KELLOGGSVILLE

HIGH

SCHOOL

CURRICULUM

GUIDE

2021-2022

KELLOGGSVILLE HIGH SCHOOL

Curriculum Guide 2021-22

Mission Statement

"The high school community will provide all students with a solid foundation for lifelong success."

Schedule Changes

Since Kelloggsville students have the opportunity to select their classes each year, it is felt that they are choosing courses of interest to them. Consequently, they should be willing to put forth the time and effort it takes to succeed in a particular course of study. Courses can only be added or dropped if they directly affect their graduation status. Counselors reserve the right to make changes to students' schedules as they are needed. Schedule changes need to be completed within the first three days of a semester.

Minimum Classes Required

All students will be scheduled for a minimum of six (6) classes each semester.

Michigan Merit Curriculum High School Graduation Requirements

Students earn .5 credits per semester if a class is successfully passed. Students must earn a minimum of 22 credits to graduate (18 in required areas + 4 in electives).

Core requirements:

Mathematics - 4 credits
- Algebra I
- Algebra II
- Geometry
- Math Elective (senior year)

English Language Arts – 4 credits
- English 9
- English 10
- English 11
- English 12

Science – 3 credits
- Chem.
- Biology
- Science elective

Social Studies - 3 credits
- World History and Geography
- U.S. History and Geography
- Civics/Economics

Physical Education - .5 credit
Health - .5 credit
Visual, Performing & Applied Arts – 1 credit
World Language – 2 credits*
*Both credits must be of the same language
Contact the counseling office regarding the Second –year World Language exception.

Number of credits per semester/grade

	1st semester (December)	2nd Semester (June)
9th grade:	3 credits	6 credits
10th grade:	9 credits	12 credits
11th grade:	15 credits	18 credits
12th grade:	21 credits	24 credits

GPA

GPA (grade point average) is based on a weighted 4.0 scale. Students will receive a GPA each semester, as well as a running cumulative GPA. Letter grades are given for every course, unless it has been predetermined that a student will earn a "CR" (credit) or "NC" (no credit). AP level classes are on a 5.0 scale.

A (4.0)	**B+ (3.3)**	**B- (2.7)**	**C (2.0)**	**D+ (1.3)**	**D- (0.7)**
A- (3.7)	**B (3.0)**	**C+ (2.3)**	**C- (1.7)**	**D (1.0)**	**E (0.0)**

Class Rank

Class rank is based on cumulative GPA at the end of the school year. To be considered for class rank, a student must attend Kelloggsville High School full time. Final class rank is determined at the end of first semester senior year. A student must have attended Kelloggsville High School for his or her final three semesters to be included (junior year and first semester of senior year). Students who graduate prior to senior year are not ranked with the graduating class.

Michigan Virtual Courses

All courses are provided via the computer. Courses range from a traditional semester course, courses that are completed in 90 days, and Advanced Placement, courses that provide students an opportunity to earn college credit. A signed parent contract is mandatory. If a student does not complete or pass the class (D- or higher) the student is responsible for the cost of the course. Contact the counseling office for more information.

Dual Enrollment

Historically, Kelloggsville has allowed its students, while attending high school, to also attend classes at local colleges or universities in an effort to meet students' needs and interests.

- The student must be a high school junior or senior with a 2.5 cumulative GPA.
- The post-secondary courses for which state school aid funds are used must not be offered by the district.
- A student who meets all of the criteria outlined by the state may have one course paid for by the district per semester.
- A district shall pay tuition and fees not to exceed the lesser of 1) the actual charges; or 2) the foundation allowance adjusted for the proportion of the school year that the student attends the district.
- Students are responsible for any balance of tuition costs.
- Students are no longer eligible for dual enrollment when all high school requirements are met.
- Students are reminded that transportation to any of these sites is the responsibility of the student and family. Kelloggsville Public Schools does not provide busing for dual enrollment classes.
- Students must purchase their textbooks. The district does not pay for college texts.
- Students who fail or drop the course will reimburse Kelloggsville Public Schools the cost of tuition prior to graduation.
- Kelloggsville does offer dual enrollment courses at the high school through GRCC. Courses are EN101, EN102 and CLS100. If a student does not complete or pass the class (C or higher), student will reimburse Kelloggsville Public Schools the cost of tuition.

Kent Career Technical Center

Contact the counseling office for detailed program information or visit www.thetechcenter.org.

- Students must be in the 11th grade and be 16 by December 1 of the year of enrollment.
- 1st session 6:55 a.m. (bus leaves at approx. 6:20 a.m.) to 9:10 a.m.
- 3rd session 12:00 pm (bus leaves at 11:20) to 2:15p.m

Launch U

Launch U is a Kent ISD program that offers students the opportunity to earn an Associate Degree in Mechanical Design from GRCC while earning their high school diploma. Students begin the program in 10th grade, continue through high school and finish after one additional year at GRCC. For more information, contact Mr. Linker.

Testing Out Program

According to Michigan Merit Curriculum Law, Sec. 1278(a)(4)(c), "A school district or public school academy shall also grant a student credit if the student earns a qualifying score, as determined by the department, on the assessments developed or selected for the subject area by the department or the student earns a qualifying score, as determined by the school district or public school academy, on one or more assessments developed or selected by the school district or public school academy that measure a student's understanding of the subject area content expectations or guidelines that apply to the credit."

If using a final exam to measure proficiency, a student must attain a grade of no less than a C+, or if there is no final exam, by exhibiting that mastery through the basic assessment used in the course which may consist of a portfolio, performance, paper, project, or presentation. This law also requires that credits earned through testing out not be included in a computation of grade point average for any purpose.

Testing days are the week before school (for first semester) and the last week of the first semester (for second semester). Testing times can be arranged by the student with the subject's department head.

COURSES FOR 2021-22

VISUAL, PERFORMING, AND APPLIED ARTS COURSES

Art I **9, 10, 11, 12** **1 credit**

Art 1 is a course for students to discover the variety art has to offer through learning techniques in all the art medias. Students will learn techniques in drawing, painting, sculpture, clay, computer, and more. Most importantly, students will learn to develop an appreciation of self-expression and visual arts. Students will be graded on participation and discovery, rather than perfection. Art I builds confidence and self-expression. Honors designation is available.

Art II **10, 11, 12** **1 credit**

Prerequisites: Art I, and teacher recommendation

Art II is for students who have taken Art 1 and want to develop skills, techniques, and learn more about visual arts. Students will find the ability to express their ideas through a broader variety of techniques such as drawing, sculpting, painting, textiles, computers, etc. Students who enroll in Art 2 are required to participate in art show and other enriching activities. Honors designation is available.

Studio Art **11, 12** **1 credit**

Prerequisites: Successful completion of Art I or currently in Art II, and teacher recommendation

Studio Art is for students who show a continued interest and high degree of understanding, skill, and art appreciation. This course is for the in-depth personal application of art, history, aesthetics, and portfolio preparation. This course may be repeated for credit. Honors designation is available.

(VPFA courses continued)

Graphics & Web Design **9, 10, 11, 12** **1 credit**

This course is designed for students who have an interest in graphics and web page design. Google, Moodle, Adobe Photoshop, Adobe Dreamweaver, Adobe Flash, and the internet are the primary resources and tools used to produce various projects including calendars, webpage design, web elements, , programs, brochures, flyers, booklets, posters, projects for KHS, create a business, and much more. The students will have access to digital cameras to meet certain goals.

Graphics & Web Design II **10, 11, 12** **1 credit**

Prerequisite: Successful completion of Graphics and Web Design

This course is designed for students who have already taken and maintained a B or higher in Graphics and Web Design. Moodle, Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver, and the internet are the primary resources and tools used to produce various advanced projects including Typography, Marketing/Advertising, Digital photography, and much more. The students will have access to digital cameras to meet certain goals. A short list of students, selected by teacher, will be able to work on yearbook design. This course can be repeated for credit with teacher permission.

AV Broadcasting **10, 11, 12** **1 credit**

This class is a media and broadcasting class designed to provide students with a groundwork in various forms of media, including writing, videography, broadcasting, and public speaking. This course will have two focuses. The first is to develop the skills necessary to run a news, sports broadcast, and will cover topics such as interviewing, videography, photography, and familiarity with U.S. and world news. The second is to use editing software to create creative videos with a variety to topics, including a PSA and short film. Students will have the opportunity to present their work to the student body via YouTube broadcast.

Filmmaking **11, 12** **1 credit**

Prerequisite: Graphics and Web Design

In Filmmaking, students will learn the different aspects of becoming a writer, editor, producer, director, and actor. They will take part in creating multiple projects, from 30-second films to music videos. Students will also participate in improv to develop their acting skills and become comfortable with their fellow classmates. Students will learn video editing programs in order to edit and create their videos. There are student video contests throughout the year that students will enter and represent Kelloggsville.

Symphonic Band **9, 10, 11, 12** **1 credit**

Prerequisite: Students must have successfully completed band in middle school or must schedule an audition and have director approval.

This course is open to students who play a wind or percussion instrument. Students will gain an understanding for the art of music through rehearsing, performing, listening, practicing, and studying. Assessments will be given both as written tests and playing tests. Music fundamentals taught are tone, intonation, rhythm, technique, interpretation, balance, blend, and quality performance. Marching fundamentals taught are: drill chart reading, roll step, mark time, facings, 8 to 5 marching, adjusted step size, instrument carriage, and proper posture. Performances include all home football games, Marching Band Festival, Saturday competitions, concerts, parades, Symphonic Band Festival, and graduation. Two performances in a solo or ensemble in separate years is required. Late July band camp and numerous evening rehearsals are also required. All performances, band camp, and evening rehearsal are required for credit. Honors designation requires two performances in solo & ensemble (solo) along with other requirements.

Rocket Choir **9,10,11,12** **1 credit**

This course is open to men and women beginning in their choral studies. Students will be taught basic music theory, music history, music appreciation, and vocal pedagogy. Musical growth will be assessed periodically through written and singing tests. Performance is an important element in the course, and students must be willing to spend time performing outside of the class hour. Performances include fall, winter, and spring concerts, graduation, and various community events. All performances are required but are scheduled early to ensure compliance with other activity schedules.

(VPFA courses continued)

Concert Choir **9, 10, 11, 12** **1 credit**

Prerequisite: Successful completion of prior choir class.

This course is open to men and women who wish to take the next step in vocal performance and strive for excellence in vocal ensemble. Everyone who wishes to be in concert choir must have previous choral experience, whether at KHS, KMS, or at another district. Students will be challenged to grow in their musical potential through rehearsal, performance, practice, and individual study. Musical growth will be assessed periodically through written and singing tests. Students will be taught basic music theory, music history, music appreciation, and vocal pedagogy. Performance is an important element in this course, and students must be willing to spend time performing outside of the class hour. Performances include fall, winter, and spring concerts, District 10 M.S.V.M.A. Choral Music Festival, graduation, and various community events. All performances are required but are scheduled early to ensure compliance with other activity schedules. Prerequisite: Successful completion of prior choir class.

Ladies' Chorus **9, 10, 11, 12** **1 credit**

Prerequisite: Successful completion of prior choir class, as well as audition-based director approval.

This course is open to women by audition only. Experience in choir and vocal activities is required. This class is for students who have a passion for music and a willingness to improve their musical abilities. Students will be challenged to grow in their musical potential through rehearsal, performance, practice, and individual study. Musical growth will be assessed periodically through written and singing tests. Students will be taught basic music theory, music history, music appreciation, and vocal pedagogy. Performance is an important element in the course, and students must be willing to spend time performing outside of the class hour. Performances include fall, winter, and spring concerts, District 10 M.S.V.M.A. Choral Music Festival, graduation, and various community events. The expectations of this course are high and the group is expected to be successful in all facets of music. All performances are required but are scheduled early to ensure compliance with other activity schedules.

Music Appreciation **9, 10, 11, 12** **1 credit**

This course is designed to educate the students in the core principles of music theory and music history, as well as open their eyes to the wide variety of music styles in the world today and throughout history. These principles will be learned through a combination of textbook reading, listening exercises, ear training, various projects, and classroom participation.

WORLD LANGUAGE COURSES

German I **9,10,11,12** **1 credit**

The first year of German aims to build a vast vocabulary to get the student started speaking the German language. Topics studied include school, family, hobbies, clothing, home, food and weather. Important expressions will be learned to help the students introduce themselves and ask basic questions. Some German holidays and customs will be celebrated. Basic grammatical structures will be introduced to get the student started writing simple sentences.

German II **10, 11, 12** **1 credit**

The second year of German builds on many of the topics learned in German 1, but with a greater emphasis on conversational skills. More opportunities for speaking and engaging in dialogue will give the students confidence in using the language to inquire and inform. Increased lessons on grammar will aide in written expression. New topics include past and future tenses, careers, travel, geography, animals and nature.

Spanish I **9, 10, 11, 12** **1 credit**

In the first year of Spanish, the student is exposed to basic vocabulary and grammar that will provide them with the necessary language tools for novice Spanish conversation. The students will begin to develop basic writing, speaking and listening skills and will be exposed to cultural similarities and differences.

(World Language courses continued)

Spanish II **10, 11, 12** **1 credit**

In the second year of Spanish, the student will continue to be exposed to basic vocabulary and grammar that will provide necessary language tools for intermediate Spanish conversation. Students will continue to develop basic writing, speaking and listening skills. In addition, they will continue studying cultural similarities and differences and begin reading for comprehension the Spanish language.

Spanish III **11, 12** **1 credit**

Prerequisite: Successful completion of Spanish II with a "C" average or better OR teacher approval.

In the third year of Spanish, the student will develop more advanced vocabulary and grammar that will provide them with the necessary language tools for intermediate and pre-advanced Spanish conversation. The students develop and use more advanced writing, speaking and listening skills. They will continue learning cultural similarities and differences, reading for comprehension through the use of authentic materials. More emphasis is placed on speaking and listening in Spanish.

Spanish IV **1 credit**

Prerequisite: Successful completion of Spanish II with a "C" average of better OR teacher approval.

In the fourth year of Spanish, the student will review what they have learned in the previous levels and apply it to more rigorous and accelerated grammar, reading, writing, speaking and listening skills. Emphasis is placed on conversation, vocabulary and the correct usage of the language. Correct pronunciation and oral proficiency are primary goals.

Native Spanish **9.10.11.12** **2 credits**

This course is for Native Spanish speakers. First semester covers Spanish I and second semester will cover Spanish II.

ENGLISH LANGUAGE ARTS COURSES

Language Proficiency **9,10,11,12** **1 credit**

This class is designed to help English Learners develop their vocabulary, reading, and critical thinking skills. Students enrolled in this class also have time to work on their homework for other classes and can receive help on their homework if needed.

English Language Arts for English Learners **9,10,11,12** **1 credit**

This class is designed to help English Learners develop their listening, reading, writing, speaking, and critical thinking skills. Students learn vocabulary connected to various texts, read texts from various genres, and learn writing skills connected to the texts. Students have opportunities to read aloud to develop their reading fluency and pronunciation. Students also have opportunities to present information in front of the class to help them gain confidence in speaking English.

Assisted Reading **9, 10** **1 credit**

This course offers students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently.

English 9 **9** **1 credit**

This course will include literature, grammar, and composition. The literature section will examine various forms of literature such as the short story, poetry, novel, drama, and non-fiction. Students will examine grammar, usage, and mechanics throughout the course. The course will also include an emphasis on vocabulary. In composition, there will be a study of the writing process with its various modes of writing. Developing coherence and unity in writing paragraphs will be emphasized.

(English Language Arts courses continued)

English 10 **10** **1 credit**

This course is a combination of the study of literature, composition, and grammar. Several novels will be read, along with short stories and informational texts. Composition will be taught in connection with the literature. A strong focus will be on paragraph writing, persuasive writing, and timed writes. The correct forms of grammar usage, mechanics, and vocabulary will be taught and practiced.

(English courses continued)

English 11 **11** **1 credit**

This course is a combination of the study of literature, composition, informational reading, speaking skills, text analysis, and mechanics and usage. The majority of the first semester focuses heavily on standardized test preparation. These skills will then be practiced throughout the year. Literature will be studied by reading various short stories, articles, novels, and biographies. The course will also include an emphasis on vocabulary.

English 12 **12** **1 credit**

This course focuses on multicultural literature from all parts of the world. Students will explore writing styles, elements of literature, and facets of culture. Composition will be taught in connection with literature.

GRCC EN101 **12** **1 credit**

Prerequisite: GRCC enrollment application completed; Accuplacer test taken in Reading & Writing; Cumulative GPA of 2.5 or higher; ELA GPA of 3.0 or higher

EN 100/101 emphasizes personal narratives and autobiographies to help students find and express their own voices. Assignments will include a variety of writing. Professors will select a combination of assignments from the following: free-writing, journals, short scripts, personal essays, expanded autobiographies such as oral histories, career-research papers and I-centered research (I-centered research is defined as a research paper in which the student investigates a topic of personal interest). The required research paper must be at minimum 4-5 pages in length (excluding the Works Cited page). These writings will increase students' awareness of voice and improve their understanding of how writers adapt language for specific audiences and use various public forms and conventions. Students must pass the first semester of the sequence with a C+ before enrolling in the second semester.

GRCC EN102 **12** **1 credit**

Prerequisite: Final grade of "C+" or better in EN 100/101 or its equivalent.

EN 102 will continue the personal approach, but quickly move from the subjective to the objective by asking students to take into account perspectives other than their own – gradually moving to a larger context: social, academic, political, and literary. Assignments will include a variety of writing. Professors will select a combination of assignments and essays from the following: career research, interviews, revision of I-centered research into research that is more formal, argumentation, literary criticism, collaborative writing assignments, and revision of personal essays into works of fiction. One academic or interdisciplinary research paper of 4-5 pages (excluding the Works Cited page) is required.

CLS100 **12** **1 credit**

This course runs concurrently with EN101 & 102 and is designed to assist new students with the knowledge, skills and abilities needed to successful in college and life. Topics will include learning styles, critical thinking, information management skills, GRCC history and services, study skills, values exploration, academic planning, career planning, civic engagement and diversity.

MATHEMATICS COURSES

Algebra I **9** **1 credit**

Algebra I features essential foundational algebraic concepts that are needed for higher-level mathematics classes. Students will develop problem solving skills, methods of reasoning, and the ability to think logically through a mathematical situation by manipulating constants and variables through real life scenarios. These skills will be enhanced through the study of the following topics: solving equations and inequalities, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations. **This is a core, required class for graduation.**

Algebra II **10** **1 credit**

Students will build on knowledge from Algebra I. Some of the topics covered will include quadratic relations, interpreting and building functions, seeing structure in expressions, and trigonometric functions. **This is a core, required class for graduation.**

Geometry **11** **1 credit**

Geometry is the course that prepares students to understand the world around them through the study of shapes and spatial relationships. Geometry will include exploration of the following topics: reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similar figures, right triangles and trigonometry, transformations, area, surface and volume, and circles. **This is a core, required class for graduation.**

Pre-AP Calculus **11, 12** **1 credit**

Teacher recommendation.

Pre-AP Calculus is a course targeted to prepare students for the rigor of AP Calculus AB. Some of the topics included in this course are radian and degree measurement, trigonometric functions, graphs of trigonometric functions, polynomial and rational functions, and exponential and logarithmic functions. It can be taken as a course to help prepare them for college courses or to prepare them for the following year of AP Calculus AB. Students completing this course will be awarded credit based on a 5.0 scale.

AP Calculus AB **12** **1 credit**

Teacher recommendation.

AP Calculus AB is structured around three big ideas: limits, derivatives, integrals, and the Fundamental Theorem of Calculus. The class is a college preparatory course that will prepare students for the rigor of college courses and with successful completion, students will have built self-confidence to take further college courses. Students will also have the option to take the College Board AP Calculus AB exam that will potentially earn them college credit, dependent on the score they receive on that exam and the college or university they plan to attend. Students completing this course will be awarded credit based on a 5.0 scale.

Personal Finance **12** **1 credit**

Prerequisite: 2 credits of mathematics and senior status

This class is designed for students to learn mathematic skills that will benefit them as consumers in today's society. Students will be provided with the fundamental knowledge they need to understand their options and to make reasonable decisions; numerous opportunities to experience how to apply this knowledge in real situations; and realistic decision-making activities that draw on a range of skills and understanding.

Statistics **11,12** **1 credit**

Prerequisite: Algebra 2

In this course, students will be introduced to various concepts in statistics. Students will learn appropriate methods for data collection, analyze that data in multiple variables, and test a claim based on that data. Students will also be introduced to basic probability, regression, and confidence intervals. Real life applications and projects will be utilized throughout the course to enhance student understanding.

(Math courses continued)

Introduction to Robotics **10,11,12** **1 credit**

In this course, students will learn basic skills required to build and program a robot. During the first semester, students will complete project-oriented activities in a small group setting. Concepts covered include programming using LabVIEW, CAD design, robot electrical systems, and robot construction. Students will learn how to use various metal and wood working tools. Members of the class are also expected to be members of the Robotics team. During the 2nd semester, students will construct and program a robot to compete in the game provided by the First Robotics Competition (FRC). The team will attend multiple competitions throughout 2nd semester and are expected to work after school and during lunch on the robot, as well. **Fulfills senior math.**

Introduction to Accounting **10,11,12** **1 credit**

This course is designed to introduce the fundamental principles of accounting used in businesses. Content may include topics such as payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles, prepare budgets, and final revenue/expenditure reports. The use of spreadsheets for data input and analysis is frequently used.

PHYSICAL EDUCATION/HEALTH COURSES

Physical Education **9, 10** **.5 credit**

Physical Education is designed to allow each student the opportunity to improve his or her personal fitness. The student will participate in a variety of leisure-time, team sport, and fitness activities. Students will also be tested in various physical fitness activities.

Health **9, 10** **.5 credit**

This class teaches the difference between a healthy and unhealthy lifestyle. The topics include sex education, STI's, tobacco, drugs, alcohol, exercise, nutrition, and lifelong activities. Students will engage in activities that encourage them to learn and achieve at high levels as they grow in ways that lead them to be healthy, responsible, and productive.

Strength & Conditioning **10, 11, 12** **.5 or 1 credit**

Prerequisite: Pass .5 credit of PE (or credit waiver or teacher permission

Advanced physical education is a semester class, which will emphasize weightlifting and conditioning. The student will learn the correct manner in which to lift weights, the muscles being used during each exercise, goal setting, agility drills, flexibility exercises, running skills, and the health benefits weightlifting brings. This class will benefit both the athlete and the student interested in improving their health. This course is an elective subject, and may be taken the fall semester, the spring semester, or both. This course may be repeated for credit if a student has received a grade of a C or better in the previous class of Strength & Conditioning and must have teacher permission. **Does not fulfill PE requirement needed for graduation.**

SCIENCE COURSES

Chemistry (Chem.) **9** **1 credit**

Chemistry takes an investigative approach to the study of matter. This lab/lecture format class will talk about composition, characteristics, and reactions involving matter. Chemistry focuses on basic chemistry concepts and the application of those concepts. This course is designed for students who are not focusing on a science-based career. Topics include matter and atoms, periodic table, formation of compounds, types of compounds, equations and reactions, and more.

Biology **10** **1 credit**

The purpose of this course is to prepare the student for a college biology class and meet the graduation requirement established by the State of Michigan. The course will provide a better understanding of one's self through the study of simpler forms of life. There is an emphasis on scientific terminology. A broad spectrum of topics will be covered: graphing, ecology, cells, genetics, evolution, photosynthesis, respiration, and kingdoms. The course includes individual work, labs, projects and group work.

Earth & Environmental Science **11, 12** **1 credit**

The purpose of this course is to explore the many components of planet Earth and the resulting environment. Topics to be covered include plate tectonics, rocks and minerals, landforms and topography, earthquakes and volcanoes, earth system cycles, oceans and hydrology, glaciers, and atmosphere and weather. Special attention will be paid to the potential causes and effects of climate change and the potential influence that humans have on different components of the earth and earth processes. Particular focus will be paid to state and local earth processes and the influence it has on the residents of Michigan. The class will incorporate hands-on activities, in-class and out of class labs assignments.

Pre-AP Chemistry **10, 11,12** **1 credit**

Pre-AP Chemistry is a course targeted to prepare students for the rigor of AP Chemistry. Some of the topics included in this course are naming and identifying chemical compounds, counting atoms and molecules, measuring units in chemistry, chemical reactions, thermochemistry, stoichiometry, limiting reactants, and laboratory practices. It can be taken as a course to help prepare them for college courses or to prepare them for the following year of AP Chemistry. Students completing this course will be awarded credit based on a 5.0 scale. Those interested in entering the medical field after college are strongly advised to take this class.

AP Chemistry **11,12** **1 credit**

Prerequisite: Pre-AP Chemistry

AP Chemistry is structured around the building depth to the knowledge gained during Pre-AP Chemistry. This course dives into electrochemistry, equilibrium, thermodynamics, and solubility. The class is a college preparatory course that will prepare students for the rigor of college courses and with successful completion, students will have built self-confidence to take further college courses. Students will also have the option to take the College Board AP Chemistry exam that will potentially earn them college credit, dependent on the score they receive on that exam and the college or university they plan to attend. Students completing this course will be awarded credit based on a 5.0 scale. Those interested in entering the medical field after college are strongly advised to take this class.

AP Biology **11, 12** **1 credit**

Prerequisite: Biology, Pre-AP Chemistry

AP Biology is designed to prepare students for the academic challenges of an introductory college biology course. This course covers the major biological areas of biochemistry, cellular biology, evolution, anatomy, pathology, inheritance, DNA, and ecology. The class is a college preparatory course that will prepare students for the rigor of college courses and with successful completion, students will have built self- confidence to take further college courses. Students will also have the option to take the College Board AP Chemistry exam that will potentially earn them college credit, dependent on the score they receive on that exam and the college or university they plan to attend. Students completing this course will be awarded credit based on a 5.0 scale. Those interested in entering the medical field after college are strongly advised to take this class.

(Science courses continued)

Physics **10, 11, 12** **1 credit**

Physics is a course designed to give the student experience applying basic Physics principles in theory and laboratory experiments. Algebraic formulas are used in this course to describe many phenomena. The purpose of this course is to prepare students for an entry-level physics course in college or Advanced Placement Physics. Topics covered include motion, forces, energy, collisions, wave motion, and relativity theory. Any student interested in pursuing a career in engineering, health (doctor, nurse, physical therapy), architect or building trades should take this course.

Anatomy & Physiology I **10, 11, 12** **1credit**

Prerequisite: Successful completion of Biology and Chemistry. Could take Chemistry at the same time after talking to the Anatomy teacher.

A student interested in taking this course should have earned C's or better in their previous science classes. This course will help students develop a better understanding of themselves through a study of the body's parts, functions of those parts, and disorders associated with those parts and systems. There are a series of dissections to complete including: a cat or mink, sheep and or cow parts (heart, brain, spinal cord, kidney, and eye). This class provides an excellent base for college-bound students interested in any of the sciences as a career choice. It also helps the student become a much more informed individual about the workings of their own body.

Anatomy & Physiology II **11, 12** **1 credit**

Prerequisite: Anatomy & Physiology I

A student will explore the systems of the body in more detail. The students will have the opportunity to view a virtual cadaver (a real dead person online). There is a workbook to purchase, and the school provides for the online material. Most work is done independently with the supervision of a teacher. This class will give the students a strong understanding of different systems of the body in preparation for anatomy & physiology at the college level. It will also help them explore to see if the medical field is for them.

SOCIAL STUDIES COURSES

World History/Geography **9** **1 credit**

This is a survey course designed to prepare students for the high school competency test. The course examines societal development from the post-Roman era to the present with an emphasis on emerging ideologies, expansion of empires, growth of nations, and an increase of global interdependence. Students develop an understanding of current world issues and relate them to their historical, geographical, political, economic, and cultural contexts.

U.S. History/Geography **10** **1 credit**

The purpose of this course is to increase the student's knowledge of historical events, sharpen their skills in evaluating information, and deepen their understanding of the American heritage. Units of study for this course might include the Imperialism, the Last Frontier, Progressive Reform, WWI, Normalcy and Depression, World War II, the Cold War, Civil and Social Movements of the 50's and 60's, and events of the 70's, 80's, 90's to present. This course is a survey of historical events during a given period of our nation's history with an emphasis on in-depth study into such topics as the struggle for racial equality, organized labor, advancement of technology, and the changing roles of women.

Economics **11** **.5 credit**

The purpose of this course is to increase the student's knowledge of choices and decisions people make about how to use the world's scarce resources. The course will cover basic economic principles, the stock market, and free enterprise in the U.S., the basics of demand, supply, and market-clearing prices, as well as a special focus on personal finance that will cover the basics of investing and fiscal responsibility. This course will include an investigation of career pathways.

(Social Studies courses continued)

Civics **11** **.5 credit**

Students will concentrate on the Constitution and the national government created by it. The three major branches of government will be investigated in detail. The branches are the executive, legislative, and judicial. Emphasis will be made not only on form and functions of the national government, but also on how present-day government is applying the Constitution. The major goal of this course is to equip citizens for better participation in a representative democracy.

Sociology **10, 11, 12** **1 credit**

Sociology is the study of human society and social behavior. In the first semester, students will learn about the background of sociology, cultural conformity, sociological theories and how we affect one another in our daily lives. We focus on adapting an open frame of mind in order to understand the connection between the larger world and our personal lives. The second semester of sociology centers on social issues such as crime, domestic violence, discrimination and gender inequality.

Psychology **11, 12** **1 credit**

This course is an introductory course that examines the human mind, thought, and behavior. Themes covered include development, neuroscience, consciousness, learning and intelligence, sensation and perception, personality disorders, psychological disorders, and therapy. The course relies on student reflection and participation.

AP United States Government and Politics **12** **1 credit**

Prerequisite: Teacher recommendation.

AP United States Government and Politics is a course structured around these big areas: key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, which teaches students to apply disciplinary reasoning and interpret data to develop evidence-based arguments. The class is a college preparatory course that will prepare students for the rigor of college courses and with successful completion, students will have built self-confidence to take further college level courses. Students will also have the option to take the College Board AP United States Government and Politics Exam that will potentially earn them college credit, dependent on the score they receive on that exam and the college or university they plan to attend. Students completing this course will be awarded credit based on a 5.0 scale.

ELECTIVE COURSES

Intro to Business Education **10, 11, 12** **1 credit**

Business Education is a class for both business and non-business students. The skills taught in this course can be used for personal use and in business careers. They include entrepreneurship, creating a business plan and running a company, the economics of work, marketing, and advertising. The software used is Microsoft Office, Google Mail, Google Documents, Photoshop, Dreamweaver, Garage Band, and iMovie.

Intro to Marketing **10, 11, 12** **1 credit**

This course offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. General marketing principles are covered as well as the kinds of markets and business management.

Future STEAM Educators Class **11,12** **1 credit**

The purpose of this class is to introduce high school students to STEAM (Science, Technology, Engineering, Art, and Math) teaching. Students will engage in activities that promote learning in various STEAM disciplines as well as introducing them to the field of teacher education. Students will gain knowledge from all phases of science and technology, and why they are socially and economically relevant and applicable to the society of today. Students will also create lesson plans and activities for middle school students and have the opportunity to implement them within the classroom.

SPECIAL EDUCATION COURSES

Special education courses are offered based on the needs of the student as indicated on his/her Individualized Education Program (IEP). The curriculum is modeled after the general education curriculum with appropriate modifications and accommodations. Some classes may be offered as a self-contained class and others will be integrated.

CERTIFICATE OF COMPLETION COURSES

Life Skills **9,10,11,12** **.5 or 1 credit**

This course will teach some of the basics tasks that are needed to live independently, focusing on many different areas and skills throughout the school year. These activities will teach how to become more successful in school and life as an adult. Some examples are learning how to balance a checkbook, filling out job applications, how to be a good employee, as well as shopping, using coupons and finding the best price of items.

Basic Math **9,10,11,12** **.5 or 1 credit**

Basic Math is a class that will teach students some of the basics math tasks needed to live independently. Some skills will assist the student in being more successful in school and some will be how to function in daily life as well as how to be a good employee someday. Students will learn money skills, time management, calculating income, and much more.