

Curriculum Guide - Kalida High School 2018-2019

Dear Students and Parents:

At Kalida High School, the teaching staff and administration strive to provide a relevant and rigorous curriculum for all of our students. The purpose of this curriculum guide is to make you aware of the many offerings at Kalida High School. Our hope is that the students will be college and career "ready" after they graduate from KHS. Decisions involving high school courses and career choices should be a team decision involving students, parents, counselors, and teachers.

You will notice some **new course offerings** for next school year that will provide students an opportunity to grow in their knowledge of business and agricultural and environmental systems. Additionally, we will be offering a course to seniors that will help navigate the transition from Kalida High School to the next phase of their lives. My hope is that these new offerings will help in expanding new horizons for our students.

Please consider your options carefully. The best schedules are made when students and parents take time for conversations about current interests and possible plans after high school. Consulting the guidance department and teachers is also encouraged. If there is anything I can do to assist you in this process, please do not hesitate to contact me. I am looking forward to a successful 2018-2019 school year at Kalida High School!

Dean Brinkman – Principal Kalida High School

CURRICULUM STANDARDS

The basic standards used in this curriculum guide are those established by the Ohio Department of Education in conjunction with the Kalida Local Schools Board of Education.

GRADUATION REQUIREMENTS

21 credits are required for graduation from Kalida High School. Minimum requirements include the following:

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| English | 4 units |
| Health | 0.5 unit |
| Physical Education | 0.5 unit |
| Mathematics | 4 units (Must include 1 unit of Algebra II or its equivalent) |
| Science | 3 units (Must include 1 unit Biological Science, 1 unit Physical Science, 1 unit of Advanced Science – Chemistry, Physics or Anatomy & Physiology) |
| Social Studies | 3 units (2 units must include American History and Government) |
| Fine Arts | 1 unit (Includes any of the visual or performing arts courses) |
| Economics/Financial Literacy | 0.5 unit (The Money Matters course fulfills this requirement) |
| Electives | <u>4.5 units</u> |
| TOTAL | 21.0 units |

In addition to the above credit requirements, students are also required to pass statewide assessments. The Classes of 2018 and beyond are required to obtain 18 points total or higher on the 7 end-of-course exams which include the following: English 9, English 10, Algebra I, Geometry, Biology, U.S. History, and American Government. Each assessment is scored on a 1-5 scale. Each student must earn 4 points total for the 2 math assessments, 2 points total for the English assessments, and 6 points total (together) from the 3 assessments in the subject areas of science and social studies.

KALIDA HIGH SCHOOL HONOR GRADUATES

Kalida High School will honor students who achieve a cumulative grade point average of 3.5 by the end of the seventh or eighth semester. The grade point average will be rounded to the nearest hundredth of a point. The lowest GPA to qualify would be 3.495.

RECOGNITION OF HONOR GRADUATES

Seven Semester honor graduates will have achieved the above status by the end of the seventh semester of their senior year. These students will be recognized in the local newspapers, will be recognized in the graduation program, and will be recognized at the Academic Banquet. Post-Secondary Options classes taken and completed prior to the end of the seventh semester will count toward earning honors graduate status. A student who achieves honor graduate status by the end of the seventh semester will not have this status removed if their final cumulative GPA falls below the minimum of 3.495. ***Due to time constraints of newspaper publications and the scheduling of the academic banquet in mid-May, students who do not achieve the honor grad status until the end of the eighth semester will only be recognized at graduation.***

This policy is separate from the Honors Diploma sponsored by the Ohio Department of Education.

STATE OF OHIO HONORS DIPLOMA

The Honors Diploma is awarded by the **Ohio Department of Education**. The Ohio State Department of Education adopted criteria for graduating with honors. There are now 6 types of honor's diplomas. The requirements for the academic diploma are listed below. Students must meet **seven (7) of the eight (8)** criteria listed in order to qualify for the State Honors Diploma.

1. Earn four units of English
2. Earn four units of math (Algebra I, Algebra II, Geometry, and another higher level course)
3. Earn four units of science (must include Chemistry **and** one unit of advanced science – Anatomy & Physiology or Physics)
4. Earn four units of social studies
5. Earn three units of one foreign language **or** two units each of two foreign languages
6. Earn one unit of fine arts (Art, Band, or Chorus)
7. Earn a 3.5 GPA through the last grading period of the senior year
8. Obtain ACT composite score of 27 (or SAT 1210).

COLLEGE LEVEL COURSES OFFERED AT KALIDA HIGH SCHOOL

*COLLEGE CREDIT PLUS

In conjunction with James A. Rhodes State College, Kalida High School is able to offer 5 courses for college credit within the high school building. The major difference between these courses is the individual who teaches the course

Option 1: The course is taught by an instructor from the college or university. Psychology is the course at Kalida High School which fits this description. Psychology is taught by a James A. Rhodes State instructor (employee). Psychology is worth 3 semester hour credits.

Option 2: This option includes college courses taught by a high school teacher who has been deemed qualified by the university to teach courses that will count for credit at the respective school. We have 4 courses at Kalida High School taught by our instructors for which Rhodes awards college credit. One is Computer Applications which is taught by Mrs. Knueve while the other 3 courses are taught by Mr. Liebrecht within the pre-engineering program. These 3 courses include the following: Introduction to Engineering, Computer Applications, and Digital Electronics. All four of these courses are worth 3 semester hours. In addition to these 4 courses, students successfully completing Agriscience 3 with a grade of a "C" or higher would be eligible for 3

semester hours of articulated credit from the University of Northwestern Ohio should the student attend that institution.

ADVANCED PLACEMENT (AP) COURSES

The Advanced Placement Program gives students the opportunity to complete college-level studies while still in high school. Participating colleges grant credit and/or appropriated placement to students who have done well on the AP examinations which are administered in May. Students at KHS who take an AP class are required to take the exam. The exam fee is \$92 (2017-2018 cost) and is shared by the student and school. Exam results are posted electronically on the student's AP account and are sent to a designated college in July. Currently, Kalida High School offers AP English and Literature & Composition, AP United States Government & Politics, and AP American History.

COMMON REQUIREMENTS FOR COLLEGE

For students who plan to attend one of Ohio's public or private four-year colleges or universities, the following courses are recommended. Each college/university reserves the right to set their own admission requirements. Therefore, the courses listed are suggested as guideline to cover most institutions.

4 credits of English with emphasis on composition

4 credits of Mathematics (Algebra I, Algebra II, Geometry, Advanced Math)

3 credits of Science (PEC Science, Applied Biology, Chemistry, plus Physics or Anatomy & Physiology)

3 credits of Social Studies

2 credits of Foreign Language (2 credits should be in the same language)

1 credit of Art, Band, or Chorus

0.5 credit of Computer Programming and/or Computer Applications

If the above requirements are not met, students may sometimes be admitted with the condition that they take extra courses at their own expense before they may begin taking regular college classes.

Please keep in mind that many colleges will evaluate an applicant on the basis of the student's grade point average, performance on entrance examinations (ACT or SAT), and the rigor of the curriculum when compared to the class rank. Because colleges differ in their requirements, a student should get specific details from the counselor and the college in question.

SUGGESTED FOUR-YEAR CURRICULUM FOR COLLEGE BOUND STUDENTS

Freshman

English 9
Algebra I
P.E.C. Science
World Studies
Spanish I
Physical Education 9 (or PE Option)
Electives

Sophomore

English 10
Geometry
Applied Biology
U.S. Studies or AP U.S. History
Spanish II
Physical Education 10 (or PE Option)
Electives

Junior

English 11 or Honor's English 11
Algebra II
Spanish III (optional)
Chemistry
U.S. Government or AP U.S. Government
Electives

Senior

English 12 or AP English
Advanced Math/Trigonometry or College Algebra
Statistics and/or Calculus
Physics and/or Anatomy & Physiology
Social Studies Electives
Money Matters
Electives

VOCATIONAL OPTIONS

Kalida students may take Vocational Agriculture courses while they are students at Kalida High School as well as Project Lead the Way courses in the areas of pre-engineering and biomedical sciences. In addition, other vocational courses are available through Vantage Career Center in Van Wert. Eighteen two-year courses are offered at Vantage for students who have completed the necessary requirements. They are as follows:

Two-year vocational courses at Vantage

- Ag and Industrial Power Technology
- Auto Body
- Automotive Technology
- Carpentry
- Construction Equipment Technology
- Cosmetology
- Criminal Justice
- Culinary Arts
- Early Childhood Education
- Electricity
- Health Careers
- Industrial Mechanics
- Interactive Media
- Medical Office Management
- Network Systems* (Students MUST have Algebra I to enter this course)
- Precision Machining Technology
- Welding/Metal Fabrication Technology

If a student is deficient in more than three credits in the core areas listed below, he/she will not be eligible for admission into Vantage. This means that the following credits should be earned before enrolling at Vantage.

| | | |
|----------------|-----------|-----------------------------------------------------------------|
| English | 2 credits | |
| Science | 2 credits | <i>Must include a physical science and a biological science</i> |
| Social Studies | 2 credits | |
| Math | 2 credits | |
| Health | ½ credit | |

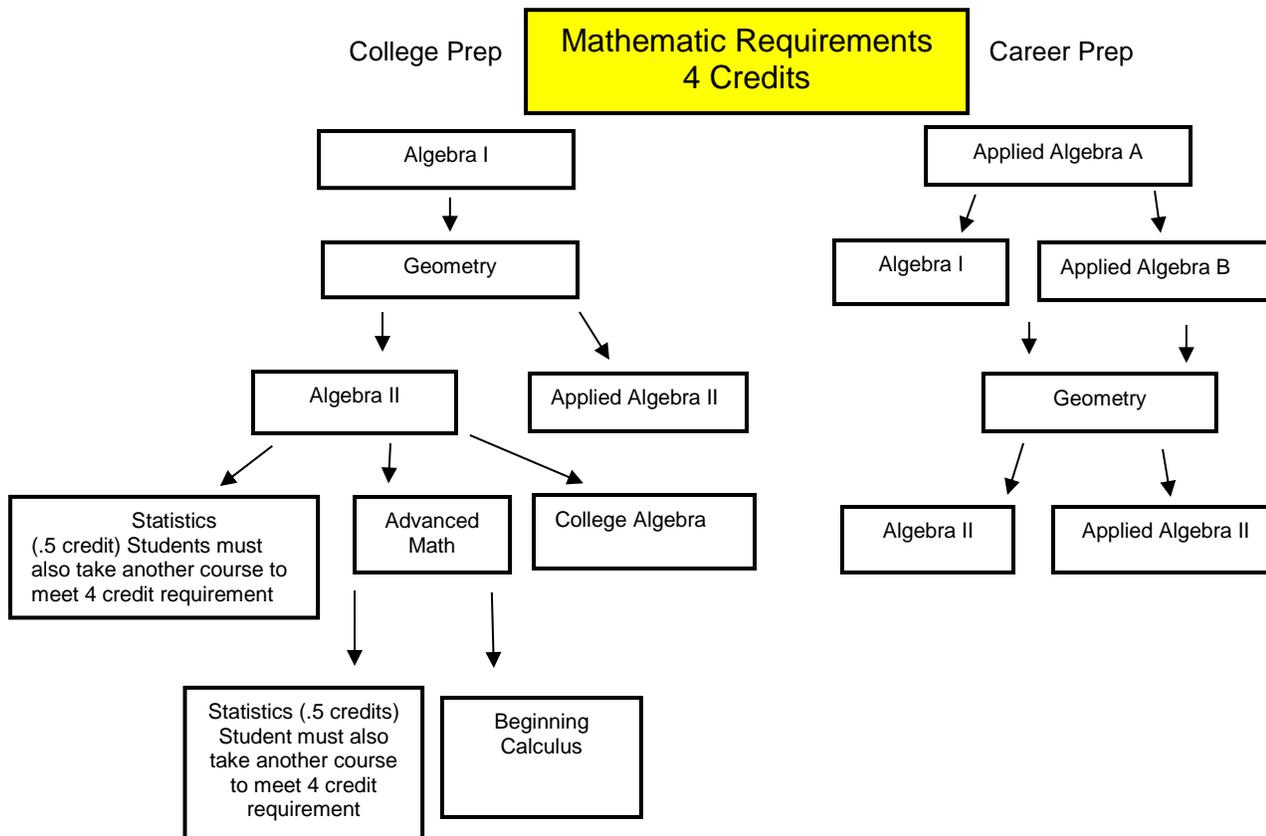
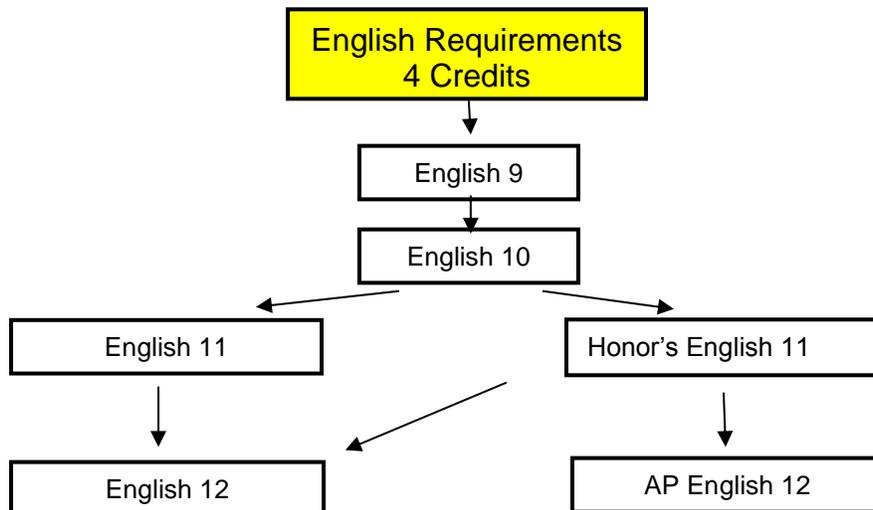
Students will complete the remainder of the core subject requirements at Vantage and will also participate in labs and other subjects related to the chosen career path.

Classes at Vantage Career Center begin at 8:20 a.m. and end at 2:35 p.m. Kalida Local Schools provides bus transportation to and from Vantage daily.

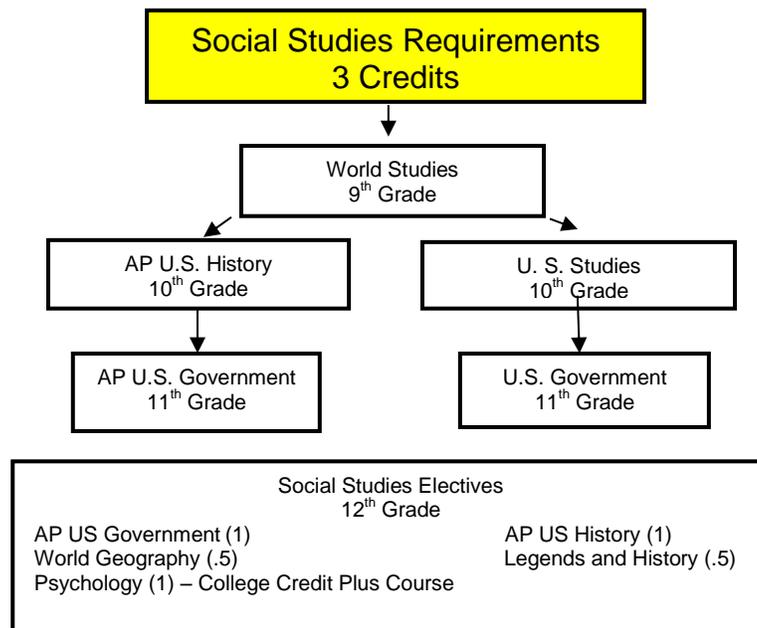
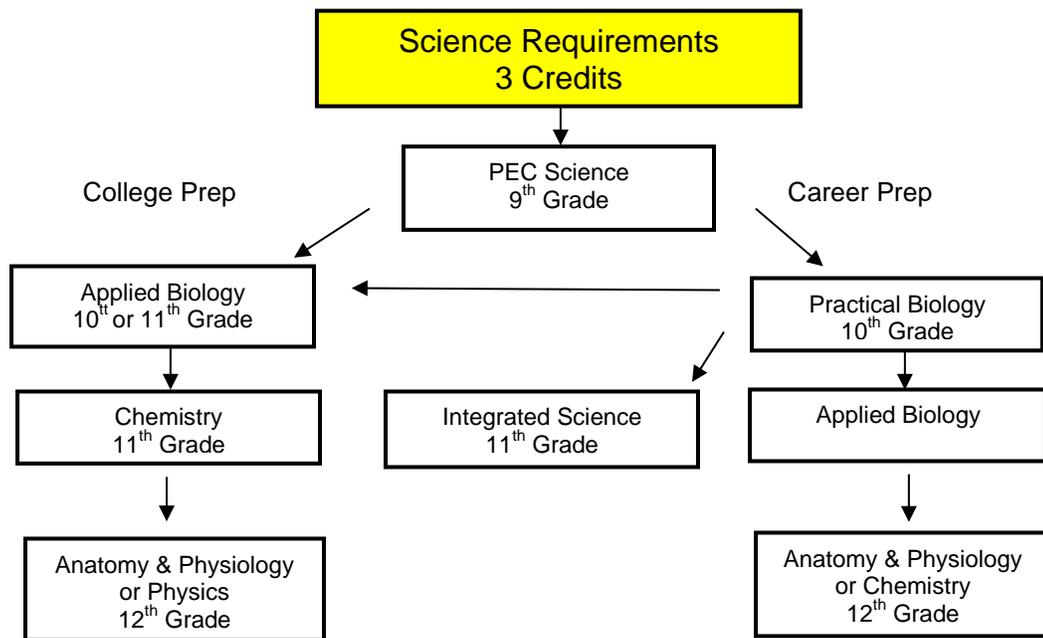
For more information about Vantage, please visit their website at www.VantageCareerCenter.com

SAMPLE CURRICULA FOR VARIOUS SUBJECTS

The diagrams below illustrate the coursework for students spending all four years in the Kalida High School building. Most of these courses are not only required for graduation but also for admission into college. Guidelines for Vantage students are listed above.



Our highest achieving math students will take stats and calculus along with advanced math during the senior year.



DESCRIPTION OF COURSES OFFERED LOCALLY

Agriculture Education

Agricultural science classes and the FFA work hand-in-hand to develop leadership, citizenship, patriotism, cooperation, and technical skills. All students are welcome; you do not have to live on a farm or currently be involved in agriculture.

Agriscience 1 (0101)

Daily, all year
1.25 credits, Grade 9

Agriculture, Food and Natural Resources (Agriscience 1) is an introduction to agricultural and environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry. All students will conduct a Supervised Agricultural Experience and will be members of the Kalida FFA Chapter. FFA membership and participation is required.

Agriscience 2 (0102)

Daily, all year
Prerequisite: Agriscience 1
1.25 credits, Grade 10

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Along with metallurgy in relation to hot and cold metals, students will apply knowledge of sheet metal fabrication applicable to the agricultural industry. Throughout the course, business principles and professional skills will be examined. All students will conduct a Supervised Agricultural Experience and will be members of the Kalida FFA Chapter. FFA membership and participation is required.

Agriscience 3 (0103)

Prerequisite: Agriscience 2
Daily, all year
1.25 credits, Grade 11

Students will examine elements of personal finance, business, identify organizational structures and apply management skills while developing business plans, financial reports, and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. All students will conduct a Supervised Agricultural Experience and will be members of the Kalida FFA Chapter. FFA membership and participation is required. **Students with at least a “C” average in this course will be eligible to obtain 3 college credits at NO COST granted by the University of Northwestern Ohio. Interested students should discuss this with the instructor to see other requirements for the articulated college credits. CT2 college credit is also potentially available. Interested students should discuss this opportunity with instructor.**

Agriscience 4 (0104)

Daily, all year

Prerequisite: Agriscience 3

1.25 credits, Grade 12

This course is tailored to student interest in different areas of agriculture. Areas of study shall include, but not limited to, communication skills, leadership skills, career development events, service learning, agricultural mechanical skills, and employability skills. Students will learn the importance of team building and how one's actions can affect the whole group. Students will foster positive working relationships among their peers while working together on projects. Students will learn economic principles with emphasis on their application to the solution of agricultural industry problems. Throughout the course, students will become familiar with the causes and consequences of economic growth, globalization and development. All students will conduct a Supervised Agricultural Experience and will be members of the Kalida FFA Chapter. FFA membership and participation is required.

New!!! Semester Agriscience electives (online – facilitated by KHS instructor)

Kalida High School is committed to the importance of the agriscience field as it relates to the economic impact upon Northwest Ohio and the mid-west region of the United States. It is estimated that 15-20 percent of jobs in Ohio are connected to agriculture in some way, shape, or form. These include occupations not only in food production but also in research, marketing, sales, business as well as others connected to agriculture indirectly. Therefore, KHS has expanded its course offerings related to the agricultural sector. Several electives will be available to students who might be interested in an aspect of agriculture without intending to enroll in the sequence of courses outlined in the above descriptions. Consequently, the semester courses listed below are intended for those students seeking to explore curriculum and careers in the agricultural area. These courses will be offered online but facilitated by our KHS instructor. The online curriculum will allow students to take a greater variety of courses as well as taking them at a more convenient time that reduces scheduling conflicts. Final grades for these courses will be assigned by the agriscience instructor at Kalida High School.

Agribusiness Systems

Daily, semester

.5 credits, Grades 9-12

Agribusiness Systems is a semester-length high school elective that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Nearly 16 percent of total U.S. employment and 14 percent of the U.S. gross domestic product can be attributed to agribusiness systems, which means agriculture, food, and natural resources play a pivotal role in the economic success of our nation. Students will learn about the components of the agribusiness system and how they interact to deliver food to our tables. They will also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations. Students will also analyze budgets and forecasts to determine business strategies.

Introduction to Agriculture, Food, and Natural Resources

Daily, semester

.5 credits, Grades 9-12

This semester-length high school elective introduces students to the basic scientific principles of agriculture and natural resources. Students will be recognizing and researching plant systems, animal systems, government policy, "green" technologies, agribusiness principles, and sustainability systems. Students should be familiar with the concepts taught in general science classes. This course includes basic biology, basic simple chemistry, and fundamentals of earth science. A basic appreciation for the importance of these scientific topics and courses to agriculture and some knowledge of the various agricultural industries from farming and ranching to food production and protection is recommended.

Animal Systems

Daily, semester

.5 credits, Grades 9-12

This semester-long introductory course focuses on animal systems at the high-school level. An interest in animal physiology, husbandry, livestock, veterinary practice, animal welfare, or food production would be desirable for students of the course. The information gained will be helpful in making educational decisions for undergraduate or graduate study. A student might use the knowledge gained from the course to further an interest in becoming a chef, a researcher, a doctor, a wildlife-management professional, or any number of applicable careers. **No previous experience in or knowledge of these careers is required for the course.** The course provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. How the research translates to management practices is a vital area of study and discussion. The ability to review online information, research topics independently, pursue hands-on projects, and create reports and presentations is required.

Plant Systems

Daily, semester

.5 credits, Grades 9-12

Plant Systems is a **semester-length** high school elective that introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students will learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented.

ART

Beginning Art (0201)

1 credit, Grades 9-12
Daily, all year

In this course, an emphasis is placed on gaining basic technical skills, while exposing students to a wide variety of media and techniques. The curriculum is focused on the elements and principles of design - the building block of any visual composition. Students will also be introduced to past works that have been important influences in art history.

Intermediate Art (0202)

Prerequisite: Beginning Art
1 credit, Grades 10-12
Daily, all year

A continuation of Beginning Art, this course takes a well-rounded approach to art exploration and studio production. The curriculum emphasizes Art Criticism, in which students learn intelligent ways of responding to works of art through the following steps: Description, Analysis, Interpretation, and Judgment. Materials and techniques utilized are more advanced than Beginning Art, and assessment of studio projects are less rigidly defined in order to encourage greater exploration and experimentation. Students will be able to recognize past works that have been important influences in art history.

Accelerated Art (0211)

Prerequisite: Beginning Art
½ - 1 credit depending on availability in student's schedule, Grades 11-12
Daily, semester or all year

Accelerated art includes a wide array of art media which may include drawing, painting, printmaking, sculpting, and digital photography. Students are expected to work more independently at an advanced level. Student projects will be developed between the student and instructor and may include all or some of the aforementioned art forms.

Advanced Art (0212)

Prerequisite: Completion of Beginning Art; Approval of Instructor
½ - 1 credit depending on student's study hall availability and instructor's approval, grade 12

Advanced Art is designed for serious, self-motivated art students who might be interested in pursuing art beyond high school. An individual course of study is designed for each student so he or she can develop a well-rounded portfolio that may be submitted to art schools and colleges. Students who are considering Advanced Art should see the instructor for details before enrolling.

BIOMEDICAL SCIENCES – Project Lead the Way

This program consists of four courses that combine rigorous academics with the knowledge and skills to prepare students for diverse long-term careers in the health-care sector. Any student with thoughts of entering health careers or the medical profession or research area should consider this program.

Principles of Biomedical Sciences (PBS) (0815)

Project Lead the Way - first in a series of four courses

Priority of scheduling will be given to freshmen by order of grade point average from the eighth grade year so that these students will have the ability to complete all four courses. Students in grades 10-12 will be eligible based on availability and grade point average.

1 credit, grades 9 – 12
Daily, all year

This course provides an introduction to the biomedical sciences through exciting “hands-on” projects and problems. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme throughout this course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

Human Body Systems (HBS)(0818)

Project Lead the Way - second in a series of four courses

Prerequisite: Principles of Biomedical Sciences

1 Credit, grades 10 - 12. **Scheduling priority will be given to sophomores who completed Principles of Biomedical Sciences because the biomedical program was designed to be a 4-course curriculum to be taken in sequential order**

Daily, all year

The human body is a complex system requiring care and maintenance. Students examine the interactions of body systems as they explore identity, communication, power, movement, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

Medical Intervention (MI) (0819)

Project Lead the Way - third in a series of four courses

Prerequisite: Human Body Systems.

1 Credit, grades 11 - 12

Daily, all year

Students investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore the following: how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important roles scientific thinking and engineering design play in the development of interventions of the future.

Biomedical Innovation (BI) (0820)

Project Lead the Way - fourth in a series of four courses

Prerequisite: Medical Intervention.

1 Credit, grade 12

Daily, all year

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician’s office, or industry. They will work on an independent project and may have a mentor or advisor from a university, hospital, physician’s office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. Students will be involved in a scheduled job-shadowing internship in this course. This course is designed to provide a wrap-up and extension of all the courses in the Biomedical Sciences program and reinforce the scientific foundation for careers in health and medical fields.

BUSINESS

Accounting (0301)

1 credit, Grades 10 - 12
Daily, year

This course serves to develop the background and ability to keep accounting records for service and merchandising businesses. It gives the student an understanding of how businesses function and contribute to our society. Emphasis is on the analysis of theory concepts in accounting records as well as the accurate and knowledgeable record keeping of incomes and expenses. Successful completion of a practice set is required in order to pass this course.

Accounting II (0302)

Prerequisite: Successful completion of Accounting I
½ credit, Grades 11 and 12 Daily, semester

This course serves as a continuation of the ideas and concepts covered in Accounting I. It gives the student an understanding of how businesses function and contribute to our society. Emphasis is on the analysis of theory in accounting records as well as the accurate and knowledgeable record keeping of incomes and expenses in regards to a corporation. Successful completion of a practice set is required in order to pass this course.

Business Communications (Yearbook) (0313)

Prerequisite: If a large number of students request to be a member of the yearbook staff, an application process will be implemented. All applicants would then be subject to the advisor's approval.
1 credit, Grades 9, 10, 11, & 12
Daily, Year

This is a course that offers opportunities to learn salesmanship, photography, copy and headline writing, and computerized desktop publishing. This class and the advisor will be responsible for producing the KHS yearbook, Kalidascope, and the basketball program.

Attributes needed to apply are: initiative, cooperation, dedication, creativity, and honesty. Skills needed are: an A or B average in English, keyboard knowledge, and good proofreading skills. Computer knowledge is a plus. Students should be self-motivated, be able to set goals, and complete assigned tasks.

Students are expected to be available in August before school starts to sell ads using their own transportation, and complete work after school is out in May to finish yearbook pages. They must also sell basketball programs and function as a reporter taking pictures and taking notes at school year's events. The cost of a yearbook may be waived if members sell sufficient ads and programs.

Money Matters (0314)

½ credit, Grades 10 - 12
Daily, 1 semester

The objective of this course is to provide students with a basic understanding of personal money management problems, consumer credit, personal insurance planning, securities analysis, Medicare, Social Security benefits, etc. **The content of this course became a graduation requirement by the Ohio Department of Education beginning with the class of 2014.**

New!!! Semester business electives (online – facilitated by KHS instructor)

Regardless of the career path a student chooses, business concepts are, more than likely, integrated in the occupation at some level. As a result, KHS is expanding the course offerings in the business area to provide more opportunities for our student body to gain exposure to business concepts and applications and explore career opportunities related to the field. The curriculum for these courses will be delivered electronically using Odysseyware, an online accredited educational resource. Even though the curriculum is delivered electronically, the courses will still be facilitated and monitored by our KHS instructor. The online curriculum will allow students to take a greater variety of courses as well as taking them at a more convenient time that will reduce scheduling conflicts. Course grades will also be assigned by the agriscience instructor at Kalida High School.

Business Law (0305)

½ credit, Grades 11 - 12

Daily, 1 semester

This semester-long course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Then, students will be introduced to the types of businesses that can be created to engage in commerce as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated will also be reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts that can affect business will be discussed to get a better sense of what it means to "go global" with a business. Consumer and environmental protections will be explained as well as bankruptcy options, should a business go insolvent. Lastly, no business exists without experiencing some kind of dispute or another. Therefore, we will review the options that exist for dispute resolution and alternative dispute resolution to provide a better understanding of how best to deal with such matters. While there are no formal requirements for this course, it is important to understand that this is a challenging course requiring your best critical-thinking skills. The ability to conduct research, make lateral connections, and consider options not clearly outlined is a function of those who successfully practice the law. This course uses scenarios and case studies to apply the concepts offered and encourages creative (but legal and ethical) thinking. ***This course would be excellent for any student considering a law career!*** *The following are a few examples of course objectives: develop a general overview of the legal system in the United States, understand the types of businesses and corporations that exist, develop insight into the formation of contracts, learn about torts and liability considerations regarding torts, develop an understanding of ethics and civil and criminal procedures, develop an appreciation of the administrative law process along with the Commerce Clause and its effect on employment law.*

Introduction to Careers in Finance (0306)

½ credit, Grades 9 - 12

Daily, 1 semester

The Introduction to Careers in Finance course provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. The following are some of the objectives that will be emphasized: explain the financial system, evaluate career opportunities in financial services, describe the role of intermediaries in finance, examine and define the key agencies governing US banking and securities industries, characterize the impact of international finance on US financial system regulations, review the attributes of a well-functioning financial system.

Introduction to Careers in Marketing (0307)

½ credit, Grades 9 - 12

Daily, 1 semester

The Introduction to Marketing course will provide students with an overview of marketing, which is an essential element for any company that produces products that are purchased and used by the public. Students will learn about what marketing is and how the process of marketing works as well as the role of market research and how companies incorporate ethics into their marketing strategies. They will also learn about the importance of strategic planning for marketers, the five step marketing strategic process, and strategies for growth. Other objectives include the following: learn about the environment in which marketers operate which includes the microenvironment, which refers to entities

and influences close to the company or marketer, and the macro environment, which refers to influences that impact all of society, such as culture, social trends, and technology; learn about the Four P's of the marketing mix: product, price, promotion, and place; evaluate the importance of each of these four elements and learn specifically about how technology has changed the approach to the marketing mix; learn about international markets and how to approach marketing at a global level. After completing this course, students will have a fundamental understanding of the principles of marketing. They will be able to explain the marketing process, marketing strategic planning, the marketing environment, and the trends, opportunities, and challenges in the marketing.

Essentials of Business (0308)

½ credit, Grades 9 - 12

Daily, 1 semester

This semester-long course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company – whether a multinational corporation or a corner grocery store – must manage effectively to be successful. These functions include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship. Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes. Upon completion of the course, students should be able to do the following: apply business concepts to their lives, compare and contrast market economies with controlled economy, describe the six areas of human resource management, list and define the legal forms of business ownership, name and describe the components of successful business communication, and analyze ways in which technology is changing business operation.

Principles of Business and Finance

½ credit, Grades 11 - 12

Daily, 1 semester

This semester-long course will introduce students to the fundamental structure of the American economy, the complexities of the global economy, and the principles, practices, and strategies associated with starting, managing, or simply working for a business. Through a combination of lessons and projects, students will trace a trajectory of their potential role in the American economy as consumers, laborers, and executives. With lessons on everything from marketing to writing formal business correspondence, from the basic structures and legal definitions of business to the operations and importance of financial institutions, students will emerge from this course with a thorough introductory understanding of the business world. Students will perform research, conduct interviews, and write papers on various topics designed to enrich their understanding of the American business environment. They will also navigate an interactive and creative project that spans the length of the course and asks students to engage their learning, imaginations and individual career motivation with the course material. The course begins with an exploration of the structure of businesses and the roles and responsibilities of those who seek to lead and manage these enterprises. From this baseline, students are introduced to topics of particular relevance in our emerging global business environment including: the technology that fuels business success, the strength of free market economies, the cyclical nature of the economy and business, hard asset and financial management, and the personal skills necessary to become a member of the business community. Students should have access to spreadsheet and Microsoft Word software. PowerPoint or other presentation software would also be helpful to allow them to learn how to give presentations through this medium.

Small Business Entrepreneurship

½ credit, Grades 11 - 12
Daily, 1 semester

This semester-long course is designed to provide the skills needed to effectively organize, develop, create, and manage your own business, while exposing you to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, you will be given the chance to see what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. You will become familiar with the traits and characteristics that are found in successful entrepreneurs and you will see how research, planning, operations, and regulations can affect small businesses. You will learn how to develop plans for having effective business management and marketing strategies. Small Business Entrepreneurship will teach you basic principles of entrepreneurship and business ethics. You'll look at the major steps relevant to starting a new business. These steps include financing, marketing, and managing. Knowing how to analyze a business plan will help you develop one, while at the same time making it easier for you to understand the reasons businesses have to write one. Small Business Entrepreneurship is designed to give you an overview on running a business from start to finish. Students must be computer literate and have Internet access. Students should have basic research skills, as well as the ability to conduct online searches and access recommended websites. Word processing and presentation software may be required to produce projects.

ENGLISH

English 9 (0901)

1 credit, Grade 9 required course
Daily, all year

Throughout the year, composition, literature, vocabulary, and miscellaneous skills will be interspersed. Time will be spent on career research and exploration. To enrich students' vocabularies, lessons and tests will be given periodically. Composition consists of writing essays using the prewriting, organizing, writing, and revising process with a review of grammar and mechanics through the writing process. Students will learn how to write for different purposes and different audiences. Public speaking skills will be developed.

The study of literature consists of the Shakespearean play Romeo and Juliet, short stories, nonfiction, and poetry. Students will independently read four novels throughout the year from the Accelerated Reader list, and additional novels will also be read together and discussed in class. Writing in response to reading will be included.

English 10 (0902)

Prerequisite: English 9
1 credit, Grade 10 required course
Daily, all year

The course includes a review of grammar and mechanics through the composition process of prewriting, organizing, writing, and revising. Career and college research and exploration will be done. Concentration on increasing pupils' vocabularies is also included. Through practice developing good paragraphs, students will write essays and a report using research skills. Public speaking skills will continue to be developed as time allows.

Throughout the year, the study of literature will include short stories, drama (including the Shakespearean play Julius Caesar), nonfiction, novels, and poetry. Writing in response to reading will be included. Students will independently read four novels throughout the year from the Accelerated Reader list, and additional novels will also be read together and discussed in class.

English 11 (0903)

Prerequisite: English 10
1 credit, Grade 11
Daily, all year

This course is a study of the development of American literature, poetry, prose, and drama. Focus will be on analysis and interpretation of literary forms. Also, novels are required which are to be read outside of class. Students will practice writing skills focusing on longer papers. Vocabulary development will continue. Daily writing or reading assignments are to be expected. Students will independently read four novels throughout the year from the Accelerated Reader list, and additional novels will also be read together and discussed in class.

Honors English 11 (0907)

Prerequisite: Recommended "A" or "B" average in English 10
1 credit, Grade 11
Daily, all year

This course is an honors course, meaning higher expectations for students enrolled. The focus will be on literary themes with an emphasis on written critiques of literature. Students will study the development of American literature and analyze the different themes and motifs associated with each literary movement. Writing and analyzing skills are major focal points for this course. If enrolled in Honors English 11, students will be expected to analyze literature and develop longer analytical and argumentative essays. Students will independently read four novels throughout the year from the Accelerated Reader list, and additional novels will also be read together and discussed in class. *Summer reading is a requirement for this course.*

English 12 (0905)

Prerequisite: English 11
1 credit, Grade 12
Daily, all year

This course is suggested for the student intending to attend a 4-year university. It is a survey study of the development of English & World literature, poetry, prose, and drama. Focus will be on analysis and interpretation of classic literature. Writing skills focusing on longer papers and a research paper and presentation is required. Vocabulary development will continue. Public speaking skills will be practiced. Daily writing or reading assignments are to be expected. Students will purchase paperback novels for supplemental reading. **Required summer reading: *The Five People You Meet in Heaven*.**

AP English Literature & Composition (0908)

Prerequisite: Recommended "A" or "B" average in English 11 or English 101; Teacher recommendation
1 credit, Grade 12
Daily, all year

This course is intended for students seeking a challenge similar to those they will experience in a four-year university. It is designed to engage students in careful reading and critical analysis of imaginative literature. Writing assignments will focus on the critical analysis of literature and shall include expository, analytical, and argumentative essays. **This course will have a heavy load of both reading and writing and students must accept this condition without reservation. An exam which could possibly result in college credit in literature will be administered and is required to receive credit for the course. Students are required to pay half of the cost of this exam.** Students will purchase paperback novels for supplemental reading. **Summer reading is required for this course.**

Fiction on Film (0910)

½ credit, Grades 11-12
Daily, semester

Students will have chance to become literary/movie critics by analyzing and viewing the screen adaptations of various novels. Our goal will be to analyze the elements of literature portrayed in movies. Students will write daily responses to movie scenes and also get the opportunity to write their own reviews.

Media Communications/Online Writing Lab (0911)

½ credit, Grades 11-12
Daily, semester

Do you enjoy writing? Social media? Put your skills to use by writing and publishing articles to appear in the school's *Paw Print* newsletter and on the school's Facebook and Twitter pages. You will also be putting to use your writing/editing skills by evaluating the writing assignments and projects of Kalida middle school students through the use of Google Docs. Grades will be based on meeting deadlines, work ethic, and organizational skills.

FOREIGN LANGUAGES

TWO TO THREE YEARS' STUDY OF A FOREIGN LANGUAGE IS REQUIRED BY MOST COLLEGES TO ENTER A DEGREE PROGRAM. Students studying a foreign language should have a good foundation in English usage ("C" average or better).

Spanish I (0501)

Prerequisite: C- or above in 8th grade Language Arts
1 credit, Grades 9-12
Daily, all year

This course introduces the student to the Spanish language and the culture of Spanish-speaking people throughout the world. There is much emphasis placed on the development of a working vocabulary and understanding introductory grammar and verb tenses as well as the culture, music, food, daily life and art of the Spanish-speaking world. Students will develop skills in speaking, reading, writing, and listening. Students will also study the culture of Spanish-speaking people and create arts and crafts to reflect their cultural understanding.

Spanish II (0502)

Availability of the course depends on the number of students who register and availability of staff member.

Prerequisite: A grade of C- or better in Spanish I

1 credit, Grades 10-12

Daily, all year

This course is a continuation of Spanish I. The study of grammar, vocabulary, and culture will be continued as students advance their abilities in reading, writing, listening, and speaking as well as their understanding and appreciation for the culture, music, food, daily life and art of the Spanish-speaking world. Students will have the opportunity to create arts and crafts to reflect their cultural understanding.

Spanish III (0503)

Prerequisites: Spanish I, II with C+ or better in Spanish II

1 credit, Grades 11-12

Daily, all year

In Spanish III students will review skills learned previously in Spanish I and II. Students will strengthen and increase their knowledge of the present, past, future, conditional, subjunctive and perfect tenses. Students will advance their abilities in reading, writing, listening and speaking. They will watch Spanish movies and write essays about topics in the movies. Students will continue to study the culture such as the music, food, daily life and art of the Spanish-speaking world and will have the opportunity to create arts and crafts to reflect their cultural understanding.

Spanish IV (0504)

Prerequisite: Spanish I, II, III

1 credit, Grade 12

Daily, all year

In Spanish IV students will strengthen and increase their knowledge of all previously learned verb tenses from Spanish I- III. Students will advance their abilities in reading, writing, listening and speaking- with an emphasis on speaking. They will watch Spanish movies and write essays about topics in the movies and read authentic Spanish literature. Students will continue to study the culture such as the music, food, daily life and art of the Spanish-speaking world and will have the opportunity to create arts and crafts to reflect their cultural understanding.

American Sign Language I (1501)

Prerequisite: Prior grades in English and Spanish will be considered.

At this time of year, funding for the following school year has not been allocated. Students who are interested in this course must choose alternate coursework in case funding does not become available to continue the course next school year. Scheduling priority will be given to students who have a deaf member in their immediate family. A student's grade level as well as his or her class ranking could also be used to determine whether or not a student is selected to take the course.

American Sign Language II (1514)

Prerequisite: American Sign Language I

MATHEMATICS

Students having an "A" or "B" average in previous math courses in Junior High are encouraged to follow the college prep math program.

Applied Algebra A (1001)

1 credit, Grade 9
Daily, all year

Applied Algebra is designed for students who struggled with mathematical concepts in junior high. This course features a review of mathematical skills learned in the junior high school with new work in algebra through exponents, roots, and equations. This is the first course in a two-year sequence which together cover all Algebra I topics.

Applied Algebra B (1006)

Prerequisite: Applied Algebra A
1 credit, Grade 10
Daily, all year

This is the second course in a two-year sequence, extending Applied Algebra B through quadratic equations. This two-year sequence will cover all Algebra I topics, as well as others.

Algebra I (1002)

Prerequisite: Strong 8th grade math skills
1 credit, Grades 9-10
Daily, all year

This course involves the study of the real number systems by solving variable equations, linear equations, and nonlinear equations. Problem solving and graphing are also a main part of the Algebra curriculum.

Algebra II (1003)

Prerequisite: Geometry
1 credit, Grades 11-12
Daily, all year

This course provides a review and extension of the concepts taught in Algebra I. Topics covered will include equations and inequalities, coordinates and graphs, general functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions of angles and of real numbers, systems of equations and inequalities, and sequences and series.

Applied Algebra II (1008)

Prerequisite: Geometry
1 credit, Grades 11-12
Daily, all year

The primary goal of this course is to develop a deeper understanding of the basic concepts of Algebra II. This course of study will introduce students to the fundamentals of the language of mathematics including solving and graphing equations, rules of exponents, linear equations, quadratic functions, polynomials, and exponential and logarithmic functions.

Geometry (1004)

Prerequisite: Algebra I or Applied Algebra A and Applied Algebra B
1 credit, Grades 10-11
Daily, all year

This course deals with the relationships, properties, and measurements of solids, polygons, lines, and angles. It seeks to improve the quality of thinking and reasoning in non-mathematical situations with the understanding of deductive and inductive reasoning.

Advanced Math/Trigonometry (1005)

Prerequisite: Algebra I & II, and Geometry, recommended C average or above in each class
1 credit, Grade 12
Daily, all year

This course is intended to prepare students for a study of Calculus at the college level. A review and further development of Algebra and Geometry are accomplished through a study of trigonometry, analytic geometry, functions, exponentials, complex numbers, sequences and series, and graphing techniques. **A graphing calculator is required for the course.**

College Algebra (1017)

Prerequisite: 3 units of prior math - not recommended for students with an "A" or "B" average in Algebra II. These students should progress into advanced math.
1 credit, Grade 12
Daily, all year

This course is designed for seniors who have completed Algebra II. The course will focus upon the review and applications of Algebra II and Geometry concepts and skills as well as advance into the early stages of more advanced math (pre-calculus).

Statistics & Probability (1011)

Prerequisite: Algebra I & II
½ credit, Grade 12
Daily, first semester

This class will cover fundamental statistical and probability theory and develop necessary problem solving skills that will be important in many careers. Projects will be completed to give students the opportunity to make inferences on statistical data and to represent the data graphically.

Beginning Calculus (1010)

Prerequisite: Advanced Math with at least a "C" average
½ credit, Grade 12
Daily, second semester

This course will better prepare students for college classes in calculus. Elements of calculus are covered. These include limits, derivatives, graphing, and integrals.

MUSIC

Band (Instrumental Music) (1101)

Prerequisite: Successful completion of requirements from previous grade.
1 credit, Grades 9-12
Daily, all year plus summer rehearsals and performances

This course is divided into two performing ensembles: the Marching Band and the Concert Band, as well as solo & small ensemble work. The Concert Band studies numerous styles of concert literature. This organization presents two or three public concerts each year. This part of the total course gives a student a broad musical background as well as developing technique on his or her chosen instrument. In addition, during the winter months, students are encouraged to participate in local solo & ensemble contests.

In addition to five periods a week, the Marching Band rehearses after school on Tuesday, Wednesday, and Thursdays in May, September and October and on a regular basis in June and August. The Marching Band performs from 10 -15 times during the summer and fall seasons. Band members perform at county fairs, field competitions, parades, and festivals. **Attendance is mandatory at all performances, contests, concerts, and festivals.**

Color Guard (1100)

½ credit, Grades 9-12 (Includes summer)
Daily, 1st quarter (9-weeks)

In addition to five periods a week during the marching band season, the Color Guard rehearses after school on Tuesdays, Wednesdays, and Thursdays in September and October and on a regular basis in June and August. The Color Guard performs 10-15 times during the summer and fall seasons. It performs at county fairs, field competitions, parades, and festivals. **ATTENDANCE IS MANDATORY AT ALL PERFORMANCES, CONTESTS, CONCERTS & FESTIVALS AS PART OF THE COURSE GRADE.** All interested students must audition for this course; however, students who are signed up for band (above) do not need to sign up for this class.

Chorale (1102)

1 credit, Grades 9-12
Daily, all year

This course offers students the opportunity to perform varied forms of Choral literature. Students will also study sight-singing and basic forms of music theory. The Chorale performs at three concerts a year as well as additional opportunities to perform outside of school such as during the Christmas holiday season by singing at local community events and banquets. Opportunities for individual and small group performances are made available to the students through participation at Solo and Ensemble Contest. **ATTENDANCE AT ALL PERFORMANCES IS MANDATORY.**

Music Technology (0108)

Grades 9-12
Daily, one semester (fall)

This course is designed to introduce students to music technology by looking at the history and development of various technologies as well as how those technologies can be applied to create, edit and produce music. This is a non-performance based course and will follow a more typical “classroom” setting than a music performance class.

Show Choir (1107)

½ credit, Grades 9-12
Meets as scheduled by director – typically Tuesdays & Thursdays 7:00 – 7:45 am

Students have the opportunity to rehearse and perform popular music through song and dance. There are three concerts a year in addition to other performance opportunities in and around the community. Attendance at all performances is mandatory.

Pep Band (1104)

Co requisite: High school band member
½ credit, Grades 9-12
Meets as scheduled by director—during, after, or before school. Game attendance required.
Grade is posted 4th 9-weeks.

Students will have a chance to rehearse and perform popular music that will provide entertainment and spirit for spectators and teams at home basketball games. Attendance at all home basketball games is required.

PHYSICAL EDUCATION AND HEALTH

PE Options Program

As established by the Ohio Department of Education, interscholastic sports, cheerleading, show choir, and marching band may be used to fulfill the physical education requirement for graduation. In accordance with this legislation and the Kalida Board of Education, students who participate in the previously listed activities, may opt out of the PE Course offered during the school day. Hence, by participating in 2 of these activities or 2 seasons (years) of the same activity, students will fulfill their PE graduation requirement. Only athletic programs sanctioned by the Ohio High School Athletic Association, cheerleading, show choir, and marching band will be accepted for this educational option. A minimum of sixty hours in a sport and successful completion of the season is required for credit to be granted. The grade will be issued on a pass (P) or fail (F) basis. Therefore, it will not affect a student’s grade point average.

Physical Education 9/10 (1203)

½ credit, required in Grades 9 and 10 if student is not doing the PE Option listed above
Daily, one semester – each year

This class is structured around three basic goals or ideas:

1. That physical development leads to improved mental development.
2. That man is a social creature, therefore, the contact offered the student will develop interest; thus, learning tends to occur.
3. Attempting to increase the skills in the student, build his strengths and develop his/her interests could lead to carry-over in adult life. Then, he/she could adapt past learning to the present.

The ultimate goal remains---reaching optimum physical and mental health.

Health (1205)

½ credit, only required if not previously completed in the eighth grade
Daily, one semester

The purpose of this class is to help students have healthy lifestyles. Some of the topics covered are: abuse of cigarettes, alcohol, and drugs; learning to understand and deal with emotions; human relationships; how the body functions; first aid; diseases; safety; and understanding the environment. Health is aimed toward the practical application by all students. CPR is practiced in this class, as it is required by the state.

SCIENCE

Three units of science are required for graduation.

PEC Science (1301)

(Physical, Earth & Chemical Science)
1 credit, Grade 9 required course
Daily, all year

This course is designed to introduce beginning students to the geophysical sciences. This course stresses the fundamentals of physics, and chemistry. Exercises in logical thinking skills and thought problems are also included. Class demonstrations, discussions, and lab experiences are the foundations of the course. This course is a graduation requirement.

Applied Biology (1302)

Prerequisite: P.E.C. Science
1 credit, Grades 10-12
Daily, all year

This course is the general study of plants, animals, and the human body. The course is designed to:

1. Give the student an adequate introduction to all the principles in the field of biology that can serve as a sufficient background for advanced work of personal interest.
2. Give the student an appreciation of the complexity of life and how the biological disciplines can be related to the human body.
3. Give the student knowledge through the application of the scientific method of reasoning.

This course is considered to be a college preparatory course.

Practical Biology (1303)

Prerequisite: P.E.C. Science
1 credit, Grades 10-12
Daily, all year

This course is a general study of plants, animals, ecology and the human body. This is a non-lab science course. While this course meets local graduation requirements, it is not considered a college preparatory course.

Chemistry (1305)

Prerequisite: Applied Biology, Algebra I

1 credit, Grades 11-12

Daily, all year

Chemistry is an introductory course that will enable the student to understand the basic concepts of chemical structure and function. The student will learn basic lab techniques, terminology, and problem solving. This preliminary background should prepare a student for a college chemistry course. Students planning to enter a science, medical, or engineering career should consider chemistry.

Integrated Science (1307)

Prerequisite: P.E.C. Science and Applied or Practical Biology

1 credit, Grades 11-12

Daily, all year

This course emphasizes the practical uses of the sciences (physical, life, and earth sciences) in everyday life. The course is not considered to be a college preparatory course; however it meets the new science requirements for graduation.

Anatomy & Physiology (1304)

Prerequisite: Applied Biology required, Chemistry recommended

1 credit, Grade 12

Daily, all year

Anatomy and Physiology is the study of the structure and function of the human body. In this course, students will learn about the integumentary, skeletal, muscular, nervous, cardiovascular, respiratory, urinary, endocrine, and reproductive systems. Students will also develop a variety of lab skills through the dissections of various organs and of preserved cats. Any student with an interest in a health or medical field should consider taking this course.

Physics (1306)

Prerequisite: Geometry

1 credit, Grade 12

Daily, all year

This is a study of the nature and behavior of physical phenomena. It is for the college bound student. It requires at least a good understanding of basic scientific principles and problem solving skills. The first half of the course is spent studying traditional mechanics, while the remainder of the course deals with wave motion & introduction to electricity.

SOCIAL STUDIES

Modern World History (1401)

1 credit, Grade 9 required course

Daily, all year

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

U. S. Studies from 1877 to the Present: Post-Reconstruction through the 20th Century (1402)

Prerequisite: World Studies

1 credit, Grade 10 required course unless the student opts to take AP American History

Daily, all year

This course is required for sophomores. Students will continue the chronological study of the history of the United States with emphasis on domestic affairs. This study incorporates each of the seven standards outlined in the curriculum developed by the Ohio Department of Education. As students study historic eras, they will consider the geographic, cultural, economic and governmental changes that have occurred. Students will develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

AP United States History (1406)

Prerequisite: "A" average in World Studies and/or teacher recommendation

1 credit, Grade 10 recommended (Grades 11 & 12 are also eligible)

Daily, all year

This course is an extensive and accelerated study of American History from colonization to the 21st century. Only those students who have an enthusiasm for history and a willingness to fulfill an advance work load should take this course. This course concludes with the students taking the National Advanced Placement History Exam which may qualify them for college credit. Students are required or responsible to pay half of the cost of the fee for this exam.

United States Government (1404)

Prerequisite: U. S. Studies

1 credit, Grade 11

Daily, all year

This required course for juniors is a study of our political system at the national, state, and local level. This course includes the following major topics: (1) An examination of our constitution, (2) a study of the congressional, presidential, and judicial branches of our government, (3) an outline of the political and civil rights of the American people, and (4) an examination of our political parties and the process of electing our public figures. This course will also include research and debate on current events and issues (pro and con) and their possible implementation.

AP United States Government & Politics (1405)

Recommended: Completion of AP U.S. History

1 credit, Grade 11

Daily, all year

This course is an advanced and detailed study into our country's government and political institutions. Students will learn about how our government works and the impact of current events upon our lives. A student who is interested in politics and is willing to work in an advanced course should take this course. This course concludes with the students taking the National Advanced Placement History Exam which may qualify them for college credit. Students are required or responsible to pay half of the cost of the fee for this exam.

World Geography (1407)

½ credit, grades 11-12

Daily, one semester

World Geography is a multicultural, cross-disciplinary course designed to provide an accurate and complete view of the ever changing world of which we are all a part. The course emphasizes physical geography (e.g., climate, earth processes, etc.) and human geography (e.g., world cultures, religions, beliefs, customs, economic development, etc.). Significant importance is placed on cultural understanding, map locations, critical thinking issues, usage of the internet in research, and problem solving skills.

This elective course will focus on public speaking and how to properly debate. Students will learn speaking tips, how to structure a debate argument, and will be able to practice these learned skills in a controlled classroom environment. Students who want to improve their public speaking as well as learn how to properly debate are encouraged to take this class. Interested students should see Mr. Gerding for more information.

Legends and History (1411)

½ credit, grades 11-12

Daily, one semester

This elective course will examine popular legends and myths and then relate them to the real-life history behind them. Students will learn the correct history behind the legends and myths that have inspired books, movies, music, and other media. Students interested in history as well as legends and myths should take this course. Interested students should see Mr. Gerding for more information.

Psychology (PS1409) - College Course – depends on availability of instructor from James A. Rhodes St.

½ credit, grades 11-12

Daily, one semester

This is a College Credit Plus course offered by James A. Rhodes State College at Kalida High School. Under the College Credit Plus Program as sponsored by the Ohio Department of Education, the cost of the course is paid by the school. The student must complete a James A. Rhodes State College application. James A. Rhodes State College reserves the right to accept or deny the student entrance into the program. The grade for the course is figured into the student's high school cumulative grade point average.

Introduction to Psychology includes basic historical as well as contemporary approaches to understanding human and animal behavior. Topics include temperaments, gender differences, maturation, and abnormal psychology. Individual studies correlating with classroom content are required including a research paper as well as an informal and formal group experiment and presentation.

TECHNOLOGY/PRE-ENGINEERING

Computer Applications (0315)

Prerequisite: Personal Typing completed in 7th grade.

½ credit, Grades 10 -12. Grade 10 students as space permits

Daily, 1 semester

This course is designed to introduce the student to essential concepts in computer terminology, hardware components, operating systems and software issues. The student will have hands-on introduction to word processing, spreadsheet, presentation, and database software using the windows operating environment. Students will be required to prepare letters, reports and other documents, and will be required to import data between the word processing, and spreadsheet software applications. **This course can be taken for college credit via James A. Rhodes State College.**

Introduction to Engineering Design (IED) (0801)

Project Lead the Way - second in a series of four courses

No prerequisite

1 credit, Grades 9-12

Daily, all year

Using 3-D computer modeling software, students learn the designing process, and that they solve design problems as they develop, analyze, and create product models. This is a project-based, hands-on course that will teach students the key elements and skills of engineering and technology-based careers by immersing them in rigorous engineering problems. **This course can be taken for college credit via James A. Rhodes State College.**

Principles of Engineering (POE) (0812)

Project Lead the Way -second in a series of four courses

Prerequisite: None
1 credit, grades 10-12
Daily, all year

This is the second course in the Project Lead the Way's 4-course sequence. This course provides an overview of engineering and engineering technology. Students develop problem solving skills by tackling real world engineering problems. Students will learn about engineering systems, statistics, materials and materials testing, thermodynamics, quality and reliability, programmable automation & robotics, & other principles of engineering. This is a project based hands-on-course that will focus on helping students gain knowledge to excel in high -tech fields.

Digital Electronics (DE) (0813)

Project Lead the Way – fourth in a series of four courses

Prerequisite: None
1 credit, grades 11-12
Daily, all year

Digital Electronics is the third course in the Project Lead the Way's 4-course pre-engineering sequence. Digital Electronics is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. **This course can be taken for college credit via James A. Rhodes State College.**

Civil Engineering and Architecture (CEA) (0823)

Project Lead the Way – fourth in a series of four courses

Prerequisite: None
1 credit, grade 12
Daily, all year

This course will introduce students to the fundamental design and development aspects of civil engineering and architectural planning. The curriculum covers topics such as the roles civil engineers and architects play, project planning, site planning, building design, project documentation and presentation. Project based learning activities employ state of the art CAD and stress analysis software, surveying instruments, and soil testing equipment. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resource, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design.

Robotics, Automation, & Programming (0824)

Prerequisites: Two previous PLTW pre-engineering classes: Principles of Engineering & Digital Electronics
½ to 1 credit, Grade 12
Daily, one semester or all year

This class is an independent study class where the student will be individually scheduled. The class can be taken in one or two semesters based on instructor's permission. Using skills and principles learned from previous Project Lead the Way classes, students will pursue concepts in robotics and programming. Students will use the VEX/RobotC platform and programming language to solve for engineering challenges. Students will also use skills from Digital Electronics as part of their design solutions. Students must be prepared to work on their own or in groups.

CAD I (0805)

Instructor permission required

½ credit, Grade 11-12, Individual Study (Grade 10 only if planning to attend Vantage)

Daily, one semester

Students will learn how to use AutoDesk AutoCAD, a 2 dimensional CAD program used in industry. Students will complete drawing and design assignments to learn how to apply the software in real-world applications. **This course can also be taken for college credit via James A. Rhodes State College.**

CAD II (807)

Prerequisite: CAD I

½ credit, Grade 11-12, Individual Study (Grade 10 only if planning to attend Vantage)

Daily, one semester

CAD II is an extension of CAD I. Students will learn how to use AutoDesk Inventor, a 3 dimensional CAD program used in industry. Students will focus on solving engineering design problems throughout the course.

Advanced CAD (0810)

Prerequisite: CAD I & II

½ credit, Grade 11-12

Daily, one semester

For those students who want to further their studies using CAD software. This course emphasizes design and development of engineering-related design problems. Students will use CAD software learned from CAD I and CAD II to develop design to problems and create working prototypes of their solutions.

Computer Animation (0811)

Prerequisite: CAD I and CAD II

1 credit, Grade 11-12

Daily, all year

Have you ever wondered how special effects were done in movies or games? Welcome to the world of animation! Using current animation software, students will design and develop 3-D models, animations, photo realistic graphics, and 3D games. It is a goal of the course to make 3-D models and make them move and animate. This is an independent-study oriented class.

Advanced Animation (0817)

Prerequisite: Computer Animation I

1 credit, Grade 11-12

Daily, all year

This course is for those students who wish to continue learning animation projects. This course will focus on expanding the knowledge of animation and applying to real-world design scenarios.

Computer Science & Software Engineering (CSE) (0825)

Project Lead the Way – fourth in a series of four courses

Prerequisite: None

1 credit, grade 11&12

Daily, all year

New technologies are responsible for the most life-altering advancements in recent years. Every field - including medicine and engineering, entertainment and business - has transformed thanks to computer science and will continue to evolve in unimaginable ways. PLTW's CSE course teaches students how to solve problems using computational thinking and skills. CSE introduces students to professional programming languages and platforms and encourages students to use these tools to discover, collaborate, and create. Using Python and other languages, students develop their own app, create dynamic websites, and construct their own graphical user interface.

COURSES AVAILABLE AT KALIDA HIGH SCHOOL

O = Odysseyware (online) Elective

Agriculture Education

| | | | |
|------------------------------------------------------------|--------|------------|----------|
| Agriscience 1 | (0101) | 1.25 units | Year |
| Agriscience 2 | (0102) | 1.25 units | Year |
| Agriscience 3 | (0103) | 1.25 unit | Year |
| Agriscience 4 | (0104) | 1.25 unit | Year |
| Agribusiness Systems (O) | (0105) | 1.25 units | Year |
| Introduction to Agriculture, Food, & Natural Resources (O) | (0106) | 1.25 units | Year |
| Animal Systems (O) | (0107) | 0.50 unit | Semester |
| Plant Systems (O) | (0108) | 0.50 unit | Semester |

Art

| | | | |
|------------------------------------------|--------|--------------|----------|
| Beginning Art | (0201) | 1.00 unit | Year |
| Intermediate Art | (0202) | 1.00 unit | Year |
| Intermediate Art A (1 st Sem) | (0206) | 0.50 unit | Semester |
| Intermediate Art B (2 nd Sem) | (0207) | 0.50 unit | Semester |
| Accelerated Art | (0211) | 1.00 unit | Year |
| Accelerated Art A (1 st Sem) | (0209) | 0.50 unit | Semester |
| Accelerated Art B (2 nd Sem) | (0210) | 0.50 unit | Semester |
| Advanced Art | (0212) | 0.50 /1 unit | Sem/Yr |

Biomedical Sciences – Project Lead the Way

| | | | |
|------------------------------|--------|-----------|------|
| Prin. of Biomedical Sciences | (0815) | 1.00 unit | Year |
| Human Body Systems | (0818) | 1.00 unit | Year |
| Medical Interventions | (0819) | 1.00 unit | Year |
| Biomedical Innovation | (0820) | 1.00 unit | Year |

Business

| | | | |
|------------------------------------|--------|-----------|----------|
| Accounting | (0301) | 1.00 unit | Year |
| Accounting II | (0302) | 0.50 unit | Semester |
| Business Communications (Yearbook) | (0313) | 1.00 unit | Year |
| Money Matters | (0304) | 0.50 unit | Semester |
| Business Law (O) | (0305) | 0.50 unit | Semester |
| Intro. Finance Careers (O) | (0306) | 0.50 unit | Semester |
| Intro. Marketing Careers (O) | (0307) | 0.50 unit | Semester |
| Essential of Business (O) | (0308) | 0.50 unit | Semester |
| Principles of Business (O) | (0309) | 0.50 unit | Semester |
| Small Business (O) | (0310) | 0.50 unit | Semester |

English

| | | | |
|----------------------|--------|-----------|----------|
| English 9 | (0901) | 1.00 unit | Year |
| English 10 | (0902) | 1.00 unit | Year |
| English 11 | (0903) | 1.00 unit | Year |
| Honor's English 11 | (0907) | 1.00 unit | Year |
| English 12 | (0905) | 1.00 unit | Year |
| AP English 12 | (0908) | 1.00 unit | Year |
| Fiction on Film | (0910) | 0.50 unit | Semester |
| Media Communications | (0911) | 0.50 unit | Semester |

Foreign Language

| | | | |
|------------------|--------|-----------|------|
| Spanish I | (0501) | 1.00 unit | Year |
| Spanish II | (0502) | 1.00 unit | Year |
| Spanish III | (0503) | 1.00 unit | Year |
| Spanish IV | (0504) | 1.00 unit | Year |
| American Sign I | (1501) | 1.00 unit | Year |
| American Sign II | (1514) | 1.00 unit | Year |

CCP = College Credit Plus eligible course

Mathematics

| | | | |
|--------------------|--------|-----------|----------|
| Applied Algebra A | (1001) | 1.00 unit | Year |
| Applied Algebra B | (1006) | 1.00 unit | Year |
| Algebra I | (1002) | 1.00 unit | Year |
| Algebra II | (1003) | 1.00 unit | Year |
| Applied Algebra II | (1008) | 1.00 unit | Year |
| Geometry | (1004) | 1.00 unit | Year |
| Statistics | (1011) | 0.50 unit | Semester |
| Advanced Math/Trig | (1005) | 1.00 unit | Year |
| Beginning Calculus | (1010) | 0.50 unit | Semester |
| College Algebra | (1017) | 1.00 unit | Year |

Music

| | | | |
|------------------|--------|-----------|----------|
| Band | (1101) | 1.00 unit | Year |
| Chorale | (1102) | 1.00 unit | Year |
| Music Technology | (1108) | 0.50 unit | Semester |
| Show Choir | (1107) | 0.50 unit | Year |
| Pep Band | (1104) | 0.50 unit | Semester |
| Color Guard | (1100) | 0.50 unit | Season |

Physical Education and Health

| | | | |
|-------------------------|--------|-----------|----------|
| Physical Education 9/10 | (1203) | 0.25 unit | Semester |
| Health | (1205) | 0.50 unit | Semester |

Science

| | | | |
|--------------------|--------|-----------|------|
| P.E.C. Science | (1301) | 1.00 unit | Year |
| Applied Biology | (1302) | 1.00 unit | Year |
| Integrated Science | (1307) | 1.00 unit | Year |
| Chemistry | (1305) | 1.00 unit | Year |
| Anatomy/Physiology | (1304) | 1.00 unit | Year |
| Physics | (1306) | 1.00 unit | Year |

Social Studies

| | | | |
|---------------------------|--------|-----------|----------|
| Modern World History | (1401) | 1.00 unit | Year |
| U. S. Studies (1877-Pres) | (1402) | 1.00 unit | Year |
| AP U.S. History | (1406) | 1.00 unit | Year |
| U. S. Government | (1404) | 1.00 unit | Year |
| AP Government | (1405) | 1.00 unit | Year |
| Legends of History | (1411) | 0.50 unit | Semester |
| World Geography | (1407) | 0.50 unit | Semester |
| Psychology (CCP) | (1409) | 1.00 unit | Semester |

Technology/Pre-Engineering

| | | | |
|---------------------------------------------|--------|------------|----------|
| Computer Applications(CCP) | (0315) | 0.50 unit | Semester |
| CAD I (CCP) | (0805) | 0.50 unit | Semester |
| CAD II | (0807) | 0.50 unit | Semester |
| Advanced CAD | (0810) | 0.50 unit | Semester |
| Computer Animation | (0811) | 1.00 unit | Year |
| Computer Animation II | (0817) | 1.00 unit | Year |
| Intro. To Engineering (CCP) | (0801) | 1.00 unit | Year |
| Principles of Engineering | (0812) | 1.00 unit | Year |
| Digital Electronics (CCP) | (0817) | 1.00 unit | Year |
| Civil & Architecture | (0823) | 1.00 unit | Year |
| Robotics, Automation, & Programming | (0824) | 0.5-1 unit | Sem/Yr |
| Computer Programming & Software Engineering | (0825) | 1.00 unit | Year |