

KEOTA

Jr./Sr. High School



Course Description Booklet

2024-2025

(revised 8-12-24)

2024 Graduation Requirements 2025

**** All students MUST carry a minimum of 6.5 credit EACH semester ****
(unless approved by Principal)

Core Graduation Requirements (28 credits required):

ACADEMICS:

4 years of English – 8 credits total

Freshman Year: English 9 – 1 year

Sophomore Year: English 10 – 1 year

Junior Year: Choose 1 Lit. Class:

American Literature **OR** World Literature – 1 year

Senior Year (Sem. 1): Choose 1 Required Class:

Practical English **OR** Composition I - **1st Sem**

May also take Elective Class: Publications – **1st Sem**

Senior Year (Sem.2): Choose 1 Elective Class:

Creative Writing, Communications,

Publications, or Composition II - **2nd Sem**

3 years of Science – 6 credits total

Biology – 1 year

Physical Science – 1 year

Chemistry **OR** Environmental Science – 1 year

3 years of Social Studies – 6 credits total

U.S. History – 1 year

U.S. Government - 0.5 year

3 Core Electives – 1.5 years

3 years of Math – 6 credits total

Pre-Algebra – 1 year (*optional with instructor's approval*)

Algebra 1 – 1 year (*required*)

Geometry – 1 year (*required*)

Algebra II – 1 year (*required*)

Pre-Calculus – 1 year (*required for those who have taken*

Alg. I as an 8th grader)

Non-Proficient Mediation Requirement - English and Math Remediation

The Keota CSD assesses all students using Iowa Testing. If a student does not test proficient in the area of English (ELA) or math, the Keota Board of Education requires all students that are not proficient to take a remediation course during the next school year following the test performance. Based on our Iowa Testing reports, the student will automatically be placed in the remediation program with no exceptions to this rule.

- Students will receive Pass/Fail elective credit for the class.

Business Computer Applications – 1 Semester = 1 credit total

Physical Education – required every year for all year unless it does not fit into a student's schedule or an athletic waiver applies – in accordance with the State of Iowa. Students will receive 0.5 credit per semester.

CPR Certification

Elective Credit (20 credits required)

Total Credits Required for Graduation – 48 credits

All students will take required core credits for graduation at Keota High School. If a course does not fit in a student's schedule over four years of high school attendance, an exception may be made and other courses could be accepted.

EARLY GRADUATION POLICY:

IF A STUDENT WISHES to graduate prior to the completion of grade twelve, the student and his/her parent(s) must meet with the guidance counselor to consider all ramifications of such a decision. The principal, counselor, and superintendent will follow a checklist of criteria. Following the conference, the student and his/her parent(s) may petition the principal for early graduation. The principal will then meet with the student and his/her parent(s) to discuss policies and procedures for early graduation. Following this meeting, the principal will make a recommendation to the superintendent who will then make a recommendation to the Board of Education if early graduation is merited.

Students who select and are approved for early graduation shall forfeit their eligibility as a student to participate in extra-curricular activities, and other school activities. After all course work is completed and the student has completed the appropriate check out procedures and forms, the student's status will become that of a post-secondary student.

Students who select and are approved for early graduation will be entitled to participate in the commencement program with their graduation class if they so choose.

AGRICULTURE

AFNR (Intro to Agriculture, Food, & Natural Resources)	2 credits/yr.
Ag Metals	1 credit/sem.
Ag Construction	1 credit/sem.
Ag Senior Shop (Senior projects)	1 credit/sem.
Animal Science	2 credits/yr.
Farm Business Management (concurrent enrollment-IHCC)	1 credit/sem.
Plant Science	2 credits/yr.
Principles of Horticulture (concurrent enrollment-IHCC)	1 credit/sem.
Survey of the Animal Industry (concurrent enrollment-IHCC)	1 credit/sem.
7 th Gr. Explo. Agriculture Science	0.5 credits/qtr.
8 th Gr. Explo. Agriculture Science	0.5 credits/ qtr.

COMPUTER

(graduation requirement)

1 credit

AP Computer Science A	2 credits/yr.
Computer Applications	1 credit/sem.
Computer Science Principles	2 credits/yr.
7 th Computer Science Explorations 1	0.5 credits/qtr.
8 th Computer Science Explorations 2	0.5 credits/qtr.

FINE ARTS

Art I	1 credit/sem.
Art History & Appreciation I (Pre-Historic - Renaissance)	0.5 credit/sem.
Art History & Appreciation II (Renaissance - Modern)	0.5 credit/sem.
Art Study	1 credit/sem.
Ceramics	1 credit/sem.
Design	1 credit/sem.
Painting	1 credit/sem.
Printmaking	0.5 credit/sem.
Studio Workshop	1 cr/sem. or 2 credits/yr.
Exploratory Art 7	0.5 credits/qtr.
Exploratory Art 8	0.5 credits/qtr.

FOREIGN LANGUAGE (ALL On-Line Classes)

Spanish I	2 credits/yr.
Spanish II	2 credits/yr.
Spanish III	2 credits/yr.

ENGLISH/LANGUAGE ARTS

(graduation requirement)

8 credits

American Literature	2 credits/yr.
Communications	1 credit/sem.
IHCC Composition I - (concurrent enrollment - IHCC)	1 credit/sem.
IHCC Composition II - (concurrent enrollment - IHCC)	1 credit/sem.
Creative Writing	1 credit/sem.
English 9	2 credits/yr.
English 10	2 credits/yr.
Publications I, II, III, IV	1 credit/sem.
Practical English	1 credit/sem.
World Literature	2 credits./yr.
JH Reading (7 & 8)	2 credits/yr.
Language Arts 7	2 credits/yr.
Language Arts 8	2 credits/yr.

MATHEMATICS

(graduation requirement)

6 credits

Algebra I	2 credits/yr.
Algebra II	2 credits/yr.
Calculus	2 credits/yr.
Functions, Statistics & Trigonometry (FST)	2 credits/yr.
Geometry	2 credits/yr.
Practical Finance (NOT a math credit)	2 credits/yr.
Pre-Algebra	2 credits/yr.
Pre-Calculus	2 credits/yr.
Math 7	2 credits/yr.
Math 8	2 credits/yr.

MUSIC DEPARTMENT

Advanced Music History	1 credit/sem.
Advanced Music Theory	1 credit/sem.
American Music Theatre	1 credit/sem.
American Music Theatre II	1 credit/sem.
Applied Voice (concurrent enrollment-IHCC)	1 credit/sem.
Beginning Music History	1 credit/sem.
Beginning Music Theory	1 credit/sem.
High School Chorus	0.5 credit/sem.
Instrumental Music	0.5 credit/sem.
Music Appreciation (concurrent enrollment-IHCC)	1 credit/sem.
Music Theory 1-6 (concurrent enrollment-IHCC)	1 credit/sem.
Jr. High Chorus (7 & 8)	0.5 credits/sem.
Jr. High Band (7 & 8)	0.5 credits/sem.

PHYSICAL EDUCATION

Personal Health	1 credit/sem.
Co-Ed Physical Education	0.5 credits/sem.
JH Physical Education (7 & 8)	0.5 credits/sem.

SCIENCE

(graduation requirements)

6 credits

Biology	2 credits/yr.
Chemistry	2 credits/yr.
Environment Science	2 credits/yr.
Physical Science	2 credits/yr.
*Science Fair (<i>Counselor & teacher's signature required</i>)	0.5 credit or 1 credit/yr.
Science Research Methods	2 credits/yr.
Integrated Science 7	2 credits/yr.
Integrated Science 8	2 credits/yr.

SOCIAL STUDIES

(graduation requirement)

6 credits

Advanced Sociology	1 credit/sem.
Advanced Psychology	1 credit/sem.
Economics	1 credit/sem.
Intro to Political Theory	1 credit/sem.
Intro to Psychology (concurrent enrollment - IHCC)	1 credit/sem.
Military History	1 credit/sem.
Psychology	1 credit/sem.
Recent U.S. History A	1 credit/sem.
Recent U.S. History B	1 credit/sem.
Sociology	1 credit/sem.
U.S. Government	1 credit/sem.
U.S. History	2 credits/yr.
World Geography	1 credit/sem.
World History	1 credit/sem.
Social Studies 7	2 credits/yr.
American History 8	2 credits/yr.

CAREER EDUCATION

Job Shadowing	No credit
Work Experience Program - 1 cr. (Juniors)	1 credit/sem. Work
Experience Program - 2 cr. (Seniors)	2 credits/sem.

YEARBOOK (Yearbook is a year-long course and CAN NOT be dropped at the semester)

Yearbook I	1 credit/yr.
Yearbook II	1 credit/yr.

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SENIOR YEAR PLUS Concurrent Credit Options

Senior Year Plus serves as an umbrella for a variety of programs designed to provide high school students access to courses that have the potential to generate college credit.

Student Eligibility Requirements

To participate in Senior Year Plus programming, students must meet the academic requirements of both the school district and the postsecondary institution.

- At the school district level, students interested in Arts & Science courses must demonstrate proficiency on the state tests in all three academic areas. This is primarily determined using the students' most recent scores on the designated state required test. ISASP levels below.

ISASP English Language Arts Performance Levels

Grade	Not-Yet-Proficient	Proficient	Advanced
8	385 to 493	494 to 593	594 to 720
9	410 to 504	505 to 617	618 to 750
10	435 to 529	530 to 641	642 to 780
11	460 to 560	561 to 659	660 to 800

ISASP Math Performance Levels

8	385 to 489	490 to 605	606 to 720
9	410 to 512	513 to 625	626 to 750
10	435 to 536	537 to 653	654 to 780
11	460 to 558	559 to 674	675 to 800

ISASP Science Performance Levels

8	385 to 507	508 to 608	609 to 720
10	435 to 544	545 to 655	656 to 780

- If a student is not proficient in one or more areas, but wishes to enroll in an Arts & Science course, he/she must meet an alternate proficiency requirement. Three options are available as alternate proficiency measurements: (1) an Accuplacer recommended cut score for the individual course as determined by the community college, (2) only proficient in the area they wish to take concurrent courses, (3) the student shall have previous high school course performance of a "B-" or higher linked to the intended college course enrollment (discipline/subject specific).

- Career Technical programs/courses do not require proficiency for eligibility. See your counselor for more information.
- At the college level, students must meet any assessment requirements of a postsecondary institution including any placement exam requirements of the institution.

CONCURRENT ENROLLMENT

The concurrent enrollment program promotes rigorous academic or career and technical pursuits by providing opportunities for high school students through community colleges. Per Senior Year Plus, concurrent enrollment courses are offered through contractual agreements between community colleges and school districts within their service area.

IMPORTANT: College credit obtained may or may not transfer to a higher-level institution. Students and/or parents should contact the university or college choice to make sure that what they are planning to take will transfer to the specific major or particular field of study of the student.

Add, Drop, and Withdraw for IHCC Courses:

Adding a course: No course additions are permitted after the 5th day of the fall, winter, and spring term. Contact your school counselor immediately to add a class online, on IHCC campus, or at KHS.

Dropping a course: Keota students have eight days after the beginning of the Indian Hills Community College term to drop an IHCC class. Students must communicate with their school counselor to complete the request. If a student drops an IHCC class, there is no record on their transcript they took the class and the student will find an alternative class to enroll in at KHS if the class is needed for graduation or to complete the student's schedule.

Withdrawing from a course: Keota students who are enrolled in IHCC classes have the option to withdraw from classes. Students may withdraw from the course from the ninth day of the term until two weeks before the term ends. Students and families will be communicated with by KHS staff when those deadlines are for each term.

During this period, students wishing to withdraw from class should speak with their school counselor. A withdrawn class will appear on the permanent college transcript and high school transcript as a "W" which signifies the withdrawal and no credit will be earned.

WHAT DOES "COLLEGE"

REALLY MEAN?

"College" is a broad term that encompasses all options after high school that lead to what employers are looking for, or that leads to further education or training including:

2 year and 4 year institutions, certificates,

diplomas, apprenticeships, military and more!

NCAA CLEARINGHOUSE

For students who potentially might play athletics in college, specific courses meet eligibility standards for freshman participation at member NCAA Division I and II schools. Courses are designated as Approved or Not Approved for the NCAA Clearinghouse. The Counseling Office has further information for questions about the college-bound athlete.

TRANSFER IN IOWA TRANSFERRING COMMUNITY COLLEGE CREDIT

The state of Iowa has a rich tradition of providing quality post-secondary educational opportunities for its citizens that also attracts students from all over the country and world. Today, Iowa's three Regent universities and 15 community colleges serve more than 150,000 students annually!

Iowa's Regent universities and community colleges have joined to create a website dedicated to seamless transfer. Their intent is simple - to create a one-stop resource to help students and families plan for their future.

The number one question transfer students ask is "How will my credits transfer?" Follow the 'Transferring Your Credit' links on the Transfer in Iowa website to discover how your courses may transfer to the Regent universities. You are invited to explore, discover, and continue to dream big. Visit www.transferiniowa.org for more information.

REGENT ADMISSION INDEX (RAI) COLLEGE ENTRANCE REQUIREMENT

Students from Iowa high schools planning to begin their studies in the fall 2009 or later must have a Regent Admission Index score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at The University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The index combines four factors that strongly predict success as regent universities: ACT or SAT test score, high school rank, high school cumulative grade point average, and the number of completed high school core courses.

Visit www.regents.iowa.gov/RAI/ for more information or to calculate your RAI. See your Counselor for more information.

FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA)

The *Free Application for Federal Student Aid*, or FAFSA, is the first step in the financial aid process when looking for funding available to pursue postsecondary education. Use it to apply for federal student financial aid, such as the Pell Grant, student loans, and college work-study. In addition, most states and schools use FAFSA information to award their financial aid. For more information visit www.studentaid.gov.

Keota High School Online Program 24/25

Keota High School offers an abundance of rigorous electives through the IMAGINE EDGENUITY (IE) online software program. In the past these types of programs have typically been used by schools for credit recovery (if a student fails a class), but yet Imagine Edgenuity's original credit classes offer so much more.

PLEASE let the school counselor, Colleen.Donald@keota.k12.ia.us or administrator, Lisa.Brenneman@keota.k12.ia.us know IMMEDIATELY if you wish to add Spanish I, II or III to your schedule. Many colleges and universities require two years of Spanish and The University of Iowa requires four years to graduate, but will accept four years of high school Spanish to meet the requirement.

The electives offered give students an opportunity to take classes in their unique interest area through the online format. Since Keota does not have a Business teacher, we are offering some great business electives through this program in addition to many others. From "Forensics: Secrets of the Dead" to a course in cosmetology, all students should be able to find something that fits their interests. Core classes required for graduation will not be offered through this online program without the administration's permission.

As your administrator, I have extensive experience with this program and can vouch for the rigor of the curriculum when delivered with integrity. Our delivery structure will preserve the high-quality Keota expects of its curriculum.

The following are some important facts about the program and how it works:

1. Access to Imagine Edgenuity (IE) is through the IE website. Progress is followed directly on the site and the student's progress report will be sent at the end of the quarter based on where the pace of the class states they should be. The final grade will be posted at the end of the semester on PowerSchool.
2. If the student does not complete 100% of an original credit class (a class they have not taken previously) by the end of the semester they will receive an F. The 100% ensures that all the required curriculum is covered.
3. Parents will receive weekly progress reports through email, and communication from Amy Hemsley if the students do not keep up with the pace of the class.
4. Students will be assigned to the IE lab (run by Amy Hemsley) for one period a day in their schedule. During their IE class period they will be expected to use the Chromebook they are assigned the first day of school, and **NO OUTSIDE DEVICES** are allowed.
5. It is required that quizzes and tests are opened by Amy Hemsley, and students will be monitored closely while testing.
6. Students can work on their lessons outside of the school day. As they work, they will skip quizzes and tests and take them the next opportunity they have to be with Amy for monitoring. This allows students to work at their own pace as long as they are keeping up with the pace required to receive a grade at the quarter, and finish the class by the end of the semester.

Keota Imagine Edgenuity Course List 24/25

Course Descriptions can be accessed using this link:

<https://www.imaginelearning.com/pdf-viewer/?file=https://www.imaginelearning.com/wp-content/uploads/2022/10/EDG-Course-list-Iowa.pdf#zoom=auto&pagemode=none>

Imagine Edgenuity

These courses are intended to give students exposure to different types of careers and the student will have a Keota High School teacher do the grading and provide minimal support:

The District must pay extra for many of these courses. Therefore, the student(s) will need to show progress in order to stay enrolled.

Electives Available Through Online Imagine Edgenuity

*** Indicates that Keota Admin permission is required**

Misc. Classes

- Strategies for Academic Success
- * Archaeology
- * History of the Holocaust
- * Hospitality & Tourism
- * Hotel Management
- * Theater, Cinema, Film Production1 credit/sem.
- Introduction to STEM
- Climate & Culture Transformation
- Fundamentals of Digital Media
- Science and Mathematics in the Real World
- Cosmetology
- Interior Design

Business Classes

- Business Computer Information Systems
- Business Information Management
- Business: Banking Services Careers
- Business: Business Law
- Business: Careers in Marketing Research
- Business: Introduction to Business
- Business: Introduction to Careers in Finance
- Business: Keyboarding and Applications
- Business: Small Business Entrepreneurship
- Business: Technology & Business

Career Classes

- Career Exploration

- Career: College & Career Readiness
- Careers in Allied Health
- Careers in Logistics Planning & Management Services
- Careers: Introduction Careers in Architecture & Construction
- Careers: Introduction to Careers in Transportation, Distribution & Logistics

Engineering

- Engineering & Design
- Engineering & Product Development

Health Classes

- Health Science Concepts
- Health, Safety & Ethics in the Health Environment
- Health: Art of Restoring & Maintaining Wellness
- Health: Character & Leadership Development
- Health: Contemporary Health
- Health: Discovering the Big Picture in Health Care
- Health: Foundations of Personal Wellness
- Health: Introduction to Careers in the Health Sciences
- Health: Introduction to Health Science
- Health: Medical Terminology
- Health: Mental Health & Wellness
- Health: Nursing Assistant
- Health: Nursing: Unlimited Possibilities & Unlimited Potential
- Health: Personal Development
- Health: Pharmacy Technician
- Health: Physicians, Pharmacists, Dentists, Veterinarians Doctors
- Health: Restorative Practices and Principles
- Health: Social & Emotional Success
- * Health: Sports Medicine
- Health: Trauma-Informed Living
- Healthy Living

Human Services

- Human Services: Corrections Policies & Procedures
- Human Services: Family & Community Services
- Human Services: Fire & Emergency Services
- Human Services: Food Safety & Sanitation
- Human Services: Forensics Using Sciences to Solve a Mystery
- Human Services: Intro to Careers in Education & Training
- Human Services: Intro to Careers in Government & Public Administration
- Human Services: Intro to Consumer Services
- Human Services: Intro to Human Growth and Development
- Human Services: Intro to Human Services
- Human Services: Intro to Law, Public Safety, Corrections & Security
- Human Services: Law Enforcement Field Services
- Human Services: Legal Services
- Human Services: Marketing and Sales for Tourism & Hospitality
- Human Services: Personal Care Services

- Human Services: Planning Meetings and Special Events
- Human Services: Security and Protective Services
- Human Services: Sustainable Management for Hospitality & Tourism
- Human Services: Teaching and Training Careers
- Human Services: Transportation and Tours for the Traveler
- Human Services: Criminology
- Human Services: Real World Parenting

Languages

- Languages Chinese 1
- Languages Chinese 2
- Languages Chinese 3
- Languages French 1
- Languages French 2
- Languages French 3
- Languages German 1
- Languages German 2
- Languages German 3
- Languages Latin 1
- Languages Latin 2
- Languages Spanish 1
- Languages Spanish 2
- Languages Spanish 3
- * American Sign Language

Test Preparation

- Test Prep: Accuplacer
- Test Prep: ACT
- Test Prep: ACT Work Keys
- Test Prep: ASVAB
- Test Prep: PSAT
- Test Prep: SAT

Keota High School

Online Alternative Learning Program 24/25

Keota High School provides an Alternative Learning Program and environment for students who have not been successful in the traditional high school setting or whose educational needs would be better served in an individual environment. Students work in a classroom with guidance through their educational journey. They take classes through Imagine Edgenuity with the goal of high school graduation.

Keota's Alternative Learning Program recognizes that every student has value and can learn. Through providing a safe environment and well-rounded education, we will celebrate the success of these life-long learners.

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COURSE SELECTION:

THOSE STUDENTS needing assistance in course selection should contact the guidance counselor or the principal. For a complete list of offerings, contact the office. All pre-registration materials will be given to students in April preceding the next school year. Students are also encouraged to speak to their instructors for academic counseling.

Dropping classes at semester time:

If a class is one year long, then students will be expected to complete BOTH semesters of that class. **Students wishing to drop a one year long class at the conclusion of the first semester must obtain a DROP/ADD Class Form from the office/guidance counselor and return it to the office/guidance counselor with signatures from both the teacher of the class you are dropping or adding and also your parent(s) before your schedule will be changed.**

Students dropping classes have 5 days at the beginning of the semester to drop a class. After these 5 days, a failing grade may be assigned.

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It is the policy of the Keota Community School District not to illegally discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age, marital status, sexual orientation, gender identity or SES in its education programs or employment practices. The Keota Community School District is required by Title VI and VII of the 1964 Civil Rights Act, Title IX of the 1972 Education Amendments, and the Federal Rehabilitation Act of 1973 and the regulations thereunder not to discriminate in such a manner.

The curriculum content and instructional materials utilized by the Keota Community School District reflects the cultural and racial diversity present in the United States and the variety of careers, roles, and life styles open to women as well as men in our society.

AGRICULTURE DEPARTMENT

1ST SEM. ONLY

Ag Metals 1 st Semester only	Grades 10-12	Elective Prereq. - AFNR	4 days/week 1 credit
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Considerations: This class is a good sequence with AFNR.

The students will learn the fundamentals of the welding and metal trades. Then they will apply those skills to create basic projects and detailed projects if time allows.

This course is designed to familiarize the students with basic theory and welding techniques. Students will learn safe metalworking practices when welding in the high school shop. Students will receive instruction in all related areas of the welding trades. They are introduced to project plans, welding symbols, and general cost. Students will learn to weld using ARC and MIG as well as cut with oxy-Acetylene gases and plasma cutting. Included in the course students will learn necessary communication skills to get and keep a job. Opportunities will be available for participation in FFA career development events using skills acquired in the course.

Farm Business Management (Concurrent Enrollment - IHCC) 1 st Semester	Grades 9-12	Elective Prereq.- None	4 days/week 1 credit
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This class is a concurrent college level class offered at Keota High School. This class is open to juniors and seniors that have an interest in learning about ag business. This course applies business and economic principles of decision making and problem solving in the management of a farm business. It covers cash flow, partial, enterprise, and whole farm budgeting. It reviews information systems for farm accounting, analysis, and control. It examines obtaining and managing land, capital, and labor resources. It provides alternatives for farm business organization and risk management.

Survey of the Animal Industry (Concurrent Enrollment - IHCC) 1 st Semester	Grades 9-12	Elective Prereq.- None	4 days/week 1 credit
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This class is a concurrent college level class offered at Keota High School. This class is open to juniors and seniors that have an interest in learning more about livestock. This course discusses the integration of livestock in a sustainable farming system including small-scale production for niche markets. Topics include appropriate breed selection, nutrition, reproduction, diseases, processing, land management for hogs, poultry, cattle, sheep, and goats. Lab work required.

2ND SEM. ONLY

Ag Construction 2 nd Semester only	Grades 10-12	Elective Prereq. - AFNR	4 days/week 1 credit
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Considerations: This class is a good sequence with AFNR.

The students will learn the fundamentals of the construction trades. Then they will apply those skills to a project of their own. In Ag Construction students will learn skills that they will be able to use in the practical world.

This class will introduce the student to the skills needed to plan and construct buildings used in agricultural settings. Topics that will be covered include: hand power tool safety and uses, pole frame and stud frame buildings and basic electrical wiring. Projects will be constructed depending on time allowed.

Ag Senior Shop 2 nd Semester	Grade 12	Elective Prereq. - Permission from Instructor	4 days/week 1 credit
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Considerations: This class is a good sequence with Ag Construction and/or Ag Metals.

The students will work individually on projects throughout the semester. Students will complete at least three projects - one to be sold at the FFA banquet, one for themselves, and a community service project.

This course will allow students to use the knowledge they have learned in prior agriculture and industrial arts classes to conduct projects of their own choosing. Projects could include, but not limited to: woodworking and construction, electricity, welding or tractor and farm machinery repair and restoration.

Principles of Horticulture (Concurrent Enrollment – IHCC) 2 nd Semester	Grades 11-12	Elective Prereq. – None	4 days/week 1 credit
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Considerations: This is a concurrent college level class offered at Keota High School. This class is open to juniors and seniors that have an interest in learning more about plants and the horticultural industry.

This course will provide the students essential knowledge and skills necessary for a solid orientation in the Horticulture field. Areas of study include climate and plant growth, botanical nomenclature, anatomy, propagation, plant nutrition, and an introduction to the diverse career field involved with the horticulture industry.

Qtr. Length Classes

7th & 8th Expl. Agriculture Science 1 Qtr. only per grade level	Grades 7 & 8	Required Prereq. – none	4 days/week 0.5 credits
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The goal of this course is to introduce students to the World and U.S. Agriculture. Students may explore animal science, plant science, ag careers, public speaking, leadership, ag shop projects and future enrollment in the FFA. The students 7th grade year will be more plant based driven and 8th grade year will be animal based. Each year the students will have the opportunity to construct a wood project in the shop towards the end of the quarter.

1 YEAR COURSE

AFNR
1 year course
credits

Grades 9-12

Elective
Prereq. - None

4 days/week
2



Considerations: This class is for students who have not taken an Agricultural Class before. Students who have taken an Agricultural Education course before must get prior approval before taking this class.

The ***Introduction to Agriculture, Food, and Natural Resources (AFNR)*** course is the first course in the Curriculum for Agricultural Sciences (CASE) sequence of classes. Students will experience exciting “hands-on” activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. The knowledge and skills students develop will be used in future courses within the CASE program.

Animal Science
1 year course

Grades 10-12

Elective
Prereq. - AFNR

4 days/week
2 credits

This course is a foundation-level course designed to engage students in hands-on laboratories and activities to explore the world of animal agriculture. Student experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing.

Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel face in their respective careers. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

Plant Science
1 year course

Grades 10-12

Elective
Prereq. - AFNR

4 days/week
2 credits

- May be used as a regular elective or a science elective

Plant Science is a foundation-level course that will teach students about the form and function of plant systems. Students are immersed in inquiry-based exercises filled with activities, projects, and problems to teach them plant concepts through laboratory and practical experiences. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, the local, and the global economy.

Lessons throughout the course will provide an overview of the field of agricultural science with a foundation in plant science. These lessons include working in teams and exploring hands-on projects. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists face in their respective careers.

COMPUTER SCIENCE DEPARTMENT

1 YEAR COURSE

Computer Science Principles 1 year course	Grades 9-12	Elective Prereq.- Alg. I grade of "C" or above, or upon Instructor's approval	4 days/week 2 credits
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This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science using Python programming language. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science A courses. Students should have a strong understanding of high school algebra concepts prior to taking this course.

AP Computer Science A 1 year course	Grades 10-12	Elective Prereq.- Alg. I & "C" or above in Computer Science Principles	4 days/week 2 credits
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AP Computer Science A is an introductory college-level computer science course using the Java programming language. This course is recommended for students who choose to continue their computer science education after completing Computer Science Principles. In this year-long course, students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Since this course requires a strong foundation in mathematical reasoning, students must have successfully completed Algebra I with a grade of "C" or above prior to taking this course. Students who elect to take the AP test may be eligible to receive college credit depending on the college's AP credit policy.

1st OR 2nd Semester

Computer Applications 1 st Sem. or 2 nd Sem.	Grades 9	Required	4 days/week 1 credit
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This course provides skills for those who have little to no experience. Students will learn computer applications and information management skills from Goggle Apps, Google Mail, Google Sheets, Google Docs, and Google Slides. Students will create a variety of different projects using these applications and will explore some internet applications and personal security on social media as well.

Qtr. Length Classes

7th Computer Science Explorations 1 1 Qtr. Only	Grade 7	Required	4 days/week 0.5 credit
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Computer Science Explorations 1 (CSE 1) is an introductory computer science course designed to empower students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. In this course, students will learn foundational concepts and skills of computer science and programming, and students will explore using computers to solve problems and express themselves. Designed to be engaging and relevant to student life, students build, remix, and share their animations, games, stories, music, and art in an engaging and collaborative environment.

8th Computer Science Explorations 2 1 Qtr. Only	Grade 8	Required	4 days/week 0.5 credit
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Computer Science Explorations 2 (CSE 2) is an introductory course designed to help students explore Artificial Intelligence (AI) and its far-reaching societal impacts in our world. The course is designed around engaging activities and learning units that integrate foundational AI concepts and real-world applications with ethical design and responsible use, as students explore how these technologies can help solve problems and improve life for themselves and their communities.

ENGLISH/LANGUAGE ARTS DEPARTMENT

1 YEAR COURSE

American Literature 1 year course	Grade 11	Required Prereq.- none	4 days/week 2 credits
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American Literature's purpose is to analyze, evaluate, and comprehend U.S. documents and literature specific to the United States from Native American writing to the beginning of the 1900s. The literacy time spans will follow our nation's development by emphasizing key eras of literature. Also, this course will focus on leading authors of each era who demonstrate the important components that distinguish one era from the next. Students will utilize skills in reading, writing, speaking, and listening.

English 9 1 year course	Grade 9	Required Prereq.- none	4 days/week 2 credits
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English/Language Arts 9 emphasizes grammar, vocabulary, word usage, and mechanics of writing. While reading a variety of literature, students will further develop the four aspects of language use: reading comprehension, writing, speaking, and listening skills. Readings include short stories/fiction, nonfiction, mythology, poetry, and informational texts. Critical thinking skills will be fostered through writing exercises linked to reading selections as well as formal writing assignments and presentations.

English 10 1 year course	Grade 10	Required Prereq.- none	4 days/week 2 credits
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English 10 covers a variety of selections ranging from articles and essays to film clips and advertisements to stories and novels. Skills in analyzing and evaluating nonfiction and fictional texts will be developed through inquiry and exploration. Critical and creative writing skills will be enhanced by students imitating mentor texts and applying conventions to their own writing. Compositions will synthesize information from various sources to inform, argue, and connect following MLA guidelines. Students will explore, inquire, and read in order to compose and communicate effectively.

World Literature 1 year course	Grade 11	Required Prereq.- none	4 days/week 2 credits
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World Literature's purpose is to analyze, evaluate, and comprehend literature from different cultures and countries from around the world. Thematic units will focus on different genres, styles, and content of literature from various places to demonstrate how universal themes have changed and developed over time. The nonfiction and fictional selections covered in this class will range from creation myths and the first stories ever written to novels written in the 21st century. Students will utilize skills in reading, writing, speaking, and listening.

7th Reading 8th Reading 1 year course	Grades 7 & 8	Required	4 days/week
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This course emphasizes the development of critical reading skills. A variety of literature and informational text of steadily increasing sophistication is used. Through close reading, critical writing, class discussions, and presentations, students deepen their ability to analyze, evaluate, and critique text independently. Students actively seek to understand other perspectives and cultures through reading and listening. Technology is used thoughtfully to enhance and integrate reading, writing, speaking, listening and language use.

Language Arts 7 1 year course	Grade 7	Required	4 days/week
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LA 7 emphasizes the improvement and application of language conventions (e.g. grammar, spelling, punctuation, usage, and capitalization) while speaking and writing. By understanding and using the writing process, students will learn to effectively communicate, plan and revise writing, and develop the ability and skills to compose a variety of effective paragraphs and essays. Students will inquire, explore, and research to help develop writing as well.

Language Arts 8 1 year course	Grade 8	Required	4 days/week
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LA 8 emphasizes the improvement and application of language conventions (e.g. grammar, spelling, punctuation, usage, and capitalization) while speaking and writing. Critical and creative writing skills will be developed by following the writing process for a variety of purposes and audiences. Through various activities, students will develop the ability to plan and revise paragraphs, research and synthesize information, and generate and cite sources. Special emphasis will be placed on familiarizing students with MLA formatting and the avoidance of plagiarism.

SEMESTER COURSES

Publications I, II, III, or IV 1 st & 2 nd Sem. course	Grades 10-12	Elective Prereq.–“C” or above in all English classes or instructor approval	4 days/week 1 credit
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- **This can be taken more than once, but only 1 credit will apply towards the English requirement.**

Journalism is a one-semester course for sophomores, juniors, and seniors who desire to increase their aptitude in writing and newspaper design while upholding the integrity and high standards of *The Eagle’s Wing* publication. Students will receive hands-on experience in all areas of the publication process and will have the opportunity to have their work published in the school newspaper. Students will acquire writing skills, learn how to conduct a thorough interview and report the news, acquire newspaper design skills, and understand the history of journalism, first amendment rights, and media law ethics. This course may be repeated; however, only one semester will apply to the Core Graduation Requirements in English.

Practical English 1 st Semester	Grade 12 Prereq. – none	Elective Prereq.- None	4 days/week 1 credit
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Practical English stresses the reading and writing that students as future adults may encounter in the workforce. Skills in analyzing and evaluating nonfiction texts will be developed through inquiry and exploration. Critical writing skills will be enhanced by students imitating mentor texts and applying conventions to their own writing. Special emphasis will be placed on business writing, applications, and resumes.

IHCC Composition I 1 st Semester (Concurrent Enrollment – IHCC)	Grade 12	Elective Prereq.- HS GPA of 3.0 or higher	4 days/week 1 credit
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This is a concurrent college level class offered at Keota High School. This course emphasizes writing skills and stylistic competence developed through source- and non-source-based essays. Students will write at least four 800-1000 word essays, including 3-5 source-based essays and no more than one non-sourced essay. Students will respond to written and visual texts drawn from diverse sources and will use documentation correctly. Emphasis will also be placed on essay structure, grammatical correctness, and development of a professional voice through writing.

IHCC Composition II 2 nd Semester (Concurrent Enrollment – IHCC)	Grade 12	Elective Prereq.- IHCC Composition I	4 days/week 1 credit
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This is a concurrent college level class offered at Keota High School. This course introduces the student to the process of research writing using the Modern Language Association documentation style. A thesis-driven report paper, documented in MLA style, and a thesis-driven argumentative essay, documented in APA style, will demonstrate the student's proficiency with the research process. Students will produce approximately 20 pages of academic research writing.

Communications 2 nd Semester	Grade 12	Elective Prereq.- none	4 days/week 1 credit
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Communications is a course that emphasizes the basics of interpersonal and intrapersonal communication skills. The course will focus on developing speaking and listening skills in a variety of situations from group discussions to public speaking, both formal and informal. The purpose of this course is to investigate several methods of communication and be able to utilize them effectively in certain situations.

Creative Writing 2 nd Semester	Grade 12	Elective Prereq.- none	4 days/week 1 credit
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This class will introduce students to the process and techniques of creative writing. Students will create original essays, poems, and short stories in this course. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects. Students are encouraged to write about topics they find engaging as they practice writing. After students turn in each assignment, the teacher supplies detailed suggestions for revision. This feedback helps students learn how to improve their self-expression and self-editing skills.

FINE ARTS DEPARTMENT

1 SEM. LONG COURSES ONLY

Art History & Appreciation I Pre-Historic - Renaissance 1 Sem. Only	Grades 9-12	Elective Prereq.- none	2 days/week 0.5 credit
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Students will be exposed to art from the earliest periods through the present day. Multicultural art projects will help students trace history. Activities will help develop critical thinking skills and also help increase students' awareness of artists and their work. This course along with Art History & Appreciation II each stand alone. Although it is recommended that they are taken in order, it is not a requirement.

Ceramics 1 Sem. Only (Enrollment limited to 12)	Grades 9-12	Elective Prereq.- none	4 days/week 1 credit
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Students will learn several building techniques as well as how to finish their work using glaze and other mediums.

Painting 1 Sem. Only (Enrollment limited to 12)	Grades 9-12	Elective Prereq. - none	4 days/week 1 credit
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Students will explore techniques in watercolor and acrylic paint.

Art History & Appreciation II Renaissance - Modern 1 Sem. Only	Grades 9-12	Elective Prereq.- none	2 days/week 0.5 credits
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Students will be exposed to art from the earliest periods through the present day. Multicultural art projects will help students trace history. Activities will help develop critical thinking skills and also help increase students' awareness of artists and their work. This course along with Art History & Appreciation I each stand alone. Although it is recommended that they are taken in order, it is not a requirement.

Design 1 Sem. Only (Enrollment limited to 12)	Grades 9-12	Elective Prereq.- none	4 days/week 1 credit
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Emphasis is on the basics in the field of design. Student interest emphasis & explore design fields such as: interior design, architecture design, digital design, etc.

Printmaking 1 Sem. Only (Enrollment limited to 12)	Grades 9-12	Elective Prereq.- none	4 days/week 1 credit
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A class designed for the student who would like to learn printmaking techniques. Work will incorporate organic materials, foam board, lino blocks, and silk-screen.

1 YEAR COURSE or 1 SEM. LONG COURSE

Art I 1 year or 1 sem course	Grades 9-12	Elective Prereq.- none	4 days/week 2 credits/yr or 1 credit/sem
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This is an introductory course designed to give students the opportunity to work with a variety of media and processes. Art terminology, history, and the elements and principles of design will also be focused on. Weekly sketchbook assignments are a part of the course work. Students must complete the 1st semester of Art I before taking the 2nd semester of Art I.

Art Study 1 year or 1 sem course	Grade 11-12	Elective Prereq.- Studio Workshop Permission of Instructor	4 days/week 2 credits/yr or 1 credit/sem
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Advanced course based on the individual student's needs. Curriculum will be based on the student's interests and can include construction of a portfolio.

Studio-Workshop 1 year or 1 sem course	Grades 10-12	Elective Prereq.- Art I Permission of Instructor	4 days/week 2 credits/yr or 1 credit/sem
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An opportunity for the serious student to pursue individualized study in the area of their major in art. Sketchbook assignments are part of the course work.

QTR. LONG CLASSES

Exploratory Art 8 1 Qtr. only	Grade 8	Required	4 days/week 0.5 credit
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Students explore different types of art throughout history and in different cultures. Their units of study include: Working with clay and drawing assignments.

Exploratory Art 7 1 Qtr. only	Grade 7	Required	4 days/week 0.5 credit
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Students learn fundamentals of art while working in 2D & 3D. Units of study include: clay, drawing and color.

MATH DEPARTMENT

Math 7, Math 8, Pre-Algebra, Algebra I, Geometry, & Practical Finance Students:

- **Scientific calculator is required.**
- Look for a calculator that has a 2-row screen that will show total input on the one line and the output on the second line.
 - Comparable to a **TI-30xIIS** or **Casio fx-300ES**

Algebra II, F.S.T., Pre-Calculus & Calculus Students:

- **Graphing calculator** is highly recommended and will be used daily.
 - **TI-83+ or TI-84+** (Do not get a Casio)

1 YEAR COURSE

Pre-Algebra	Grades 9	Elective	4 days/week
1 year course			2 credits

* Instructor permission & signature required for this course

Topics covered are: real numbers (integers, decimals, fractions, roots, ratios, percents, exponents); expressions, equations, and inequalities (constructions, graphing, solving multi-step problems, polynomials); geometry (angles, congruence, similarity, transformations, area, surface area, volume); data and statistics (probability, plotting, analysis).

Algebra I	Grade 9-10	Required	4 days/week
1 year course	*Grade 8	Prereq.- none	2 credits

* Grade 8 – with Instructor’s approval
 - credit will be high school elective, not core math

The course covers basic algebra units such as: Real numbers, powers, roots, order properties, factoring, graphing, inequalities, linear equations, factoring, quadratic and exponential functions, and various types of word problems.

Geometry	Grades 9-12	Required	4 days/week
1 year course		Prereq.- Algebra I	2 credits

An organized logical development of the structure of mathematical system-geometry, by use of deductive and inductive reasoning. The course is designed to improve the student’s ability to reason logically, both directly and indirectly. The basic topics in Euclidian geometry - both two and three dimensions - are lines and planes, areas, similarity, circles, spheres, constructions.

Algebra II	Grades 10-12	Required	4 days/week
1 year course		Prereq. - Algebra I & Geometry	2 credits

*Can take concurrent with Geometry if given instructor’s approval.

Review of the basic concepts and skills of Algebra I, a continuing development and understanding of linear and quadratic functions, coordinate geometry, complex numbers, systems of equations, the logarithmic function, equations of the first and second degree in two

variables, the exponential function, and trigonometric functions. Graphing calculators are used extensively in this class.

Functions, Statistics & Trigonometry (FST) 1 year course	Grades 12	Elective Prereq. – Successful completion Algebra II	4 days/week 2 credits
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Functions, Statistics & Trigonometry is a course for the college bound or highly skilled workforce bound student who has completed Algebra I, Geometry and Algebra II. FST can be taken before, after, or at the same time as Pre-Calculus or Calculus. Content includes topics, functions, statistics, and trigonometry, as related to real world with business applications.

Pre-Calculus 1 year course	Grades 11-12	Elective Prereq.– Algebra II "C-" or Above w/ Instructor's approval	4 days/week 2 credits
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This course introduces students to variables, expressions, and solving algebraic equations. Fractions, decimals, percents, square roots, and real world applications are used to help students master these concepts. Probability, statistics, and graphing are also used to tie different concepts together and enhance student understanding.

* Practical Finance 1 Year Course	Grade 12	Elective Prereq.- None	4 days/week 2 Elec. credit
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Students study and review arithmetic skills they can apply in their personal lives and in their future careers. There is a focus on occupational topics such as wages, deductions, taxes, insurance, and spending. Also, personal finances such as checking accounts, loans, automobile, and home expenses.

Calculus 1 Year Course	Grade 12	Elective Prereq.- Pre-Calc. or equivalent class "C-" or Above w/Instructor's approval	4 days/week 2 credits
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Calculus stands at the gateway to a plethora of applications in many fields. It is a mathematical tool used to analyze the rate at which a physical quality varies. In arithmetic, operations are carried out on numbers; in algebra, operations are carried out on variables; in calculus, operations are carried out on functions which represent relationships between variable quantities.

Math 7 1 year course	Grade 7	Required	4 days/week
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Topics covered are: proportional relationships (unit rates, scale drawings, percentages); operations with rational numbers (negative numbers, decimals, fractions); expressions and equations (writing and performing operations with expressions, solving multi-step equations); geometry (angles, circles, surface area, volume); data and statistics (sampling, dot plots, probability).

Math 8 1 year course	Grade 8	Required	4 days/week
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Topics covered are: geometry (congruence, transformations, similarity, angle relationships, volume, Pythagorean Theorem); linear equations (solving multi-step equations, solving systems of equations); proportional relationships (interpreting, graphing, constructing);

functions (interpreting, constructing, graphing); data and statistics (scatter plots, trend lines, two-way tables); real numbers (roots, exponents, scientific notation).

MUSIC DEPARTMENT

APPLIED MUSIC

1ST SEM. OR 2ND SEM.

Beginning Music History 1st or 2nd Sem.	Grades 9-12	Elective Prereq. - Teacher's Consent	4 days/week 1 credit
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This course surveys musical history, styles, and composers from the Baroque period on.

Advanced Music History 1st or 2nd Sem.	Grades 9-12	Elective Prereq. - Beg. Music History	4 days/week 1 credit
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This course is a continuation of the beginning music history course.

Beginning Music Theory 1st or 2nd Sem.	Grades 9-12	Elective Prereq. - Teacher's approval required	4 days/week 1 credit
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This course will introduce the student to the fundamentals of music. These fundamentals being notes, rhythms, keys, key signatures, scale spelling, chords, and sight singing.

This course is open to students, but the student must have some background in music. Curriculum will be constructed based on the student's interest.

Advanced Music Theory 1st or 2nd Sem.	Grades 9-12	Elective Prereq.- Beg. Music Theory & Teacher's approval required	4 days/week 1 credit
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This advanced course would develop the fundamentals, learned in the beginning of music theory, to a higher degree. A final project would be an original composition following musically correct rules of competition. Curriculum will be constructed based on the student's interest.

Music Appreciation 1st or 2nd Sem. (Concurrent Enrollment – IHCC)	Grade 12	Elective Prereq. – Instructor's approval	4 days/week 1 credit
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This class is a concurrent college level class offered at Keota High School. This course will include a general survey of musical terminology, and is designed to develop musical perception with discussion of musical time periods through listening to specific musical compositions, and discussion of specific practice techniques and instrumentation of each period. The emphasis of the course is to build an understanding of musical compositions, their historical significance, and elements.

The student will listen to selected works, attend live performances, identify musical works aurally and complete a paper investigating an important composition by a major composer.

Applied Voice 1 st or 2 nd Sem. (Concurrent Enrollment – IHCC)	Grades 11-12	Elective Prereq. – Instructor's approval	4 days/week 1 credit
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American Music Theatre/ or American Music Theatre II 1st or 2nd Sem.	Grade 11-12	Elective Prereq.- Instructor's approval	4 days/week 1 credit
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Research, analyze, journal, critique, write, and perform musical theatre productions from 1900's on.

Music Theory 1-6 1st or 2nd Sem. (Concurrent Enrollment – IHCC)	Grade 11-12	Elective Prereq. - Instructor's approval	4 days/week 1 credit
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INSTRUMENTAL MUSIC

1 YEAR COURSE

Instrumental Music 1 year course	Grades 9-12	Elective Prereq.- none	2 days/week 0.5 credit/sem.
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The band performs at various events throughout the year such as SICL Festival, concerts, athletic events, small and large group ensemble festivals, graduation. The band performs and studies literature from Renaissance to pop, learning correct style and performance practices of each historical period. Through co-operative learning, correct sound production and artistic expression skills are developed.

7th & 8th Gr. JH Band 1 year course	Grades 7 & 8	Elective	2 days/week
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Music of several time periods is performed. A Winter Concert and Spring Concert are performance opportunities.

VOCAL MUSIC

1 YEAR COURSE

High School Chorus 1 year course	Grades 9-12	Elective Prereq.- none	2 days/week 0.5 credit/sem.
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Chorus performs at various events throughout the year such as concerts, honor choir, community programs, small and large group ensemble festival, SICL festival, and graduation. Chorus performs and studies literature from the Renaissance to pop, learning correct style and performance practices of each historical period. Through co-operative learning, correct sound production and artistic expression skills are developed. EAGLEROCK! begins with chorus membership but rehearses outside of chorus time.

7th & 8th Gr. Jr. High Chorus 1 year course	Grades 7 & 8	Required	2 days/week
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Music of several time periods is performed. A Winter Concert and a Spring Concert are performed.

PHYSICAL EDUCATION DEPARTMENT

1 YEAR COURSE

Co-Ed P.E. 1 year course	Grades 9-12	Required Prereq.- none	2 days/week 0.5 credit/semester
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Physical Education is a required course for all 9-12 students. The main emphasis is on lifetime and leisure time activities. Some team activities and team sports are taught. The following units are taught: soccer, football, tennis, volleyball, weight lifting, fitness walking, table tennis, shuffleboard, badminton, pickleball, racquetball, bowling, golf, frisbee golf, bean bag tossing and CPR.

Golf is taught and students get to go to the golf course and play nine holes.

The 9-12 students go to Sigourney every year to bowl.

CPR is taught every other year.

7th & 8th Gr Physical Education 1 year course	Grades 7 & 8	Required	2 days/week 0.5 credit/semester
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Junior High Physical Education meets three days in a six-day cycle. The following units are taught: team sports (football, soccer, speedball, basketball, volleyball, softball, and Eagle Ball); individual and dual sports (table tennis, shuffleboard, badminton, pickleball, racquetball, bowling, and bean bag tossing).

Personal Health 1 year course	Grades 9-12	Elective	4 days/week 1 credit/semester
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This course is designed to inform each student of the importance of maintaining a healthy body and a positive outlook on life. Instruction shall include personal health; environmental health; safety and survival skills; consumer health resources and prevention of control and diseases.

SCIENCE DEPARTMENT

1 YEAR COURSE

Biology 1 year course (for 2024-25 school yr)	Grade 9 & 10	Required Prereq. - none	4 days/week 2 credits
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A study of the basic life structures, functions and processes; the interaction of all living things on earth; cell division, heredity, and evolution; and the scientific method. Special projects include lab reports, cell diagram, and a cancer research project.

Chemistry 1 year course	Grades 11-12	Elective Prereq.- Alg. I	4 days/week 2 credits
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Chemistry is a rigorous course in science that has incredible ties to the real world. It teaches you to problem solve, think on your feet, argue from evidence, evaluate sources of information and collaborate with others to learn.

In this class you will learn about atomic structure, chemical bonding, chemical reactions, gas laws, as well as acids and bases. Since chemistry is a laboratory-based course, each chapter will include a lab and writing of lab reports.

Course units studied for chemistry are: Making Sense of Matter, Inside the Atom, Periodic Table, Ion and Nomenclature, Covalent Bonding, The Mole, Chemical Reactions, Stoichiometry, and Acids & Bases.

Environment Science 1 year course	Grades 11-12	Elective Pre-req. - Physical Science & Biology	4 days/week 2 credits
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Environmental Science is a science course that enables students to develop an understanding of natural and man-made environments and environmental problems the world faces. Students explore environmental science concepts through an inquiry-based approach. Embedded standards for Inquiry and Technology & Engineering are taught in the context of the content standards for Earth Systems, The Living World, Human Population, Water and Land Resources, Energy Resources and Consumption, Pollution and Waste Production, Global Change, and Civic Responsibility.

Physical Science 1 year course (<i>starting 2025-26</i>)	<i>Grade 10</i>	Required Prereq.- none	4 days/week 2 credits
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This course will deal with the basic principles of both physics and chemistry. Students will study a variety of topics in those areas, i.e. motion, matter, sound, light, waves, general chemistry, energy (different forms), organic chemistry, and others. Special projects include an atom model, designing their own periodic table, roller coaster, Rube Goldberg devices, and lab reports.

Science Research Methods 1 year course	Grades 10-12	Elective Pre-req. - Biology	4 days/week 2 credits
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This course is for students who have the desire to learn more about the scientific method and how it applies to the investigation of the scientific application of Biotechnology in the discovery of and use of bioengineered organisms. This course will have a collaborative effort amongst students and mentors in developing the student's own individual research project, which will culminate in a year-long independent science research experience using the scientific method as the driving force in developing a better understanding of bioengineered projects.

Course work will include instruction in biotechnology and techniques used to make bioengineered organisms and related "hands on" investigations. All students will be required to complete one independent science research project. This project will include a display board, a large format poster, a scientific research paper as well as the research binder and laboratory notebook. Students are required to complete the project. Students will be assessed quarterly on their progress. The display board and paper are subject to multiple revisions prior to gaining eligibility to enter competitions.

Integrated Science 7 1 year course	Grade 7	Required	4 days/week
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All 7th grade students will take this science class that incorporates units in Life Science, Earth Science, and Physical Science. Specific units include: forces and interactions, energy in a system, Earth's place in the universe, from molecules to organisms, ecosystems, heredity, and variations of traits. Special projects include an Insect project and Science Fair.

Integrated Science 8 1 year course	Grade 8	Required	4 days/week
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Units include: motion and stability, energy, waves, ecosystem dynamics, biological evolution, Earth's place in the universe, and Earth's Systems. Special projects include Science Fair.

SOCIAL STUDIES DEPARTMENT

1 YEAR COURSE

U.S. History 1 year course	Grade 10	Required Prereq.- none	4 days/week 2 credits
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A course in American History using the survey approach to discuss the political, economic, and social factors and changes of the United States from Reconstruction through WW II. Periods covered include the Reconstruction Era, Westward Expansion, Imperialism, Gilded Age, Progressive Era, WW I, Jazz Age/Roaring 20's, Great Depression and WW II.

American History 8 1 year course	Grade 8	Required Prereq.-none	4 days/week
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This is a general history course that discusses the political, economic, and social factors of the United States from 1400 AD through the Civil War. This course will consist of reading, organized classroom discussion, simulation games, worksheets, debates, videos, individual and group projects, the use of the Internet, note taking, journaling, critical thinking, scenario writing, quizzes and tests.

Social Studies 7 1 year course	Grade 7	Required Prereq. - none	4 days/week
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This class looks at ancient cultures with particular emphasis on Ancient Egypt, Ancient Rome, and Medieval Europe.

First semester will cover the Stone Age, Mesopotamia, Egypt, Greece, and Rome.

The second semester will cover the following areas: Medieval Europe and The Americas – Early Explorers. Students will learn about mapping and such skills as latitude and longitude.

1ST SEM. ONLY

Military History 1 st Sem. Only	Grades 9-12	Elective Prereq.-none	4 days/week 1 credit
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This course examines the military heritage from many different militaries throughout history. Through an in-depth study of key individuals, military policy, organizations, campaigns, tactics, and battles throughout history.

Psychology 1st Sem. Only	Grades 10-12	Elective Prereq.-none	4 days/week 1 credit
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This course is focused on the development of human behavior. This course will consist of reading, organized classroom discussion, simulation games, worksheets, videos, individual and group projects, the use of the Internet, note taking, critical thinking, quizzes and tests. Emphasis will be placed on approaches to psychology, the life span, and the workings of the mind and body.

Recent U.S. History “A”	Grade 9-12	Elective	4 days/week
1 st Sem. Only		Prereq.- Instructor’s approval	1 credit

Recent U.S. History “A” covers American history from 1945-1968. Topics such as the cold war, suburbanization, the rise of the Sunbelt and decline of the Rust Belt, the conformity and contentment of the 1950s, and the upheavals of the 1960s are some of the issues covered in this class. Society, culture, economics, politics and technology of this time period will be covered. The class includes an analysis of the people, events, and issues and also historical evidence reflecting time, continuity, change and casual relationships from 1945-1968.

Sociology	Grades 11-12	Elective	4 days/week
1 st Sem. Only		Prereq.- none	1 credit

This course is focused on people and their relationships to society. This course will consist of reading, organized classroom discussion, simulation games, worksheets, debates, videos, individual and group projects, the use of the Internet, note taking, critical thinking, scenario writing, quizzes and tests. Emphasis will be placed on the sociological perspective, organization of social life, and the individual in society.

U.S. Government	Grade 12	Required	4 days/week
1 st Sem. Only		Prereq.- US History	1 credit

U.S. Government is a one-semester course required for seniors in order to graduate. It covers the United States Constitution, the Bill of Rights, the federal system of government (specifically the legislative, executive, and judicial branches), and the structure and relationship between the national & state governments. Also covered are voting statutes and procedures, voter registration requirements, the U.S. citizenship test, and the method of acquiring and casting an absentee ballot. Finally, the course covers the government of Iowa and current trends and issues.

World History	Grades 9-12	Elective	4
days/week			
1 st Sem. Only		Prereq. – none	1 credit

World History is a one semester course open to freshmen, sophomores, juniors, and seniors. It uses the “Big History” online curriculum covering the Big Bang to present (13.8 billion years). Major topics include Early Humans, Agriculture and Civilization, Age of Exploration, the Industrial Revolution, 20th Century Conflicts and Advancements, and, finally, Predictions for the Future.

2ND SEM. ONLY

Advanced Psychology 2nd Sem. Only	Grades 10-12	Elective Prereq.-Psych. I	4 days/week 1 credit
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This course is designed to be a continuation course of Psychology I. This course will consist of reading, organized classroom discussion, simulation games, worksheets, videos, individual and group projects, the use of the Internet, note taking, critical thinking, quizzes and tests. Emphasis will be placed on learning and the cognitive process, personality and individuality, and social psychology.

Advanced Sociology 2nd Sem. Only	Grades 11-12	Elective Prereq.- Sociology	4 days/week 1 credit
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This course is designed to be a continuation course of Sociology. This course will consist of reading, organized classroom discussion, simulation games, worksheets, debates, videos, individual and group projects, the use of the Internet, note taking, critical thinking, scenario writing, quizzes and tests. Emphasis will be placed on social inequality, social institutions, and the changing society.

Economics 2 nd Sem. Only	Grade 9-12	Elective Prereq. – none	4 days/week 1 credit
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Economics as a course concentrates on many issues prevalent in society today. Such as national income, employment, inflation, money and society. A number of projects will be created using micro and macroeconomic principles and technologies with emphasis on the relationship of theory to practice.

Recent U.S. History “B” 2 nd Sem. Only	Grade 9-12	Elective Prereq.- Instructor’s approval	4 days/week 1 credit
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Recent U.S. History “B” covers American history from 1968 to the present. Topics covered include the collapse of the USSR, the new multipolar, the post-cold war world, the new millennium and the turn of the century. Society, culture, economics, politics and technology of this time period will be covered. The course includes an analysis of the people, events, issues and historical evidence reflecting time, continuity, change and casual relationships from 1968 to the present.

World Geography 2nd Sem. Only	Grades 9-12	Elective Prereq.- none	4 days/week 1 credit
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World Geography is a one semester course open to freshmen, sophomores, juniors, and seniors. It begins by examining the basic geographic skills, cartography, and the geographic perspective. Then it examines the major concepts of physical geography and human geography. Finally, it examines how these combine to make each region of Earth unique. Areas that may be covered include: the U.S.A. and Canada, Middle and South America, Europe, and Russia, North Africa, Southwest and Central Asia, sub-Saharan Africa, South Asia, East Asia, Southeast Asia, Australia, New Zealand, and the Pacific Islands.

Intro. to Political Theory
2nd Sem. Only

Grades 9-12

Elective
Prereq.- none

4 days/week
1 credit/sem.

This course is a study of world politics and foreign policy. Students learn about the central themes, questions, and concepts that animate political theory and the history of political thought. They closely read and analyze canonical texts in the Western tradition, in addition to related texts from other traditions.

Intro. to Psychology
(Concurrent Enrollment – IHCC)
2nd Sem. Only

Grades 9-12

Elective
Prereq.- None

4 days/week
1 credit

This is a concurrent college level class offered at Keota High School. This course provides a broad introduction to the principles of contemporary psychology. The goal is to provide students with an understanding of the theoretical foundations of psychology, as well as a survey of empirical research dealing with behavior and mental processes. This course is a survey of the many different areas covered within the field of psychology. It introduces students to the way psychology affects them as a person as well as its ability to help us understand, predict, and control behavior for the betterment of people. It is offered as a general education college course in light of its impact on our society through the research that is being conducted and the theories that are presented.

CAREER EDUCATION DEPARTMENT

Job Shadowing

Grades 10-12

No credit received other than the experience

Prerequisites: Administration approval needed for excused absence.

Job shadowing is a career exploration activity that allows students to observe an experienced employee perform their typical work duties in a real-world work environment. It's a type of on-the-job training that can help students understand role requirements and job tasks as they plan ahead for a career or Work Experience class. Job shadowing can also help students develop research skills and occupational knowledge. Job Shadowing is not for credit, but this 2-4 hour experience is an excused absence with permission and proper documentation obtained from the School Counselor or Administration.

Work Experience Program 1st and/or 2nd Sem.

Grade 11

Elective

4 days/week
1 credit

Prerequisites: Must fill out an application by May 20 of the school term.
Administration approval required

This class is designed to introduce students to the workplace in an effective and structured manner. Students investigate careers and workplace expectations as well as other topics including resume building, conflict resolution, money management and ethics.

Students take this class for **one (1) high school credit per semester**. Students will meet the in-class work expectations and successfully complete a minimum of 10 hours per week of work at their placement for the identified semester time. Due to the added course requirements that most juniors experience in preparation for graduation, arriving to school late or leaving early is an option only dependent on their class schedules. The student is allowed only one hour of leave - either in the morning or in the afternoon.

Work Experience Program 1st and/or 2nd Sem.

Grade 12

Elective

4 days/week
2 credits

Prerequisites: Must fill out an application by May 20 of the preceding school term.
Administration approval required

This class is designed to prepare the student to become a highly effective member of the workplace. Students, more in-depth, investigate careers and workplace expectations as well as other topics including resume building, conflict resolution, money management and ethics.

Students take this class for **two (2) high school credits per semester**. Students will meet the in-class work expectations and successfully complete a minimum of 12 hours per week of work at their placement for the identified semester time. Scheduled time away from school is schedule dependent.

YEARBOOK

(Yearbook is a year-long course and can NOT be dropped at the semester.)

Yearbook I 1 year course	Grades 9-12	Elective	2 days/week 0.5 credit/yr
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The introductory yearbook course offers the student total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copy writing, and proofing.

Yearbook II 1 year course	Grades 10-12	Prereq - Yearbook I	2 days/week 0.5 credit/yr
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The second level yearbook course is designed to help students refine their skills in copywriting, proofing, photography, and layout planning. Students deepen their understanding of advertising.

Yearbook III 1 year course	Grades 11-12	Prereq.- YB I & II	2 days/week 0.5 credit/yr
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This course is for junior & senior level publication staff members. Students are required to fill an editor's position or take a leadership role on the publication staff. Students complete various spreads, assignments, and copy edit. They master layout and design in desktop publications, digital imagery, and photo placement.

Yearbook IV 1 year course	Grade 12	Prereq. - YB I, II, & III	2 days/week 0.5 credit/yr
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