINESS & MARKETING CAREER PATHWAYS**

- **Marketing & Management Career Pathway**
- **Sports & Entertainment Marketing Career Pathway**
- **Fashion Marketing Pathway**
- **Accounting Career Pathway**
- **Small Business Development Career Pathway**
- **Financial Management Services Career Pathway**
- **Interactive Media Career Pathway**
- **Computing Career Pathway**

### **CAREER, TECHNICAL & AGRICULTURAL EDUCATION CAREER PATHWAYS**

- **Education Pathway**
- **Computer Networking Career Pathway**
- **Computer Systems & Support Career Pathway**
- **Broadcast & Video Production Pathway**
- **Architecture, Drawing & Design Pathway**
- **Law & Justice Career Pathway**
- **Interior Design Career Pathway**
- **Culinary Arts Career Pathway**
- **Naval Career Pathway**
- **Graphic Communications Career Pathway**

# BUSINESS & MARKETING CAREER PATHWAYS

## MARKETING & MANAGEMENT CAREER PATHWAY

<b>Marketing Principles</b>	A Course: 08.4740096 B Course: 08.4740097 Y Course: 08.4740099	Addresses the ways in which marketing satisfies consumer and organizational needs and wants for products and services. Students develop an understanding of basic marketing concepts to marketing, distribution and logistics, marketing information management; product/service planning, pricing mixes promotional strategies, and personal selling. <i>(This is the first course within each of the following career pathways: 1. Marketing and Management, and Sports &amp; Entertainment Marketing Career Pathway)</i>	None Gr 10-12
<b>Adv Marketing</b>	A Course: 08.4750096 B Course: 08.4750097 Y Course: 08.4750099	Builds on the principles and concepts taught in Marketing Principles. Students assume a managerial perspective in applying economic principles in marketing, analyzing operations needs, examining distribution and financial alternatives, managing marketing information, pricing products and services, developing product/service planning strategies, promoting products/services, purchasing, and professional sales. <i>(This is the second course within the Marketing and Management Career Pathway.</i>	Marketing Principles, Gr 10-12
<b>Entrepreneurial Ventures</b>	A Course: 08.4360096 B Course: 08.4360097 C Course: 08.4360099	This course concentrates on the management skills necessary for successful business operation. Students will study management strategies for developing and implementing business plans; structuring the organization; financing the organization; and managing information, operations, marketing and human resources. International business principles are infused in the standards for Entrepreneurial Ventures. An integral component of the Entrepreneurial Ventures course is a school-based or community-based entrepreneurial venture that will engage students in the creation and management of a business and the challenges of being a small business owner. Mastery of these standards through project-based learning and leadership development activities of Future Business Leaders of America (FBLA) will help prepare students with a competitive edge for the global marketplace. <i>(This is the third course in the Marketing &amp; Mgmt Career Pathway &amp; in the Small Business Development Career Pathway.)</i>	Marketing Principles + Application

## SPORTS & ENTERTAINMENT MARKETING CAREER PATHWAY

<b>Marketing Principles</b>	A Course: 08.4740096 B Course: 08.4740097 Y Course: 08.4740099	See Above	None GR 9 - 12
<b>Intro to Sports &amp; Entertainment Marketing</b>	A Course: 08.4780096 B Course: 08.4780097 Y Course: 08.4780099	Introduces the marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time. <i>(Second course in the Sports &amp; Entertainments Marketing Career Pathway)</i>	Marketing Principles, Gr 10-12

FASHION MARKETING PATHWAY			
<b>Marketing Principles</b>	A Course: 08.4740096 B Course: 08.4740097 Y Course: 08.4740099	See Above Description	None GR 9 - 12
<b>Intro to Fashion Marketing</b>	A Course: 08.4130096 B Course: 08.4180097 Y Course: 08.4130099	<u>Introduction to Fashion Marketing</u> introduces the student to the fashion industry including the fundamentals of fashion marketing, types of businesses involved in the industry, and the array of career opportunities available in fashion marketing. <i>(This is the second course within the Fashion Marketing Career Pathway.)</i>	Marketing Principles, Gr 10-12
ACCOUNTING CAREER PATHWAY			
<b>Business Essentials</b>	A Course: 06.4160096 B Course: 06.4160097 Y Course: 06.4160099	Introduction course to the world of business and personal finance. Students will have the opportunity to explore marketing, management, accounting, risk management, business law, economics, communication, and leadership. Business Essentials will also cover practical ways to earn more money and keep more of what you make by discussing budgeting, investing, financial planning, loans, insurance, and estate planning. <i>(First course in the Accounting Career Pathway, Small Business Development Career Pathway &amp; Financial Mgmt Services Career Pathway)</i>	None Gr 9-12
<b>Accounting I</b>	A Course: 07.4110096 B Course: 07.4110097 Y Course: 07.4110099	Introduces elements and concepts of double entry accounting in the basic accounting cycle for proprietorships and partnerships using spreadsheets and accounting software. <i>(This is the second course within the Accounting Career Pathway.)</i>	Business Essentials
<b>Accounting II</b>	A Course: 07.4120096 B Course: 07.4120097 Y Course: 07.4120099	Enhances Accounting I skills and introduces elements and concepts of accounting systems, departmentalized, automated, corporate, and management accounting using spreadsheets and accounting software. <i>(This is the third course within the Accounting Career Pathway.)</i>	Accounting I GR 10-12
ADMINISTRATIVE/INFORMATION SUPPORT CAREER PATHWAY			
<b>Computer Applications I</b>	A Course: 07.4411096 B Course: 07.4411097 Y Course: 07.4411099	The goal of this course is to provide an understanding and application of social, ethical, and human issues related to technology. The course will also provide an introduction to computer technology, decision-making, productivity, communications, and problem-solving skills. Areas of instruction include computer applications and integration of word processing, desktop publishing, spreadsheet, database, and presentation software as well as use of emerging technologies.	Gr 9-12
<b>Computer Applications II</b>	A Course: 07.4412096 B Course: 07.4412097 Y Course: 07.4412099	The goal of this course is to provide an understanding and application of social, ethical, and human issues related to technology. The course will also provide an introduction to computer technology, decision-making, productivity, communications, and problem-solving skills. Areas of instruction include computer applications and integration of word processing, desktop publishing, spreadsheet, database, and presentation software as well as use of emerging technologies.	Gr 9-12
SMALL BUSINESS DEVELOPMENT CAREER PATHWAY			
<b>Business Essentials</b>	A Course: 06.4160096 B Course: 06.4160097 Y Course: 06.4160099	See above Description	

<b>Legal Environment of Business</b>	A Course: 06.4150096 B Course: 06.4150097 Y Course: 06.4150099	Designed to concentrate on the legal aspects of business ownership and management. Legal issues will include contracts, sales, consumer law, employment law, and government effects on business. <i>(This is the second course within the Small Business Development Career Pathway.)</i>	Business Essentials
<b>Entrepreneurial Ventures</b>	A Course: 08.4360096 B Course: 08.4360097 C Course: 08.4360099	See Above Description	
<b>FINANCIAL MANAGEMENT SERVICES CAREER PATHWAY</b>			
<b>Business Essentials</b>	A Course: 06.4160096 B Course: 06.4160097 Y Course: 06.4160099	See Above Description	
<b>Banking &amp; Investing</b>	A Course: 07.4211096 B Course: 07.4210097 Y Course: 07.4211099	Using project-based instruction, students are introduced to the basics of the banking systems, bank operating procedures, negotiable instruments, and the deposit & credit functions of banks. Methods used for measuring the financial performance of banks are analyzed.	Business Essentials
<b>INTERACTIVE MEDIA CAREER PATHWAY</b>			
<b>Computing in the Modern World</b>	A Course: 11.4130096 B Course: 11.4130097 Y Course: 11.4130099	Course provides all students in an introduction to the principles of computer science and its place in the modern world. Helps students to use computers effectively in their lives. Student can acquire a fundamental understanding of the operations of computers and computer networks and create useful programs implementing simple algorithms. <i>(First course in the following pathway: Computing Career Pathway, Interactive Media Career Pathway, Computer Systems &amp; Support Career Pathway)</i>	Gr 9 - 12
<b>Fundamentals of Web Design</b>	A Course: 11.4310096 B Course: 11.4310097 Y Course: 11.4310099	Focuses on designing Web sites. Included are site planning, page layout, graphic design, and the use of markup languages. <i>(This is the second course within the Interactive Media Career Pathway.)</i>	Computing in the Modern World Gr 9-12
<b>Advanced Web Page Design</b>	A Course: 11.4320096 B Course: 11.4320097 Y Course: 11.4320099	Provides students with the study of advanced topics in web design. <i>(This is the third course within the Interactive Media Career Pathway.)</i>	Fundamentals of Web Design Gr 9-12
<b>Intro to Animation &amp; 3D Design</b>	A Course: 11.4280096 B Course: 11.4280097 Y Course: 11.4280099	Introduction to the animation and 3d design industry. The principles are applied to printed media, digital presentation media, and interactive media. <i>(This is a fourth supplemental course within the Interactive Media Career Pathway.)</i>	Web Design Gr 10-12
<b>COMPUTING CAREER PATHWAY</b>			
<b>Computing in the Modern World</b>	A Course: 11.4130096 B Course: 11.4130097 Y Course: 11.4130099	See Above Description	None Gr 9 - 12

<b>Beginning Programming</b>	A Course: 11.4180096 B Course: 11.4180097 Y Course: 11.4180099	Teaches students basic programming concepts, applied programming languages, software development, and database administration. <i>This is the second course in the Computing Career Pathway</i>	Computing in the Modern World or Computer Applications
<b>Intermediate Programming</b>	A Course: 11.4210096 B Course: 11.4210097 Y Course: 11.4210099	Deepens student understanding of computing. Learn key concepts of software engineering, graphical user interface & user interface design. Students will gain a deeper understanding of basic data structures & use them to solve more complex problems in a collaborative manner. <i>Third course in the Computing Career Pathway</i>	Beginning programming
<b>AP Computer Science</b>	A Course: 11.4160092 B Course: 11.4160093	This course conforms to the College Board syllabus for the Advanced Placement Computer Science Examination. It covers programming methodology, features of programming languages, fundamental data structures, algorithms, and computer systems. <i>This course can earn 4<sup>th</sup> Year Science credit.</i>	Gr 11-12

# CAREER, TECHNICAL & AGRICULTURAL EDUCATION CAREER PATHWAYS

## EDUCATION PATHWAY

<b>Examining the Teaching Profession</b>	13.4110099	Examining the Teaching Profession prepares candidates for future positions in the field of education. Teaching Profession candidates study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards. Candidates will be prepared to practice their skills and knowledge at a variety of elementary and secondary education sites	Gr 11-12
<b>Contemporary Issues in Education</b>	13.4120099	This course engages the candidate in observations, interactions, and analyses of critical and contemporary educational issues. The candidate will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States and actively examines the teaching profession from multiple vantage points both within and outside of the school. Against this backdrop, the candidate will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.	Gr 11-12
<b>Teaching As A Profession Internship</b>	13.5210099	The internship offers a candidate the Teaching as a Profession career pathway a field experience under the direct supervision of a certified teacher (mentor teacher). The internship stresses observing, analyzing, and classifying activities of the mentor teacher and comparing personal traits with those of successful teachers. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of special education students, maintain the safety of the students and practice professionalism and ethical behavior.	Gr 12

## COMPUTER SYSTEMS & SUPPORT CAREER PATHWAY

<b>Computing in the Modern World</b>	A Course: 11.4130096 B Course: 11.4130097 Y Course: 11.4130099	See Above Description	
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## BROADCAST & VIDEO PRODUCTION PATHWAY

<b>Broadcast Video I</b>	10.5111099	Develop skills in basic theory, practice, and operations of a television studio, the portable camera, and videotape editing. Through problem-solving activities, projects, and discussions, knowledge of how video/film affects life and society will be demonstrated. <i>First course in the Broadcast/Video Production Career Pathway.</i>	Gr 10-12
<b>Broadcast Video II</b>	10.5121099	Enhance level-one skills by providing more in-depth and specialized experiences in video and film equipment operation. <i>Second Course in the Broadcast/Video Production Pathway</i>	Broadcast/Video Production I

<b>Broadcast Video III</b>	10.5131099	Enhances level-two skills and provides entry-level occupational skills. <i>Third Course in the Broadcast/Video Production Pathway</i>	Broadcast/Video Production II
<b>Broadcast Video Applications</b>	10.5141099	Enhances level-three skills and provides instruction in producing a broadcast production. Students will be able to perform at an independent level of proficiency in an area of specialization <i>Supplemental course in the Broadcast/Video Production Pathway</i>	BVP 1-3
<b>ENGINEERING &amp; ARCHITECTURE PATHWAY</b>			
<b>Intro to Engineering, Drawing &amp; Design</b>	A Course: 48.5410096 B Course: 48.5410097 Y Course: 48.5410099	Introductory course and a pre-requisite to all other Engineering Design and Drawing courses. Emphasis is placed on safety, correct use of tools and equipment, drafting media, sketching, lettering, fundamentals of CAD and multi-view drawings. <i>(This is the first course within the Engineering Drafting and Design Pathway.)</i>	None Gr 9-12
<b>Architectural Drawing &amp; Design I</b>	A Course: 48.5450096 B Course: 48.5450097 Y Course: 48.5450099	Introduces students to the basic terminology, concepts, and principles of Architectural Design. Emphasis is placed on house designs, floor plans, roof designs, elevations sections and details and foundations. <i>(This is the second course within the Architectural Drawing &amp; Design Career Pathway)</i>	Intro to Eng, Drawing & Design Gr 9-12
<b>Architectural Drawing &amp; Design II</b>	A Course: 48.5460096 B Course: 48.5460097 Y Course: 48.5460099	Builds on the skills taught in Architectural Drawing & Design I. Emphasis is placed on schedules, plumbing, heating & air, graphic presentations, plot/site plans, specifications & building estimations. While the term computer-aided design (CAD) does not appear in each competency, CAD tools & software should be used extensively throughout the course. <i>Third course in the Architecture, drawing &amp; Design Pathway.</i>	Architectural Drawing & Design I
<b>ENGINEERING GRAPHICS &amp; DESIGN PATHWAY</b>			
<b>Intro to Engineering, Drawing &amp; Design</b>	A Course: 48.5410096 B Course: 48.5410097 Y Course: 48.5410099	See Above Description	None Gr 9-12
<b>Survey of Engineering</b>	A Course: 48.5420096 B Course: 48.5420097 Y Course: 48.5420099	Survey of Engineering Graphics <b>develops skills in dimensioning, tolerancing, pictorials, sections, auxiliary views, and intersection and developments. CAD tools and software are used extensively throughout this course.</b> <i>(This is the second course within the Engineering Graphics and Design Pathway.)</i>	Introduction to Engineering Drawing and Design
<b>3D Modeling</b>	A Course: 48.5430096 B Course: 48.5430097 Y Course: 48.5430099	3D Modeling and Analysis <b>is designed for students who are interested in mechanical drafting areas that provide more in-depth study of mechanical design. Emphasis is placed on 3-D drawings, wire frames, rendering, solid modeling, and graphic presentations.</b> <i>(This is the third course within the Engineering Graphics and Design Pathway.)</i>	Survey of Engineering Graphics

## GOVERNMENT & PROTECTIVE SERVICES

<b>Introduction To Law &amp; Justice</b>	A Course: 43.4300096 B Course: 43.4300097 Y Course: 43.4300099	Course examines the basic concepts of law related to citizens' rights & officers' responsibilities to maintain a safe society. This course begins with a study of various careers in public safety. The course will explore the history & development of law enforcement in the United States. Students will examine the components of the criminal justice system, including the roles & responsibilities of the police, courts & corrections. Students will learn the classification & elements of crimes. Career planning & employability skills will be examined. <i>First course in the Law &amp; Justices Career Pathway</i>	None Gr 9-12
<b>Law, Community Response &amp; Policing</b>	A Course: 43.4350096 B Course: 43.4350097 Y Course: 43.4350099	Emphasizes the structure of the American legal system while examining constitutional legal issues. Students will explore the difference between common and statutory law in the context of how legal precedent is established. Explore the rights of citizens guaranteed by the United States & Georgia. Evaluate the powers granted to the police & the restrictions placed upon them by the respective constitutions and their amendments. Students will attain skills for dealing with disasters & emergency situations. <i>Second course in the Law &amp; Justice Career Pathway</i>	Introduction to Law & Justice
<b>Criminal Investigations &amp; Forensics</b>	A Course: 43.4330096 B Course: 43.4330097 Y Course: 43.4330099	Provide students with an opportunity to explore the basic processes and principles of forensic science as it relates to criminal investigation. Students will learn the importance of the identification, collection & processing of evidence and of its contribution to the criminal investigation. Students will also learn of the legal responsibilities and challenges which the forensic investigator may encounter, and the role of the criminal investigator. <i>Third course in the Law &amp; Justice Career Pathway.</i>	Law, community Response & Policing

## INTERIOR DESIGN CAREER PATHWAY

<b>Foundations of Interior Design</b>	A Course: 20.4410096 B Course: 20.4410097 Y Course: 20.4410099	This course introduces the student to the basic fundamentals of design and the interior design profession. The skills taught throughout the course will allow the student to investigate and explore the various careers within the aspects of interior design. Students will gain knowledge of the history of interior furnishings. Basic mathematics, British language arts and science skills will be incorporated throughout the curriculum. Individual work, teamwork and presentation skills will also be incorporated into the curriculum. Upon completion of the interior design curriculum, students will have acquired the basic skills that will allow them to make a well educated move to the post secondary level. <i>One of three courses in the Interior &amp; Fashion Design Career Pathway</i>	GR 9 - 12
<b>Interior Design Furnishings, Materials &amp; Components</b>	A Course: 20.4420096 B Course: 20.4420097 Y Course: 20.4420099	Introduces the student to a wide array of building fixtures, furnishings, & equipment used in the industry. Students will learn to read scaled floor plans, estimate quantity & understand specifications for residential & commercial products. <i>One of three courses in the Interior &amp; Fashion Design Career Pathway</i>	Gr 9 - 12
<b>Textile Science</b>	A Course: 20.4470096 B Course: 20.4470097 Y Course: 20.4470099	The textile science course introduces students to the fascinating world of fabrics, fibers, dyes and fabric construction. Textiles for apparel, interior furnishings, and industrial applications are investigated. Testing methods, labeling laws, trends, applications, and color forecasting are all included. Various career paths will be researched to determine educational levels, salary expectations, and growing industry demand. Projects will involve individual work, team work, verbal presentations, fabric swatches, and computer application. <i>One of three courses in the Interior Design &amp; Fashion Career Pathway.</i>	Gr 9 -12

## CULINARY ARTS CAREER PATHWAY

<b>Intro to Culinary Arts (Foods)</b>	A Course: 20.5310096 B Course: 20.5310097 Y Course: 20.5310099	Designed to introduce students to fundamental food preparation terms, concepts, and methods in culinary Arts where laboratory practice will parallel class work. <i>(This is the first course within the Culinary Arts Career Pathway.)</i>	None Gr 9-12
<b>Culinary Arts I</b>	A Course: 20.5321096 B Course: 20.5321097 Y Course: 20.5321099	Prepares students for employment in a wide spectrum of food industry careers. The course of study includes the development of skills in food safety and sanitation, accident & injury prevention, kitchen basics, operating and maintaining commercial utensils and equipment, preparation of commercial food items, the art of service, controlling costs, food management functions, and customer relations. <i>(This is the second course within the Culinary Arts Career Pathway.)</i>	Intro to Culinary Arts Gr 9-12
<b>Culinary Arts II</b>	A Course: 20.5331096 B Course: 20.5331097 Y Course: 20.5331099	An advanced and rigorous in-depth course designed for the student who has continued the Culinary Arts Pathway and wishes to continue their education at the post secondary level or enter the foodservice industry as a proficient and well rounded individual. Strong importance is given to refining hands on production of the classic fundamentals in the commercial kitchen. <i>Third course in the Culinary Arts Career Pathway</i>	Culinary Arts I Gr 9-12

## NAVAL CAREER PATHWAY

<b>NJROTC I/II (1st year ROTC Course)</b>	28.4210099 28.4220099	Includes the study of naval heritage, organization, sea power and naval history from colonial times to the 1850's, the study of naval ship missions and organization, an introduction to navigation and maritime geography, basic seamanship including rig and shipboard watch procedures, military drill with rifles, and physical development. Navy leadership principles will be applied to drills and unit organizational duties. An introduction to naval physical fitness and related health topics are covered. Other unit topics include a study of officer and enlisted programs, military drill, commands, and ceremonies. <i>(This is the first course within the Navy Career Pathway.)</i>	None GR 9-12
<b>NJROTC III/IV/V/VI (2nd &amp; 3rd year ROTC course)</b>	28.4250099 28.4260099	Deals with the study of geopolitics and opposing theories and the study of meteorology, astronomy, and naval electronics, which includes basic radar and sonar theory and electrical circuitry. Navy service and career programs, qualities of leadership, and military discipline involving the Code of Conduct are covered. Other topics presented are American democracy, naval history from the end of World War I to the end of World War II, fitness, and an introduction to land survival methods, fitness, and advanced military drill. <i>(This is the third course within the Navy Career Pathway.)</i>	Naval ROTC I /II GR 10-11
<b>NJROTC VII/VIII (4th year ROTC course)</b>	28.4270099 28.4280099	The study of navy career fields for officer and enlisted specialists and it introduces students to national security strategies modern naval conflicts and defense strategy. Naval history from 1950 to the end of the Vietnam period is focused upon, in addition to leadership, military justice, and the international laws of the sea. The development of naval weapons and introduction to gunnery and guided missiles are emphasized, as well as maritime logistics, naval research and development, navy fitness testing, and advanced military drill. Voice commands are introduced to the drills, commands and ceremonies unit. <i>(This is the fourth course within the Navy Career Pathway.)</i>	Naval ROTC III/IV/V/VI Gr 12

## GRAPHIC COMMUNICATIONS CAREER PATHWAY

<p style="text-align: center;"><b>Intro to Graphics &amp; Design</b></p>	<p>A Course: 48.5610096 B Course: 48.5610097 Y Course: 48.5610099</p>	<p>First in a series of courses that prepares the student for employment or entry into a postsecondary education program in the graphic communications career field. Topics to be covered include: Introduction to Graphic Communication Career, Digital File Preparation, Press Operations, Measurement, Safety and First Aid, and Math for Printing. <i>This is the first course within both the Graphic Communications Career Pathway and the Graphic Design Pathway.</i></p>	<p style="text-align: center;">None Gr 9-12</p>
<p style="text-align: center;"><b>Graphic Design &amp; Production</b></p>	<p>A Course: 48.5620096 B Course: 48.5620097 Y Course: 48.5620099</p>	<p>Provides an opportunity for the student to gain fundamentals of graphic communication, which leads to the completion of standards for the PrintEd accreditation requirement for Introduction to Graphic Communication instructional area. Topics include: Image Capture, Digital File Output, Illustration, Page Layout, Press Operations, Job Application and Interpersonal Skills. <i>This is the second course within the Graphic Communications Career Pathway &amp; The Graphic Design Pathway).</i></p>	<p style="text-align: center;">Intro to Graphics &amp; Design</p>
<p style="text-align: center;"><b>Advanced Graphic Design</b></p>	<p>A Course: 48.5280096 B Course: 48.5280097 Y Course: 48.5280099</p>	<p><b><i>Students will continue to explore the principles of design and layout procedures as they relate to graphic design. (This is the third course within the Graphic Design Pathway</i></b></p>	<p style="text-align: center;">Intro to Graphics &amp; Design &amp; Graphic Design &amp; Prod</p>

# PHYSICAL EDUCATION ELECTIVE COURSES

<b>Health</b>	17.0110098	Provides a direct and factual approach to health education that is practical, personal, and positive. Health topics include safety, drug education, nutrition, personal health, growth and development building self-esteem and relationship skills. By acquiring the knowledge, attitudes, and skills necessary to a healthful life, students learn to take responsibilities for their own health.	Gr 10-12 Required for Graduation
<b>BPE</b>	36.0510098	Designed to help students understand why exercise and fitness are important in developing a healthy and active lifestyle. The course will emphasize successful strategies for maintaining good cardiovascular endurance, flexibility, muscular strength, muscular endurance and body composition. It will follow a conceptual approach dealing with the following topics: the nature of fitness, assessing individual fitness, developing and maintaining a life-long fitness program, and developing an appreciation for efficient movement by viewing it as both an art and a science. Fitness progress and assessments will be made utilizing Fitness Gram to determine cardiovascular fitness levels and their relation to the individual's target heart rate zone.	Gr 11-12 Required for Graduation
<b>Weight Training</b>	36.0540099	Designed to introduce students to a weight-training program that will promote over-all body fitness. The student will be exposed to different types of weight equipment and methods of training with weights. The student will also gain knowledge of the different types of exercises, correct techniques of executing the various exercises, proper breathing, and the safety factors involved in spotting.	None Gr 9 <sup>th</sup>
<b>Advanced Weight Training</b>	36.0640099	Designed to introduce students to a weight-training program that will promote over-all body fitness. The student will be exposed to different types of weight equipment and methods of training with weights. The student will also gain knowledge of the different types of exercises, correct techniques of executing the various exercises, proper breathing, and the safety factors involved in spotting.	None Gr 10 <sup>th</sup>
<b>Advanced Personal Fitness</b>	36.0610099	Designed to help students understand why exercise and fitness are important in developing a healthy and active lifestyle. The course will emphasize successful strategies for maintaining good cardiovascular endurance, flexibility, muscular strength, muscular endurance and body composition. It will follow a conceptual approach dealing with the following topics: the nature of fitness, assessing individual fitness, developing and maintaining a life-long fitness program, and developing an appreciation for efficient movement by viewing it as both an art and a science.	None Gr 11 <sup>th</sup>
<b>Advanced Physical Conditioning</b>	36.0620099	Provides opportunities for students to participate in a variety of activities to enhance flexibility, muscular strength and endurance, cardiovascular endurance and body composition. Includes fitness concepts for the development of healthy lifetime habits and assessment of personal fitness levels.	None Gr 12 <sup>th</sup>
<b>Team Sports</b>	A Course: 36.0210096 B Course: 36.0210097 Y Course: 36.0210099	Designed to introduce students to various team sports, with no one sport less than 2 weeks or longer than 4 weeks. Those from which the selection is made include the following: basketball, gym hockey, soccer, flag football, ultimate Frisbee, team handball, softball, and volleyball. Others may be substituted depending upon facilities and equipment.	None Gr 9-12

# PHYSICAL EDUCATION ELECTIVE COURSES (Con't)

<b>Lifetime Sports</b>	A Course: 36.0220096 B Course: 36.0220097 Y Course: 36.0220099	Designed to introduce students to three different lifetime sports with no one sport less than 2 weeks and not more than 4 weeks. Those from which the selection is made include the following: archery, badminton, bowling, golf, handball, pickleball, racquetball, table tennis, and tennis and wall ball. Others may be substituted depending upon facilities and equipment. This course will offer students the opportunity to learn the history, rules and regulations, etiquette, strategy and judgment, and the basic motor skills of each selected activity.	None Gr 9-12
<b>Outdoor Education</b>	36.0250099	Promotes an appreciation of the outdoors; provides physical activities and adventure in an outdoor laboratory. The course activities include: archery, fishing, outdoor cooking, orienteering, hiking and conservation and survival skills.	None Gr 9-12
<b>Principles of Athletic Training/Sports Medicine</b>	36.0150099	Designed as an introduction to the fields of sports medicine and athletic training. It will provide the student with basic information relevant to the prevention, recognition, first aid, referral and rehabilitation of athletic injuries.	None Gr 9-12
<b>First Aid &amp; Safety (Sports Med II)</b>	17.0130099	An extension of the introductory course in Sports Medicine and athletic training. It will provide a more in-depth examination of athletic training, sports medicine and sports injury assessment and management. Field experiences may be a part of the course requirements depending upon facilities and opportunities available to the class and instructor.	Sports Medicine I

# MISCELLANEOUS ELECTIVE COURSES

RESOURCE <i>(Need Department Approval)</i>			
<b>Study Skills I thru IV</b>		Taught by a special education teacher to make needed adjustments in methodology and/or management.	IEP Recommendation 9th Grade
<b>Social Skills</b>		Taught by a special education teacher to make needed adjustments in methodology and/or management.	IEP Recommendation
<b>Current Topics in Reading I thru IV</b>		This elective class provides fundamental skills development in all areas of literacy. It includes drill and practice opportunities in writing, organizing, speaking, reading and thinking.	IEP Recommendation

## MISCELLANEOUS

<b>Mentorship</b>	70.0110099	Enables students to serve as an administrative aide during one period of the daily schedule. Junior or Senior with 2.5 GPA Cannot take the same semester as Minimum Day.	Gr 12 + 2.5 GPA + No Discipline
<b>Minimum Day</b>	00.1212000	APPLICATION REQUIRED. Cannot take in combination with Mentorship Gr 12 ONLY	Gr 12 + On Track for Graduation + Application
<b>Internship</b>	70.0210099	Course that enables students to participate in a mentor-supervised, on-the-job training experience for career awareness/exploration. Students select a specific career field or industry's entry-level job in which to participate. The Work-based Programs Teacher-Coordinator visits the job mentor to assess student performance and supervises the student in job search skill development. The student maintains a weekly journal, records weekly hours on the job, and must complete program participation forms	Gr 11-12 + On Track for Graduation + Application
<b>AVID I</b>	A Course: 35.0610016 B Course: 35.0610017 Y Course: 35.0610019	<u>AVID I</u> provides support for the college preparatory student including instruction in writing, inquiry, and collaboration skills, Cornell note-taking, oral language and speaking, test preparation, research, college and career studies, and academic motivational activities.	Request/ Recommendation
<b>AVID II</b>	A Course: 35.0620016 B Course: 35.0620017 Y Course: 35.0620019	<u>AVID II</u> extends year one support for the college preparatory student. Includes instruction in writing, inquiry, and collaboration skills, Cornell note-taking, oral language and speaking, test preparation, research, college and career studies, and academic motivational activities.	Request/ Recommendation
<b>AVID III</b>	A Course: 35.0630016 B Course: 35.0630017 Y Course: 35.0630019	<u>AVID III</u> provides support for the college preparatory student including instruction in writing, inquiry, and collaboration skills, Cornell note-taking, oral language and speaking, test preparation, research, college and career studies, and academic motivational activities.	Request/ Recommendation
<b>AVID IV</b>	A Course: 35.0640016 B Course: 35.0640017 Y Course: 35.0640019	<u>AVID IV</u> provides support for the college preparatory student including instruction in writing, inquiry, and collaboration skills, Cornell note-taking, oral language and speaking, test preparation, research, college and career studies, and academic motivational activities.	Request/ Recommendation