

Clear Creek Amana High School



Program of Studies 2018-2019

Revised 1/2018

Clear Creek Amana Community School District

DISTRICT OFFICE

PO Box 487
□327 S. Augusta□
Oxford, Iowa 52322

BOARD OF EDUCATION

Bob Broghammer
Jennifer Mooney
Terry Davis
Nikki Knapp
Matt McAreavy
Kathy Swenka
Steve Swenka

PRESIDENT
VICE PRESIDENT
BOARD MEMBER
BOARD MEMBER
BOARD MEMBER
BOARD MEMBER
BOARD MEMBER

SUPERINTENDENT OF SCHOOLS

Mr. Tim Kuehl

Clear Creek Amana High School

551 W. Marengo Road
P.O. Box 199
Tiffin, IA 52340

ADMINISTRATIVE STAFF

Mark Moody
Mike Potter
Kurt Ronnfeldt

Principal
Assistant Principal
Activities Director

NOTICE OF NONDISCRIMINATION

Students, parents, employees and others doing business with or performing services for the Clear Creek Amana Community School District are hereby notified that this school district does not discriminate on the basis of race, color, national origin, sex, sexual orientation, gender identity, marital status, SES, disability, religion, or creed in admission or access to, or treatment in, its programs and activities. The school district does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, creed, sexual orientation, or gender identity in admission or access to, or treatment in, its hiring and employment practices. Any person having inquiries concerning the school district's compliance with the regulations implementing Title VI, Title VII, Title IX, the Americans with Disabilities Act (ADA), § 504 or *Iowa Code* § 280.3 is directed to contact: Brenda Parker, Equity Coordinator, 327 S Augusta Ave, PO Box 487, Oxford IA 52322, 319-828-4510 who has been designated by the school district to coordinate the school district's efforts to comply with the regulations implementing Title VI, Title VII, Title IX, the ADA, § 504 and *Iowa Code* § 280.3 (2007).

Inquiries by students regarding compliance with equal educational opportunity and affirmative action laws and policies, including but not limited to complaints of discrimination, may also be directed in writing to the Director of the Region VII office of Civil Rights, U.S. Department of Education 8930 Ward Parkway, Suite 2037, Kansas City, MO. 64114 (816) 268-0550, <http://www.state.ia.us/government/crc/index.html> or Iowa Dept. of Education, Grimes State Office Bldg., Des Moines, IA. (515) 281-5294. This inquiry or complaint to the federal or state office may be done instead of, or in addition to, an inquiry or complaint at the local level.

Table of Contents

General Information

District Mission, Beliefs, and Vision	1
Graduation Requirements	2
Career Pathways	3
Course Offerings	10
Digital Course Offerings	34
Admissions Requirements at Regents Institutions	36
Articulation Credit Through High School Courses	37
Post-Secondary Enrollment Option	37
Career Edge Academies	37

Course Descriptions

Agricultural Education	7
Art	8
Business	12
Family & Consumer Science	13
Engineering	15
Health	16
Industrial Technologies	16
Language Arts	19
Mathematics	22
Music	24
Physical Education	24
Science	25
Social Studies	28
World Languages	30

Clear Creek Amana Mission Statement

The mission of the Clear Creek Amana Community School District is to prepare students to be productive, responsible, community members by providing an environment that inspires quality life-long learning.

Clear Creek Amana Vision Statement

Stakeholders in Clear Creek Amana expressed a strong desire for an educational experience that would be broad and deep—one that embraces the complexity of human learning and the excitement that comes from intensely personal learning experiences. Further, they want a public school system that serves the community, not just its children. They want a school system that offers choices and exhibits flexibility and openness—a system that can change with the times to keep itself current with technology and social issues. They want a system that capitalizes on individual learner strengths and interests at the same time it conveys social skills and dispositions that lead to strong groups and community integrity.

Graduation Requirements

Graduates need a total of 56 credits. One credit is awarded each semester per successful completion of each course.

Clear Creek Amana High School's Specific Graduation Requirements:

Language Arts	8 credits
Social Studies	6 credits
Financial Literacy	1 credit
Personal Finance	1 credit
Math	6 credits
Science	6 credits
Health	2 credit
Fine Arts	1 credit
Physical Education	4 credits (Students must take a minimum 1 semester each year or submit a physical education waiver for health related concerns)

Language Arts (8 credits) including:

- English 9, year (2 credits)
- English 10 or 10+, year (2 credits)
- English 11 or AP Language and Composition or Comp I and Comp II
- English 12 or AP English Literature and Composition or Comp 1 and Comp II
(or 2 approved credits offered through Kirkwood Community College Arts and Sciences Academy)

Social Studies (6 credits) including:

- Survey of Social Studies, year (2 credits)
 - American History, year (2 credits) or AP American History (2 credits)
 - American Government, semester (1 credit) or AP American Government (2 credits)
 - One additional Social Studies elective (1 semester)
- We strongly encourage more than the required 6 credits.**

Science (6 credits)

- Earth Science, year (2 credits)
 - Biology, year (2 credits)
 - Physical Science, year (2 credits) or equivalent combinations of Physics and Chemistry
(example: Chemistry, year (2 credits) and Physical Science, 1st semester (1 credit))
- We strongly encourage more than the required 6 credits.**

Mathematics (6 credits)

We strongly encourage more than the required 6 credits.

Fine Arts, (1 credit)

Health, year (2 credits)

Financial Literacy (1 credit)

Personal Finance

Physical Education, 4 credits-1 credit per year. A PE waiver will only be allowed for academic or health reasons.

Schedule Change Policy

Our scheduling software (powerschool) completes all student schedules based on classes that students have requested. As Counselors/Administrators, we do have the ability to adjust those schedules on a limited basis.

We have two equal responsibilities when it comes to making schedule adjustments: 1. To place students into the classes that they requested (as much as possible) and 2. To ensure safe and equitable class sizes (as much as possible). Students do have the ability to **request** changes to a schedule based upon sections that have open seats. **A request is not a guarantee of enrollment.** Changes should only be requested if a student needs a different course, we do not change schedules for personal preference of block or teacher. Any changes that are made will be reflected within PowerSchool. High School students do have the ability to change courses without parental permission, however, it is strongly encouraged by the school counseling office that all schedule changes are discussed with parents prior to a change being made.

Seniors must be enrolled in a minimum of 5 classes. (That might include classes at CCAHS and PSEO or KCC Academy classes.)

Juniors are only allowed to have an study block if they are enrolled in 2 AP courses. Exceptions are made with administrative approval only.

9th and 10th grade students must be enrolled in 8 classes.

Course Descriptions

AGRICULTURAL EDUCATION

Introduction to Agriculture, Food, and Natural Resources (AFNR) **Course Number: 329AFNR**
Sem/ 1 credit (9-12) Prerequisite: None

Woven throughout the course are activities to develop and improve employability skills of students through practical applications. Students will explore career and post-secondary opportunities in each area of the course.

Students participating in the *Introduction to Agriculture, Food, and Natural Resources* course will experience 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. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

Principles of Agricultural Science-Animal **Course Number: 329PASA**
Sem/ 1 credit (9-12) Prerequisite: Completion of biology highly recommended

Student experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional, and world markets.

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.

Principles of Agricultural Science-Plant **Course Number: 329PM**
Sem/ 1 credit (9-12) Prerequisite: None

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.

ART

Photography: Black and White

Course number: 10

Sem/ 1 Credit (10-12)

Prerequisite: None

This is an introduction to basic photography using the 35mm camera. Students will focus on black and white film photography, using the camera for proper exposure and understanding the elements of composition. Students will also learn to develop film and print in the darkroom. Alternative darkroom projects will be introduced. Critiques and Art History will be an important aspect of the class with a summative exam given at the end of the semester.

Photography: Digital

Course number: 699PHDI

Sem/ 1 Credit (10-12)

Prerequisite: None

An introduction to producing imagery using a digital camera. Focus will be on building a basic knowledge of the elements of composition and utilizing them in their photographs. Students will be introduced to the basic image manipulation and enhancement in Adobe Photoshop. Critiques and Art History will be an important aspect of the class. Students must have access to a digital camera of some form – preferably a DSLR if possible - but other digital cameras or phone cameras can work.

Glassworks

Course Numbers: 103

Sem/ 1 credit (9-12)

Prerequisite: None

This class will introduce students to the medium of stained glass and mosaics. Students will learn glass-cutting techniques, design and build their own glass projects. The history of stained glass will be covered as well as well as contemporary artists working with glass.

Glassworks II

Course Number: 103B

Sem/ 1 Credit (9-12)

Prerequisite: See below

This class is a second level course in stained glass. Students must have successfully passed Glassworks with a C+ or above to take this class. Projects will be bigger and include a 3-D piece. Students will focus on honing their skills and create tutorials on techniques to show understanding. Students will be asked to provide their own glass.

Drawing I:

Course number: 101D

Sem./ 1 credit (9-12)

Prerequisite: None

This course provides introductory experiences with a variety of drawing exercises and materials. Problems in perspective, shading and structural problems in still-life, landscapes and figure drawing. The elements and principles of art and their function within art will be emphasized. Students will be expected to keep a sketchbook to work in both on in class and homework assignments. Art history lessons will provide students with insight into how the creation of art has progressed over time.

Painting I:

Course number: 101P

Sem./ 1 credit (9-12)

Prerequisite: None

This course introduces students to painting techniques in both acrylic and watercolor mediums. Problems in color theory, color mixing will be emphasized through studio practice and project completion. A variety of techniques and tools will be used to help the students develop their personal style. Elements and principles of art will be applied as well as historical references to a variety of painters over the past centuries.

Drawing/Painting II:

Course number: 101

Sem./ 1 credit

Prerequisite: Drawing I and/or Painting I along with instructor approval

In this class students will continue their studies in drawing and painting at a higher level. All students will be expected to be self-motivated, passionate in developing their own creative style and become secure in

self and peer reflection. Students will engage in research and discovery of artists working in the mediums of drawing and painting, both in a historical and contemporary context.

Ceramics I

Semester/ 1 credit (9-12)

Course number: 105

Prerequisite: None

Students will have hands-on experience working with clay and ceramic glazes. Hand building techniques including pinch pots, coil pots and slab vessels will be explored. Students will also experiment with creating non-functional sculptural works out of clay. Terminology and concepts necessary for understanding how clay is created, fired and decorated will be discussed. Projects will be supported by the study of ceramic creation reaching from ancient times to artists working today.

Ceramics II

Semester/ 1 credit (9-12)

Course number: 126

Prerequisite: Ceramics I

This course is designed as a follow-up course to Ceramics I with emphasis on the student using previously learned skills to create more technically advanced and individualized work. During this course students will have the opportunity to learn wheel throwing techniques to create a vessel of their choosing. Ancient and contemporary ceramic artists will be used as inspiration for student projects.

Mixed Media : 104

Sem. /1 credit (9-12)

Prerequisite: None

Students will be introduced to a variety of mediums such as collage, bookmaking, mask making and assemblage sculpture. Work will be based on student's personal experiences and the world around them. There will be studies of artists and cultures whose work applies directly to the projects in this class.

Graphic Design

Sem. /1 credit (9-12)

Course number: 107

Prerequisite: None

Students will work with the principles and elements of design and apply them to related projects which include design exercises and more formal graphic designs such as posters and logos. A brief preview into Adobe Illustrator will be provided in the second half of the semester. Graphic Design is a prerequisite for the Kirkwood Academy class (Illustrator) which is offered here at CCA.

Advanced Art

Sem. /1 credit (11-12) Prerequisites: C+ or above in at least three different art courses AND teacher recommendation.

Course number: 108

Advanced Art is an opportunity for the artist to explore and expand their skills in mediums of their choice and explore new techniques. Students should be self-motivated to produce artwork; work independently and spend time outside of class on their artwork. Students will create a personal website page for their work as a portfolio and participate in discussions about artwork across a variety of mediums and eras. Along with individual work, students will be asked to participate in a class driven project. Students will learn to write artist statements and be expected to turn one in with each project.

Digital Imaging [Photoshop]

Sem. /1 credit (11-12)

Course number: 529

Prerequisites: Photography and/or Graphic Design

This course is for juniors and seniors only and is part of the Kirkwood Graphics and Communication Academy. Student will learn the basic functions of Adobe Photoshop, practice skills learned and apply them to

photo based projects. Reinforcement of the elements and principles of art are emphasized. Students will receive high school credit, Kirkwood credit and be exempt from this course when enrolling in the Graphics Academy at Kirkwood.

Illustrator

Sem. /1 credit (11-12)

Course number: 528

Prerequisites: Graphic Arts

This course is for juniors and seniors only and is part of the Kirkwood Graphics and Communication Academy. Student will learn the basic functions of Adobe Illustrator, practice skills and learned and apply them to graphic based projects. Reinforcement of the elements and principles of art are emphasized. Students will receive high school credit, Kirkwood credit and be exempt from this course when enrolling in the Graphics Academy at Kirkwood.

BUSINESS

Accounting I

Year/2 credits (10-12)

Course number: 109

Prerequisite: None

Presentation of basic concepts (e.g., debits, credits, transactions, journals, ledgers) and use of a contemporary practice set. The course gives an overall picture of the total process of accounting business systems, which is a good base for further study in business areas and career advancement in the business world.

Accounting II

Year/2 credits (11-12)

Course number: 110

Prerequisite: Accounting I

This class is a continuation of the concepts of Accounting I with additional emphasis given to corporate and cost accounting. We will also complete one contemporary practice set. Especially recommended for anyone pursuing a career in accounting.

Business Law

Sem/1 credit (10-12)

Course number: 080

Prerequisite: None

For better or worse, we have become a law oriented and litigation-prone society. People are more conscious than ever of their rights. Business, along with other areas, has felt this public pressure. Business law, therefore, is the study of laws that will benefit students by allowing them to better understand the world in which they live. Students will be better equipped than most citizens to recognize legal problems and to utilize professional counsel.

Computer Business Applications

Sem. /1 credit (9-12)

Course number: 111

Prerequisite: None

This course introduces Microsoft Office, using Word and Excel. We will create and edit documents, worksheets, and charts. All students will benefit for this class because it provides a basic understanding of Word and Excel, which will be used in most high school classes and beyond high school. The class will work on various projects daily.

Introduction to Business

Semester/1 credit (9-12)

Course number: 112

Prerequisite: None

This course is designed to provide an overall look at the key components in the business world. Subjects

covered include: banking, management, ethics, workers and the law, international trade, operations and organizational structures. You will use a computer simulation to design and operate your own retail store.

Sports & Entertainment Marketing

Sem/1 credit (9-12)

Course number: 113

Prerequisite: None

This class will provide a broad overview of the marketing process. Students will learn the ways products progress through the channels of distribution to the promotional phase of the marketing strategy. Marketing includes all the activities and functions required in business and organization to get goods, services, or ideas from where they are produced to where they are consumed. Knowledge of marketing is indispensable to a person who plans a business career. A computer simulation will be used to reinforce the concepts of this class.

Entrepreneurship

Semester/ 1 credit

Course number: 114

Prerequisite: One of the following: Accounting, Law, Sports Marketing or Introduction to Business.

Students will learn about starting and running their own business. A business plan will be developed after exploring topics such as innovation and creativity, business opportunities, marketing, finance, operations, and human relations. This course could lead to college credit with an acceptable summative test score through the University of Iowa.

ENGINEERING (Project Lead the Way)

Engineering Academy (EA)

Project Lead the Way is a nationally recognized, high school pre-engineering curriculum designed to help students develop better problem solving skills by immersing them in real-world engineering challenges. The courses all use project-based, hands-on experiences to teach students the key elements and skills of engineering and technology-based careers. By completing a series of Project Lead the Way courses, students will be preparing themselves for the demanding rigor of two year engineering technology and four year engineering programs. By completing any course with a passing grade students will earn EGT credit from Kirkwood. To earn regent-accepted transferrable engineering credit EGR students must pass a End of Course Assessment with a stanine score of at least 6. This score equates to a slightly above average performance over the national sample.

http://www.kirkwood.edu/pdf/uploaded/1401/engineering_academy.pdf

Introduction to Engineering Design (IED)

Year/2 credits and 3 college credit hours (9-12)

Course number: 529

Prerequisite: Currently in or above Algebra 1

This is the first course offering in the high school pre-engineering curriculum Project Lead the Way. It is a perfect class for students considering a career in engineering or even for those who just want to find out more about it. The focus of the class will revolve around learning and using the design process. Many skills and concepts such as sketching, measurement, geometry, drafting, statistics and 3-D Modeling with Autodesk Inventor are tools used by student while working through a variety of individual and cooperative design projects.

Principles of Engineering (POE)**Course numbers: 530**

Year/2 credits and 3 college credit hours Prerequisites: Intro to Engineering Design and completion of Algebra I enrollment in Algebra II or higher.

A wide variety of engineering and technology careers will be explored in this class that teaches students firsthand how engineers use math, science, and technology to solve problems and benefit people. Topics and activities will be centered on mechanisms, thermodynamics, kinematics, control, fluid and electrical systems, statics and strengths of materials. We will continue the study of engineering communications and documentation as well as the design process that was begun in the Introduction to Engineering Design class.

Digital Electronics (DE)**Course number: 303**

Year/2 credits, 3 college credit hours Prerequisites: Principles of Engineering (PLTW), Co-requisite: Approved college-prep math course.

This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

Civil Engineering and Architecture**Course number: 531**

Year/2 credits and 3 college credit hours (10-12)

Introduces students to the interdependent fields of civil engineering and architecture; students learn project planning, site planning, and building design. Prerequisite: NONE, Co-requisite: Approved college-prep math course (This class or your high schools CEA class can be Part of Kirkwood's ACE Academy Program- see counselor for more information)

Introduction to Computer Science**Course number: 721**

Semester/1 credit

Designed to be the first computer science course for students who have never programmed before, ICS is an optional starting point for the PLTW Computer Science program. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

Computer Science Engineering**Course number: 537**

Year/2 credits

Prerequisite: IED, Intro to Computer Science

This course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, robotics, and simulation.

Technology Internship**Course number: 197IT**

Sem. /1 credit (9-12)

Prerequisite: Approval from Instructor

If you love technology and want to be part of a crew to help fix devices, troubleshoot problems, offer assistance, and develop instructional "how-to's", this is a great course to consider. This is a wonderful way to extend your middle school Creek Squad experience within the high school environment. You will be expected

to man a service desk in the library and help with technology needs throughout the school and with both teachers and students. This course has limited availability. Interested students need to complete an application process with Ms. Maas.

FAMILY AND CONSUMER SCIENCES

Textiles and Construction

Sem. /1 credit (9-12)

Course number: 016

Prerequisite: None

This course is designed for the student interested in apparel and textile construction. Topics included will be clothing careers, colors, design principles and elements, and clothing care, with a focus on clothing construction. Students will learn how to use a variety of equipment and operate a sewing machine. Required construction projects include a neck wrap, zipper pouch, windsock, eyeglass case, earbud case, two jewelry bags and one stuffed animal. Students may then choose one additional project of their choice.

Fashion Marketing

Sem. /1 credit (9-12)

Course number: 017

Prerequisite: None

This course is everything you ever wanted to know about the fashion industry. It will include units on fashion, trend research, clothing design, and merchandising. Students will complete an online Fashion simulation that includes lessons on buying, pricing, retail locations, window displays, staffing and selling strategies, media promotion and fashion financials. We will look at career opportunities in the exciting world of fashion as well as business components and entrepreneurship.

Introduction to Food & Nutrition

Sem. /1 credit (9-12)

Course number: 018

Prerequisite: None

This course is a study of nutrition, food & kitchen safety, kitchen principles, basic cooking methods, and food preparation. It is designed to offer a wide variety of food-related experiences. It will integrate knowledge, skills, and practices required in food production and services or for your own home enjoyment.

Advanced Food & Nutrition

Sem. /1 credit (9-12)

Course number: 019

Prerequisite: None

This course is a study of meal planning & service, advanced food preparation and foreign cooking. Included in the course will be individual units on healthy food choices, nutrition throughout life, staying active, kitchen & dining areas, planning meals & being a smart consumer, food & entertaining, and Food of the US & Canada and Around the World (Latin America, Europe, Mediterranean Countries, Middle East and Africa, and Asia).

Culinary Arts

Sem/1 credit (10-12)

Course number: 427

Prerequisites: Intro. to Food & Nutrition **OR**
Advanced Food and Nutrition

This course provides the student with a practical view of the culinary workplace and gives you the knowledge and skills needed to become a culinary professional. Throughout the semester we will explore the dining experience, safety and sanitation, the use of equipment, knives and smallwares used in the professional kitchen, culinary nutrition principles, standardized recipes and cooking techniques used in quantity food preparation from seasonings and flavorings to baking and pastry.

Personal Finance (graduation requirement class of 2018 and beyond)Sem. /1 credit (12th grade only)**Course number: 263**

Prerequisite: None

Foundations in Personal Finance is designed to help teach students important personal financial skills in saving and budgeting as well as credit and debt. Topics include saving, budgeting, debt, life after high school, consumer awareness, bargain shopping, investing and retirement, insurance, money and relationships, careers and taxes.

Families Today

Sem. /1 credit (9-12)

Course number: 264

Prerequisite: None

Families Today is designed to help students prepare for a mature adult role in society as either a single or married partner. Units include the family foundation, strengthening relationships, decision-making skills, supporting family and friends, extending your relationships, and forming your own family. Emphasis will be on the importance of the family in today's society.

Child Development

Sem. /1 credit (9-12)

Course number: 022

Prerequisite: None

Child Development is the study of the development and growth of a child from conception to age 6. Physical, cognitive, and social/emotional development will be discussed as well as childhood stages. Parenting responsibilities will be emphasized. Highlights include field trips, videos, and the opportunity to experience the Baby Think It Over for 72 hours (or alternative project). Any student planning on becoming a parent in the future and those interested in careers in the teaching field will benefit from this child development course.

Interior Design

Sem. /1 credit (9-12)

Course number: 428

Prerequisite: None

Housing/Home Furnishing is designed to help student make wise housing decisions regarding construction, furnishing, and decorating a home. Topics of study will include housing and human needs, choosing a place to live, understanding house plans elements and principles of design, textiles in the home, furniture styles and selection, windows and lighting.

Parenting

Sem./ 1 credit (10-12)

Course number: 020

Prerequisite: None

This course is designed to help students look at different aspects of parenting and parenthood. Philosophies of parenting techniques are explored. The focus is to encourage the student to think about parenting, the many choices and responsibilities with such a role, and how one can be an effective parent. Myths of parenting along with legal consequences of child neglect and abuse will be studied. How to provide a positive environment for development from conception to 18 years will be explored. Students will study the relationship of positive parenting and nurturing responsible self-disciplined children capable of critical thinking.

Restaurant Operations 101

Sem./ 1 credit (10-12)

Course number: 15

Prerequisite: Intro to Foods & Nutrition

This NEW course is designed for the student interested in the actual "hands-on" management of a small food-related business. Using virtual software, students will focus on all areas of management. This will include financial statements, menu design, pricing, purchasing, layout, staffing, and marketing. Students will be empowered to actually supervise a small food business (take and bake) while also getting to prepare food!

INDUSTRIAL TECHNOLOGIES

Introduction to ACE

Sem. /1 credit (9-12)

Course number: 023

Prerequisites: None

This course is an introductory prerequisite for any other class taken in the Industrial Technology area. It is designed to give students a basic introduction and overview to the topics available within the Industrial Technology Department. It will cover a wide range of study of the following areas; Architecture and Construction, Graphic Communication, Manufacturing, Power and Energy, and Transportation. Most units will include safety, hands-on work, and in some areas a project. The curriculum is designed around exploration of these systems and their impacts on society. Students will also develop problem-solving skills, explore career awareness, and relate technology to math and science.

Mechanical Drafting

Sem. /1 credit (9-12)

Course number: 027

Prerequisite: None

This is a foundation course for those students desiring to gain basic knowledge and fundamental skills in mechanical drawing and beginning architecture. Plans will be made/drawn on a board since all manufactured products begin on a drawing board. Students will learn how to produce and read working drawings and blueprints. This course is designed for students who may pursue a job in the construction area, engineering, architecture, and other related fields.

Construction Material Processing

Sem. /1 credit (10-12)

Course number: 031

Prerequisite: None

Students will continue developing team building skills introduced in Introduction to Technology. This is the foundational course for the architecture and construction cluster. Students will learn proper construction terminology and safe instruction in hand and power tool usage through project construction. Students will experience plan development, reading project drawings, material identification, cost estimation and production.

Metal Manufacturing

Sem. /1 credit (10-12)

Course number: 025

Prerequisite: Mechanical Drawing

Students will learn how to use the basic hand and power tools in sheet metal, welding, foundry sand casting molding and metal fabrication processing. This is an entry-level class but Mechanical Drawing/ Architectural Drafting is recommended prior to taking this course. Fee: \$10.00

Construction Technology

Sem. /1 credit (10-12)

Course number: 032

Prerequisite: Materials Processing I

This course continues to expand upon the skills and techniques acquired in Construction Material Processing. Construction skills that will be acquired will include: machine skills and equipment usage, hand and power tool capabilities, time management, interpreting plans, specs and working drawings, problem solving and conflict resolution, and materials.

LANGUAGE ARTS

Students are required to take English 9, English 10 and 4 additional English credits to fulfill their English graduation requirements. English electives are offered and only count toward fulfilling general graduation requirements.

English 9

Year/2 credits (9-12)

Course number: 002

Prerequisite: Required Freshman year

Students will learn to analyze literature and apply it to their own experiences. Students will learn to critique and react to literary works. The main writing skills emphasized include paragraph and theme development, mechanics, and sentence structure. This will be accomplished through creative and expository writing. Students will also work on study skills and character development. Students not passing each semester of English 9 will be re-enrolled in English 9 the following school year.

English 10

Year/2 credits (10)

Course number: 003

Prerequisite: Required sophomore year

This course provides the opportunity for students to improve their reading, writing, listening, and speaking skills. A variety of reading selections including novels, poetry, drama, and non-fiction will provide opportunities for critical thinking. Part of this course will emphasize research writing and public speaking. Students not passing each semester of English 10 will be re-enrolled in English 10 the following school year.

English 10 Plus

Year / 2 credits (10)

Course number: 003A

Prerequisite: Completion of English 9

English 10 Plus covers the curriculum of English 10, but with more depth and vigor. Students can expect more reading, writing, and analysis. This is a good preparatory class to AP English.

English 11

Year/2 credits (11)

Course number: 005

Prerequisite: English 10

This course will focus on a survey of classic and contemporary American literature and expository writing. Students will explore the various modes of literature--short story, novel, poetry, drama, and essay by noted American authors. The emphasis will be on analysis of literature, as well as reflecting on its historical relevance. Students not passing each semester of English 11 will be re-enrolled for English 11 the next school year.

AP Language and Composition

Year/2 credits (11)

Course number: 115

Prerequisite: English 10

As stated in the *Advanced Placement Course Description*, the purpose of AP Language and Composition is to “enable students to read complex texts with understanding and to write prose of significant richness and complexity to communicate effectively with mature readers.” Through this course, students will examine how writing functions, how writers employ argument, and how that writing can become effective or ineffective. Students will explore the diverse ways in which writers construct meaning for different audiences or purposes and with different rhetorical strategies. As the course progresses, students will become aware of their

own writing processes through self-assessment and evaluation. These skills, behaviors, and attitudes will allow students to read critically and write effectively with multiple modes and perspectives in the college classroom and beyond.

English 12

Year/2 credits (12)

Course number: 008

Prerequisite: English 11 or AP English Language and Composition

This course is designed to prepare students for real world reading and writing. Emphasis will be on the four types of writing [expository, descriptive, narrative and persuasive] and reviewing language skills, as well as preparing students to be critical thinkers. Students will study a variety of traditional literature, as well as aspects of everyday reading. This course is a general English study and review in preparation for life after high school.

AP English Literature and Composition

Year/2 credits (12)

Course number: 007

Prerequisite: English 11 or AP English Language and Composition

This course is designed to prepare students for the challenges of college level reading and writing. The course parallels a college-level English course, requiring students to think, analyze and write at a mature level. A variety of genres and time periods will be studied to prepare students for the future. Students planning to attend a four-year college should enroll in this class.

Introduction to Journalism

1 semester elective credit (9-12)

Course number: 013

This class presents an overview of the field of journalism and mass communication. It teaches students to be consumers of media and to understand news-gathering and production. It includes news writing (as well as sports and feature), reporting, editing, and legal and ethical issues. We will write, analyze, and evaluate multiple journalism avenues including: newspapers, magazines, social networking sites, websites, T.V., etc. (This course creates a foundation for students to be successful in yearbook or newspaper.)

Newspaper

Year/2 elective credits

Course number: 328NWP

Prerequisite: Introduction to Journalism and/or instructor approval

This class produces the newspaper. In general instruction, students will learn journalistic rights and responsibilities, forms of journalistic writing, editing, interviewing, photography and design styles. Class time will focus on production of the newspaper, and students are required to attend extracurricular activities to take photos for the newspaper and conduct interviews.

Yearbook

Year/2 elective credits (10-12)

Course number: 014

Prerequisites: Journalism and/or instructor approval

This class produces the yearbook. In general instruction, students will learn journalistic rights and responsibilities, forms of journalistic writing, editing, interviewing, photography and design styles. Class time will focus on production of the yearbook, and students are required to sell sponsorship ads to support the yearbook program and attend extracurricular activities to take photos for the yearbook.

Yearbook requirements:

1. Students must be technologically savvy.
2. Students must attend extracurricular activities to take photos for the yearbook.
3. Students must demonstrate exceptional writing and editing skills.
4. Students must be willing and able to work after the end of the school year if the yearbook is not finished.
5. Students must have excellent attendance.

6. Students must have a GPA of 3.0 or higher.
7. Students must be able to work independently, be responsible and dependable, self-starters, capable of multitasking, meeting deadlines, and have superb organizational and communication skills.
8. Students must work well with others.

Dramatic Acting & Performing (fall course)

Course number: 011

Sem. /1 elective credit (10-12)

This is an introductory course to the world of theatre. Dramatic Acting and Performing will allow students to discover plays and playwrights that may not be covered in their normal curriculum. Dramatic Acting and Performing will research the plays, authors, and work on designing a performance of the plays. The class will focus on what the intentions of the author were and how that idea can be instilled on the stage. Dramatic Literature will also look at scenic designing, costume designing, and the other aspects that are necessary to create a successful performance. Dramatic Acting and Performing is discovering theater through the building of a play from the ground floor.

Dramatic Reading (spring semester odd years)

Course number: 011

Sem. /1 elective credit (10-12)

Dramatic Reading is a study of theatre, specifically in the area of reading and interpretation. Students will read and analyze a variety of dramas from 425 B.C. to the 20th century. In addition, students will work individually and collaboratively to improve their personal interpretive reading ability.

Creative Writing (spring semester even years)

Course number: 012

Sem. /1 elective credit (11-12)

Prerequisites: English 9 and 10

This course is for the student who enjoys using his/her imagination through writing. The students will be expected to write extensively and a major part of the course will involve revision. The student will write a variety of short stories, plays, poems, and personal narratives. The mechanics of writing and vocabulary will also be reviewed.

Composition I - KCC

Course number: 753

Sem. /1 credit (12)

Prerequisites: Meets Kirkwood qualifying requirements

This will be offered at CCA for students who do not wish to attend the entirety of the Kirkwood Arts and Science Academy. College credit will be awarded for successful completion. This course is designed to help students:

- Improve critical reading, writing, and thinking skills
- Gain understanding of the process of writing, including invention, thesis, rough drafts, final drafts, global revision, editing, and the importance of the writing community at various stages during the evolution of a composition
- Heighten awareness of audience and purpose through various types of writing assignments
- Increase ability to generate and develop effective supporting evidence
- Develop organizational skills in paragraphing and essay writing
- Recognize and apply language and style options, such as vocabulary word choice, figurative meaning, conciseness, emphasis, parallelism, and voice
- Improve command of standard English, including punctuation and grammar; and through these experiences, build confidence in writing ability

Composition II - KCC

Sem. /1 credit (12)

Course number: 753S2

Prerequisites: Meets Kirkwood qualifying requirements

This will be offered at CCA for students who do not wish to attend the entirety of the Kirkwood Arts and Science Academy. College credit will be awarded for successful completion. To achieve the Course Objectives for Composition II, students will:

1. Locate, select, and evaluate appropriate sources and integrate information from sources into their writing or texts
2. Cite and document sources using the MLA or other parenthetical documentation format
3. Comprehend and analyze the arguments of others
4. Write logical arguments that state claims clearly and provide appropriate and sufficient reasons and evidence to support those claims
5. Continue to improve critical reading, writing, and thinking skills
6. Continue to gain an understanding of, engage in, the process of writing community at various stages during the evolution of composition
7. Continue to heighten awareness of audience and purpose through various types of writing assignments which may include summaries of analyses of readings, research papers, literary analyses, business letters, etc.
8. Continue to improve command of standard English, including punctuation and grammar
9. Through these experiences, continue to build confidence in writing ability

Contemporary Literature (spring semester odd years)

Sem. /1 elective credit (10-12)

Course number: 02020

Prerequisites: Successful completion of English 9

This course reflects a variety of tastes and styles from recent fiction and nonfiction and offers students the opportunity to read books independently. Students will complete different activities for each book, including but not limited to conferences with instructor, journal entries, short essays, and book talks. Students will help determine their own grades based on the number of books read and their level of difficulty.

Reading Strategies I

Year /2 elective credit (9)

Course number: 498

Prerequisites: Middle School Recommendation, Iowa Assessment and MAP Scores

Reading Strategies 1 is a course designed to help students become more effective readers and thinkers than they already are. By the end of the year, reading should be easier and students should be more able to use reading as a tool to get the grades, job, and information they want. To make this happen, students will learn a variety of practical reading strategies. These strategies will enable students to become both proficient readers and test takers. Along the way, students will also read highly engaging novels that they select, and apply the newly learned reading strategies to those novels. Emphasis is on vocabulary development, reading comprehension and fluency, and study strategies.

Reading Strategies II

Year /2 elective credit (10-12)

Course number: 498

Prerequisites: Instructor Recommendation, Progress in Year 1, Iowa Assessment and MAP Scores. Reading Strategies 2 is a continuation of Reading Strategies 1.

MATHEMATICS

Non 4 year college bound/career ready sequence.

Algebra I Daily

Course number: 038

Year/4 credits (2 math, 2 elective)

Algebra I Daily will meet every day. This course will help build and strengthen foundational math skills and cover the content found in algebra I. Students will be introduced to the principles and techniques of modern algebra. It includes the study of the real numbers, equations, working with polynomials, factoring, inequalities, functions and relations, graphing, and quadratic equations.

Geometry Daily

Course number: 047

Year/4 credits (2 math, 2 elective): (9-12) Prerequisites: Algebra I or Daily Algebra

Geometry Daily will meet every day. This course will help build and strengthen foundational math skills and cover the content found in geometry. This course encompasses standard geometric definitions and their applications, conjectures, constructions, measurements, congruence, angle relationships, circles, area, volume, similarity, Pythagorean Theorem, basic trigonometry, spatial relationships, proofs, and inductive/deductive reasoning. An investigative approach is used to discover the concepts related to geometry. Practical applications are incorporated in the problem solving.

Core Algebra II

Course number: 042

Year/2 credits (10-12) Prerequisites: Algebra I Daily, Geometry Daily, or Instructor Approval

This course is intended for those students in the daily math sequence. This is not intended for students planning on attending a 4 year college/university as it may not meet entrance requirement criteria. Core Algebra II begins with a logical development of Algebra I, broadening each topic as it is discussed. The course includes linear equations, systems of equations and inequalities, quadratic equations, functions, powers, roots, radicals, exponential functions, polynomials, and probability and statistics. This course is designed to expose students to the required algebra learning standards.

College bound/career ready sequence.

Algebra I

Course number: 039

Year/2 credits (9-12)

Prerequisite: None

Algebra I is an introduction to the principles and techniques of modern algebra. It includes the study of the real numbers, equations, working with polynomials, factoring, inequalities, functions and relations, graphing, and quadratic equations.

Geometry

Course number: 040

Year/2 credits (9-12)

Prerequisites: Algebra I or Algebra I Daily

This course encompasses standard geometric definitions and their applications, conjectures, constructions, measurements, congruence, angle relationships, circles, area, volume, similarity, Pythagorean Theorem, basic trigonometry, spatial relationships, proofs, and inductive/deductive reasoning. An investigative approach is used to discover the concepts related to geometry. Practical applications are incorporated in the problem solving.

Algebra II

Course number: 041

Year/2 credits (10-12)

Prerequisites: Algebra I, Geometry, or Geometry Daily

(Algebra II can be taken concurrently with Geometry with **instructor approval**)

Algebra II begins with a logical development of Algebra I, broadening each topic as it is discussed. The course includes linear equations, systems of equations and inequalities, quadratic equations, functions, powers, roots, radicals, exponential and logarithmic functions, polynomials, and trigonometry. Special topics may include rational functions, quadratic relations, sequences and series, probability and statistics.

Additional strongly encouraged college bound math course options

Statistics

Sem. /1 credit (11-12)

Topics include number theory, use of hand-held calculators, data representation, counting problems, probability, and statistics. These concepts will be related to everyday demands in reading and understanding publications and interpreting statistics.

Course number: 419

Prerequisites: Geometry

Statistics II

Sem. /1 credit (11-12)

Statistics II is an extension of Statistics I. Topics include simulations, analysis of real world data, probability distributions, and confidence intervals.

Course number: 419S2

Prerequisites: Statistics

Trigonometry Pre-Calculus

Year/2 credits (11-12)

Prerequisites: Algebra I, Algebra II, and Geometry with a C average or better.

This course will expand concepts and skills developed in Algebra and Geometry, with the function as the unifying concept. Topics studied will include trigonometric functions, logarithms, exponents, conics, and polar coordinates. Graphing calculator encouraged (cost \$85-\$125).

Course number: 042

AP Calculus AB

Year/2 Credits (12)

Prerequisites: Algebra I and II, Geometry, Pre-Calculus with a grade of C or higher or instructor approval.

AP Calculus will cover material in a typical college Calculus class.

Topics include: Prerequisites for college Calculus, Limits, Continuous Functions, Derivative and its many applications, and Integration. The class will address any misconceptions that students have about Mathematics. We will study and prepare for the AP Exam and completion of this test will be encouraged. Graphing Calculator encouraged (cost \$85-125).

Course number: 043

MUSIC

Instrumental Music Offerings

Concert Band/Marching Band

Year/2 credits (9-12) Prerequisite: Previous instrumental music experience or by audition with director.

Membership is open to all high school students who have previous experience in the Middle School Instrumental Music Program or by discretion of the director. The main emphasis is marching and concert band with other performance opportunities available. During the first quarter the Concert Band & Wind Ensemble will be combined to form the Clipper Marching Band. At the completion of the marching season students will be divided into two concert ensembles. Members of the band are required to attend five, 20-minute lessons per

Course number: 044

quarter, scheduled during the day, before school or afterschool. At certain times during the year, extra rehearsals will be needed before or after school. All students enrolled in Concert Band are required to be at all rehearsals and performances.

Wind Ensemble

Course number: 045

Semester/1 credit (9-12)

Prerequisite: Audition required and director approval

Students who wish to enroll in Wind Ensemble must audition at the beginning of the second semester and be approved by the director before registering for this course. Selection will be based on musical knowledge, playing ability, and instrumentation needs. The main emphasis is marching and concert band with other performance opportunities available. During the first quarter the Concert Band & Wind Ensemble will be combined to form the Clipper Marching Band. At the completion of the marching season students will be divided into two concert ensembles. Members of the Wind Ensemble are required to attend five, 20-minute lessons per quarter, scheduled during the day, before school or afterschool. At certain times during the year, extra rehearsals will be needed before or after school. All students enrolled in Wind Ensemble are required to be at all rehearsals and performances.

Music Theory I (10-12) one semester (1st semester only) Course number: 056

Semester/1 credit

Prerequisite: None

Music Theory I is a one semester course designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This course will seek to instill mastery of the rudiments and terminology of music including: notation, intervals, scales and keys, chords, metric organization and rhythmic patterns.

Music Theory II (10-12) one semester (2nd semester only)

Course number 056A

Semester/1 credit

Prerequisite: Music Theory I

Music Theory II is a one semester course designed to build on the skills learned in Music Theory I and progress to more creative tasks such as: form and structure of various repertoire analysis of chord structure, composition of melodies. Emphasis will be placed on functional harmony, tonal relationships, standard rhythms and meters, phrase structure, and small musical forms. Students will continually work to improve in areas of aural skills, sight-singing, composition and analysis.

Advanced Instrumental Technics (10-12) one semester Course number 048AIT

Semester/1 credit

Prerequisite: 1 year of High School Instrumental Music

Advanced Instrumental Technics is a one semester course designed to develop a more in depth knowledge of a students chosen instrument. Emphasis will be placed on instrument history, instrument maintenance, advanced solo preparation, and advanced musical studies for college prep. Students will learn to self evaluate their progress and will document their progress in both a journal and video format.

Vocal Music Offerings

Voce

Course number: 046

Year/2 credits (9-12)

Prerequisite: none

This class is for students who enjoy singing. Students in this ensemble will work on a variety of music throughout the year. The musical skills that will be worked on: proper breathing, vocal production, blend and balance, expansion of range, good intonation, and diction. Members of the choir are required to attend lessons throughout the school year. Scheduled performances throughout the school year is a requirement of the class.

Cantores

Year/2 credits (9-12)

Course number: 046A

Prerequisite: Audition required

This class is advanced with an emphasis on excellent ensemble singing and individual vocal development. A wider variety of choral literature will be performed at a higher level. Members of the choir are required to attend lessons throughout the year. Scheduled performances and rehearsals throughout the school year is a requirement of the class.

Lyrica

Year/2 credits (9-12)

Course number: 046WC

This class will perform a variety of music and perform some pieces that are Acapella for 4 part Women's voices. This class will focus on blend, intonation, diction, dynamics, vocal tone and expression. Members of this choir are required to attend lessons throughout the year. Scheduled performances throughout the school year is a requirement of the class.

Musical Theatre (first semester only)

Sem. /1 elective credit (10-12)

Course number: 044

Prerequisites: Successful completion of English 9

Students will present songs and scenes from well-known musicals in class. Students will also learn how to improve their stage presence, singing skills, acting abilities and prepare for future auditions. Students will also read, watch and sing multiple styles and eras of musicals.

PHYSICAL EDUCATION

Physical Education

Sem. /1 credit (9-12)

Course number: 052

Prerequisite: None

Physical education is an integral part of the total education process. The program aims to promote physical fitness, allow for individual differences in skills, assess physical progress, and help students develop mentally, emotionally, and socially through physical activity.

All students at Clear Creek Amana must successfully complete 4 credits of Physical Education. One credit must be completed each year unless specifically waived by the Principal. Team-oriented activities offered are soccer, football, softball, basketball, hockey, handball volleyball; however, many other activities are lifetime sports. These sports are what will carry over to an individual's life after high school. These sports would include tennis, racquetball, pickleball, speedminton, table tennis, and badminton. Emphasis is on the physical. Participation is the essence to this education regarding the realm of sports and physical activity. Also included are some rhythmic activities of sports and specific fitness and conditioning activities that are very important for correct physical growth during these years. Four credits, at least one per year, are required to graduate.

Advanced Physical Education

Sem. /1 credit (9-12)

Course number: 053

Prerequisite: None

Advanced PE will be offered for students who want to get better, faster, and stronger utilizing weight based resistance training. Students will receive instruction and coaching on weight lifting fundamentals and technique. Students will be assessed on their knowledge and technique of these weight lifting fundamentals. More complex skills and movements will be learned and implemented into workouts as students advance

through the program. Daily video sessions of proper lifting form will be shown. Video will also be used to highlight student's lifting technique and possible improvements to be made. Specific workouts will be tailored for non-athletes and athletes alike. Students will have choices of a wide range of workouts. Mobility and flexibility work will be provided for all students as well. Athletic fitness and aerobic movements will be added when necessary. Extra options including prowler pushes, sled pulls, and band exercises will be provided for students who have multiple workouts in one day.

Personal Fitness

Sem. /1 credit (9-12)

Course number: 054

Prerequisite: None

The objective of the course is to provide a variety of high intensity training workouts to give students the tools and skills to be physically active for a lifetime. This class will feature current fitness based trends such as various resistance training including bands, exercise balls, body-weight exercises, aerobics, kickboxing. Workouts will be structured on a rotation to provide workouts for all fitness components. Students taking this class should be serious about their personal fitness, be self motivated and be willing to workout for the a large portion of each block

Adaptive PE

Sem. / 1 credit (9-12)

Course Number: 055

Adaptive PE will be offered for students who are unable to participate in regular physical education and or could benefit from an accommodated physical education environment. Class activities will be adapted or modified to meet individual needs. Each student performs at an individual level of ability without pressure or competition. Students with temporary and permanent disabilities are served as well as students with major health problems. If students require a Physician's statement specific restrictions and recommended activities should be provided.

Cardio Fitness

Sem. /1 credit (9-12)

Course number: 02014

Prerequisite: None

The objective of cardio fitness is to provide a cardio based only PE class. Students will be exposed to different cardio and aerobic based exercises emphasizing increased and sustained heart rates along with increased oxygen intake while exercising. Students will utilize the fitness room and track facilities along with other available equipment to help meet the class goals. Students should be self motivated and be willing to do only cardio activities for the PE block.

HEALTH

Health

Year/2 credits (10)

Course number: 051

Prerequisite: Required sophomore year

Students will learn to recognize health from a wellness approach that affects the whole person throughout their lives. Topics to be discussed will be family and social health; substance abuse; nutrition and physical health; safety and first aid; teenage sexuality, including sexually transmitted diseases; HIV and decision making skills. Part of the curriculum will include CPR training by an approved CPR instructor.

SCIENCE

We have redesigned the science curriculum to meet the newly adopted Next Generation Science

Standards.

CCAHS Science Course Offerings: NGSS Aligned

Earth Science, Biology, Chemistry, and Physics are required by the Next Generation Science Standards (NGSS)

2017/2018 Options (one is required)	9 th	10 th	11 th / 12 th
1 – College, I LOVE SCIENCE!!!	Earth Science	Biology	Chemistry I & Physics & Chem II
2 – College, Chemistry and/or Biochemistry Interest	Earth Science	Biology	Chemistry I, Physical Science (2 nd), Chem II & AP Biology
3 – College, Physics and/or Biophysics Interest	Earth Science	Biology	Physical Science (1 st), Chemistry, Physics & AP Biology
4 – No college, no science interest	Earth Science	Biology	Physical Science

Required (3 years/6 credits)

9th: Earth Science (year), beginning with 2017/2018 students (Earth Science is not required for current students)

10th: Biology (year)

College Bound, College and Career Ready

11th/12th: Option 1: Chemistry I (year) and Physics (year)

Chemistry prerequisite: Algebra I, Geometry (recommended/currently enrolled)

Physics prerequisite: Algebra II, Trigonometry (recommended)

Option 2: Chemistry I (year) and Physical Science (2nd semester because it covers Physics standards)

Option 3: Physics (year) and Physical Science (1st semester because it covers Chemistry standards)

Non-college bound, Career Ready

11th/12th: Option 4: Physical Science (year), 1st semester covers chemistry and 2nd semester covers physics

Don't forget about electives!!!

Chemistry II (semester)

Prerequisites: Algebra II, Chemistry I

AP Biology (year)

Prerequisites: Biology (85%+), Chemistry I, Algebra (recommended)

Anatomy and Physiology (year)

Prerequisites: Biology (85%+)

Notes:

- Only freshman, juniors, and seniors can take Earth Science in 2017/2018 (no sophomores).
- Only freshman and juniors can take Earth Science in 2018/2019 (this should cover the transition time).
- Earth Science, Biology, and some form of both Chemistry and Physics (Chemistry, Physics, Physical Science options above) will be required for graduation beginning with 2017/2018 freshmen.
- Current freshman, sophomores, and any juniors/seniors that have not taken their last two science credits will have the option (grandfathered/not required) to take Earth Science in the next couple of years only.
 - It is our goal to make Earth Science freshman-only by our third transition year.
 - Earth Science is preferred for non-college bound students during this transition.

§ For now Weather and Space are no longer offered.

· Physical Science will not be an option again until the 2019/2020 school year.

○ Options 1 and 4 are preferred over 2 and 3.

○ Physical science will be split into chemistry 1st semester and physics 2nd semester.

○ It is preferred/common to have Chemistry or 1st semester Physical Science before taking Physics or 2nd semester Physical Science, but this is not required.

Earth Science

Year/2 credits (9)

Course Number: 067

Prerequisites: Required freshman year

Earth Science is the study of current and historical scientific processes in, on, and around the Earth. Topics investigated will include (but are not limited to) hydrosphere, global climate, solar system origins, geology, geochemical cycles, and weather. The emphasis of the course is for the students to experience science through activities and labs, use technology and understand how earth science is relevant to their everyday lives. Grades will be based on assignments, labs, projects, notebooks, and tests. This course is a graduation requirement.

Biology

Year/2 credits (10)

Course number: 061

Prerequisites: Required sophomore year

Biology is the study of all living things and how they interact with each other. Topics include sustainability, ecology, cell biology, genetics, evolution and classification. This is a problem-based learning curriculum. Lab experiences will be included throughout the year to make the material more meaningful. This course is a graduation requirement.

Physical Science

Year/2 credits (11-12)

Course number: 060

Prerequisite: Algebra I

This course will not be offered in 19-20.

This class is designed to introduce students to chemical and physical principles through observation, research, and investigation. Students will study energy, motion, simple machines, atomic structure, elements, chemical reactions, waves, light, and sound. The problem solving skills of questioning, analyzing data, and drawing conclusions will be emphasized. This course is a graduation requirement (Chemistry (year) with 1st semester Physical science, Physics (year) with 2nd semester Physical Science, or Chemistry (year) with Physics (year) are acceptable substitutions).

Chemistry I

Year/2 credits (11-12 or 10th grade with instructor approval)

Course number: 062

Prerequisites: Algebra I

Recommended: Geometry or currently enrolled

This course is recommended for all college-bound students and the curriculum is geared toward the first year college student. Completion of the course should adequately prepare the individual for college chemistry. Topics that will be discussed throughout the year include metric measurement, matter classification, atomic theory, electron configurations, the mole, chemical reactions, molecular geometry, and gas laws. Physics (year) or Physical Science (1st semester) must also be completed for graduation.

Chemistry II

Semester /1 credit (11-12)

Course number: 300

Prerequisites: Algebra II, Chemistry I

This course is designed as an extension of Chemistry I. Chemistry II is for motivated college bound students who have a high interest in majoring in the sciences, engineering, or a medical field. The content will

include: solutions and molarities, acid –base reactions, reaction kinetics, oxidation-reduction, and organic chemistry. This course will provide a strong knowledge base for those students who plan to take an introductory college chemistry course

Physics

Year/2 credits (11-12)

Recommended: Trigonometry

Course number: 063

Prerequisites: Algebra II or instructor's approval

This course is laboratory based and recommended for college-bound students or for those students who enjoy science and meet the prerequisite requirements. Data interpretation and problem solving skills are emphasized. Approximately 35% of class time is devoted to laboratory investigations. Topics covered include: vectors, motion, mechanics, physical laws, projectile motion, momentum, energy transfer, electricity, wave properties, nuclear energy etc. Participation in regional Physics Olympics will also be a part of the curriculum. Chemistry (year) or Physical Science (2nd semester) must also be completed for graduation.

Anatomy & Physiology

Year/2 credits (11-12)

Prerequisites: Biology with at least an 85% (or teacher recommendation)

Course number: 064

This course is recommended for college-bound students and those with an interest in the life sciences. If you are interested in any field or sub-field of medicine, such as nursing, physician's assistant, pharmacology, physical therapy, athletic or personal training, nutritionist, psychology, vet, or medical doctor, this course is *highly* suggested as it will be a great introduction to the human body and its complex systems.

Course Description:

In Biology, cells were the main focus of study. You learned about what cells were, how they differed, and their basic structure and function. In Anatomy & Physiology, we will be expanding on your knowledge of life, by focusing on the amazing, but very complex human body. In this course students will pursue a more in-depth study of the human body, its structure and function of its organ systems, and human disease. The body's ability to maintain 'good health,' is dependent upon its' ability to maintain proper structure and function, even under unfavorable conditions. We will conquer this task by first learning about the basic structure of the body and how it is organized. This course will provide opportunities to also study several dissections including a cat, an eyeball, a heart, and a brain, in which to compare to the human body. The major units covered in this course include the following: Introduction to the Human Body, Tissues, Integumentary System, Skeletal System, Nervous System, Muscular System, Circulatory System (Cardiovascular, Respiratory, and Immune Systems), Digestive and Urinary System, Endocrine System, and Reproductive System.

AP Biology

Year / 2 credits (11-12)

Prerequisites: Biology with at least an 85%, Chemistry I

Course Number: 116

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by freshman biology majors. Although, it is not a course for only those interested in science; if a student knows that he or she does NOT want to go into science but would like to get some of their college science requirements complete, this would be a great course to take.

AP Biology is for students who are interested in ANY field or sub-field of science such as medical doctor, chemist, physician's assistant, geology, biomedical engineering, physical therapy, botany, horticulture, Earth science, animal science, conservation, athletic or personal training, nutritionist, agriculture, veterinary science, psychology, science education, nursing, etc.

Course Description:

The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students, and is therefore designed to be taken by students after the successful completion of a first course in high school biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process.

There will be four big ideas studied throughout the course of the year:

Big Idea 1: The process of evolution drives the diversity and unity of life.

Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

Big Idea 3: Living systems store, retrieve, transmit and respond to information essential to life processes.

Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

SOCIAL STUDIES

Social Studies Survey

Year/2 credits

Course number: 072

Prerequisite: Required freshman year

This one-year course focuses on three areas of social studies: world geography, world history and anthropology. The world geography portion will examine the physical and human world within global and regional contexts using the five themes of geography and the six elements of culture, and current events. After students are introduced to the aforementioned topics, they will apply them to world history and anthropology. Further exploring our history and how it evolved into the society it is today by looking at past governments, peoples, cultures, and other significant events which have occurred over time.

Introduction to Sociology

Sem. /1 credit (11-12) spring semester

Course number: 258

Prerequisites: None

The goal of this course is to introduce students to Sociology—the study of human relationships. Students will not only learn the basic principles, concepts, and theories that constitute the core study of Sociology, but will also be given the knowledge to better understand society. Students will be able to see the world through the eyes of others and draw connections between what they are studying in class and the events that are taking place throughout the world today. The primary measures for learning and understanding will be through the completion of daily assignments and activities, class discussions, external research, composition papers and a comprehensive final activity.

This is an upper level elective. ONLY Jr/Sr students should be signed up for this course.

American History

Year/2 credits

Course number: 073

Prerequisite: Required Junior year

The course over U.S. History will begin with westward expansion across the Mississippi River by the non-native people. The course will proceed on a chronological basis up to the present. Major topics covered will include: Industrialization, the Spanish-American War, U.S. involvement in World War I, the Depression, the New Deal, World War II, The Cold War, and the Vietnam War. These topics will be studied in the context of how these events affect us today. Required for graduation.

AP U.S. History**Course numbers: 261**

Year/2 credits (11-12 [Alternative to US History])

AP U.S. History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in U.S. History. It is a challenging curriculum that is meant to be the equivalent of a freshman college course and can earn students college credit. The program prepares students for intermediary and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents. The purpose of this course is to acquire a thorough understanding of United States history. Also, this course is intended to prepare students for the AP U.S. History Exam to be taken in the spring semester. Finally, this course may be used to gain college level credits or simply to ensure preparedness for the college experience

Introduction to Psychology**Course number: 074**

Sem. /1 credit (11-12) spring semester

Prerequisite: Instructor approval

Introduction to Psychology is a survey course that explores several levels of psychology at an introductory level. Students in this class would examine the biological basis of behavior, sensation and perception, states of consciousness, learning, memory, cognition, intelligence, motivation and emotion, child development, adolescence and adulthood, personality and assessment, stress and health psychology, psychological disorders, approaches to treatment, social psychology, and applied psychology. This course will utilize films, discussions, research, creation of APA composition papers and text readings to build a solid base for the understanding of basic and applied psychology.

This is an upper level elective. ONLY Jr/Sr students should be signed up for this course.

Economics**Course number: 305**

Sem. /1 credit (10-12)

Economics provides students with an overview of economic principles and the opportunity to analyze current economic events locally, nationally and globally. This course will begin with an overview of the most fundamental economic concepts and progress into more complex themes such as supply side economics, progressive v. flat taxes, free trade v. protectionism and the regulation and deregulation of business. As this course proceeds, students will develop their financial literacy skills so they can have the opportunity to make wise economic choices later on in life.

Eastern Cultures**Course number: 078**

Sem. /1 credit (10-12)

Prerequisite: Survey of Social Studies

Eastern Cultures is a project-based course in which students are guided through an overview of cultures in the East using the Seven Elements of Culture: Social Organization, Customs and Traditions, Language, Arts & Literature, Religion, Forms of Government, and Economic Systems. In addition, a large part of this class is understanding and practicing Mindfulness and studying its link to Eastern thought. Each class period will begin with Mindfulness and students will be required to log their experience. We will also read a novel which represents aspects of the Seven Elements of Culture and Mindfulness. Lastly, the class requires participation and discussion in each of these aforementioned activities.

Modern Political Controversies**Course Number: 076**

Sem./1 credit (10-12)

Prerequisite: Survey of Social Studies

MPC will explore in-depth controversies in America from both a liberal and conservative perspective. Issues that will be dealt with include the Death Penalty, Abortion, Terrorism, Health Care, Drug Legalization, Gun Control, Police Conduct, Race Relations, and Same-Sex Marriage. This course will rely heavily on publications such as the *National Review* for the conservative viewpoint and *The New Republic* for the liberal viewpoint. It is likely that guest speakers with strong opinions on these issues will appear in the class. Assignments will consist of written and oral reports, as well as formal debates on the various topics. A major theme of this class will be practicing civil discourse while participating in rigorous and contentious debate.

Contemporary U.S. History

Sem. /1 credit (10-12)

Course number: 03003

Prerequisite: Survey of Social Studies

Contemporary U.S. History will begin with the presidency of Richard Nixon and proceed on a chronological basis through the end of the presidency of Barack Obama. Major topics covered will include: the Economic Crisis of 1973, Roe v. Wade, Watergate, War on Drugs, Aids, Iran-Contra, Cold War, First Gulf War, the Internet, NAFTA, 1994 Crime Bill, Welfare Reform, 2000 Election, Sept. 11, 2001, Iraq War, War on Terror, Great Recession, LGBTQ Rights, Obamacare, Climate Change, 2016 Election. These topics will be studied in the context of how these events affect us today. *This course is NOT a substitute for American History, it is an elective that can be taken by anyone who is interested in contemporary history events.*

AP U.S. Government

Sem/1 credit (12 [Alternative to US Government])

Course numbers: 262

Prerequisite: American History

AP U.S. Government is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in U.S. Government. It is a challenging curriculum that is meant to be the equivalent of a freshman college course and can earn students college credit. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents. The purpose of this course is to acquire a thorough understanding of the system of American government. Also, this course is intended to prepare students for the AP U.S. Government Exam to be taken in the spring. This course may be used to gain college level credits or simply to ensure preparedness for the college experience.

WORLD LANGUAGES

While the study of a foreign language is not required for high school graduation, it is highly recommended.

Foreign language college requirements change frequently, however many colleges require a minimum of 2 years to enroll and 4 years to graduate.

German I

Year/2 credits (9-12)

Course number: 085

Recommendation: C or higher in English

This course provides the basic foundation of language learning in the four areas of listening comprehension, speaking, reading, and writing. Emphasis is placed on communication, and the necessary tools, namely grammar, are provided to help the student learn to use the language. Language is taught through a variety of everyday situations and within a context of the culture of German-speaking countries. Areas of study include: greetings and conversation, interests, time, colors, numbers, family, home, school activities, friends, cultural items, geography, everyday German life, German songs, 300 idiomatic phrases, pronunciation, and grammatical structures.

German II

Year/2 credits (10-11)

Course number: 086

Prerequisite: German I

This course expands students' knowledge of the German language and their understanding of the culture. Great emphasis is placed on communication, and the necessary tools, namely grammar, expanded upon to help the student learn to use the language. A variety of everyday situations let the student practice these new skills. Class work includes grammar drills and practice, listening comprehension exercises, large and small group discussions, and numerous partner activities. Areas of study include: clothing, fashion, making plans, shopping, home, weather, travel, geography of German-speaking countries, cultural items, short stories and beginning literature selections, idiomatic phrases, and grammatical structures.

German III

Year/2 credits (11-12)

Course number: 087

Prerequisite: German II

This course continues the students' knowledge of the German language and their understanding of the culture. Great emphasis is placed on communication, and the necessary tools, namely grammar, expanded upon to help the student learn to use the language. A variety of everyday situations let the student practice these new skills. Class work includes grammar drills and practice, listening comprehension exercises, large and small group discussions, and numerous partner activities. Areas of study include: interests in music and movies, holidays and festivals, health and well-being, geography of German-speaking countries, cultural items, short stories and beginning literature selections, idiomatic phrases, and grammatical structures.

German IV

Year/2 credits (12)

Course number: 088

Prerequisite: German III

The course includes the review of basic written and spoken German grammar and the application of this knowledge through study of the culture of German-speaking countries. The main emphasis of German IV is oral comprehension. Stories and modern day concerns are discussed in the German tongue. The increased usage of the German language is stressed as the year progresses. The possession of a German/English dictionary is highly recommended. The areas of study include: review of five verb tenses; adjective endings; review of four cases; comparison of adjectives and adverbs; relative pronouns and clauses; genitive case, active and passive voice; famous German personalities; student video productions; health and well-being; city and country life; travel; composers and writers; festivals and food; proverbs, short stories, mystery stories; and idiomatic phrases.

German Language and Culture

Year/2 credits (9-12) Prerequisite: Student must be enrolled in German II, or any higher level German course. Must be in high academic standing in current German course. Recommendation of teacher is encouraged.

Course number: 301

This course is conducted almost exclusively in German and students are encouraged to use German exclusively for written and spoken communication in the classroom and on homework assignments. Students who enroll in this course must be prepared to devote considerable time and effort to refining all language-related skills and to significantly increasing their vocabulary.

This course is comprised of six thematic units organized around essential questions and authentic materials. The course aims to integrate all three communicative modes (interpersonal, interpretive and presentational) into each of the six units. The approximate length of each unit is 3-4 weeks. Thematic activities for each day come from a variety of authentic textual, audio, visual and audiovisual sources. Parallel to the thematic units, students will review a series of German grammatical structures with activities from the textbooks

Grades will be based on daily work (participation/discussion, homework, and in-class assignments), as well as formal assessments that check text comprehension and interpretation, vocabulary and structural points. Summative assessments will take the form of quizzes, tests, writing assignments and projects.

Spanish I

Year/2 credits (9-12)

Course number: 081

Recommendation: C average or higher in English

Spanish I is open to any motivated student who is eager to speak, read, write, and understand the language and culture of the Spanish-speaking world. It is designed to be a challenging course and requires daily assignments in order to acquire an acceptable level of language proficiency. Students are expected to study vocabulary daily as well as be ready for frequent quizzes to master spelling. Students will also be expected to actively participate in listening, reading, writing, and speaking activities.

Spanish II

Year/2 credits (10-12)

Course number: 082

Prerequisite: Spanish I

Spanish II may be taken by any student who has successfully completed Spanish I. Students increase their written and oral fluency and continue their study of Hispanic cultures. Emphasis will be on communication and pronunciation while using added tenses and vocabulary. Active participation, completed daily assignments, and frequent studying are expected.

Spanish III

Year/2 credits (11-12)

Course number: 083

Prerequisites: Spanish I and II

Successful completion of both Spanish I and II is required for Spanish III. Emphasis is placed on speaking the language while mastering new vocabulary and verb tenses. The class is conducted primarily in Spanish and the speaking of Spanish will be graded on a daily basis. Students will continue to improve their writing, reading, listening, and speaking while furthering their study of grammar, vocabulary, and culture.

Spanish IV

Year/2 credits (12)

Course number: 084

Prerequisites: Spanish I, II, and III

Successful completion of Spanish I, II, & III is required for Spanish IV. This course contains all of the elements of Spanish III with an increased emphasis on speaking, writing, and becoming more proficient in Spanish. Students will give oral presentations and write original stories and essays while using advanced grammar and vocabulary.

Kirkwood Academies

The following links will provide information on incredible opportunities through Kirkwood Community College. Please know that any class offered through Kirkwood or the University of Iowa that receives a letter grade will be included and part of a student's GPA calculation. There are specific requirements for eligibility that are outlined in the websites. Juniors MUST have a cumulative GPA of 3.25 and/or administrative approval.

<http://www.kirkwood.edu/johnsonacademies>

Clear Creek Amana Online Curriculum

ON-LINE LEARNING AT CLEAR CREEK AMANA COMMUNITY SCHOOL DISTRICT

Clear Creek Amana High School is pleased to offer an exciting online learning experience. The CCA on-line software offers high school courses including Math, Science, English, Social Studies, and World Languages; all are designed to meet graduation requirements.

Students are required report to the designated online learning classroom to complete coursework. All tests and quizzes must be completed in the classroom setting. These courses are offered for credit recovery purposes and in the event there are scheduling conflicts.

- Foundations courses meet the needs of both high school students and transitioning middle school students who are not prepared for grade-level academic challenges. Courses feature structured remediation designed to accelerate mastery of required skills appropriate to grades 3 to 8. Each semester course offers approximately 70–90 hours of interactive direct instruction, guided practice, and integrated formative, summative, and diagnostic assessment.
- Literacy Advantage courses are standards-based general studies courses that meet the needs of students who are not prepared for grade-level academic challenges because they are reading below proficient. Each semester course offers 60–80 hours of interactive direct instruction, guided practice, and integrated formative, summative, and diagnostic assessment.
- Core courses are standards-based general studies courses that meet the needs of a range of students as they endeavor to master rigorous content and earn credits toward high school graduation. Each semester course offers 70–90 hours of interactive direct instruction, guided practice, and integrated formative, summative, and diagnostic assessment.
- Honors courses are standards-based general studies courses that meet the needs of motivated students seeking to accelerate their learning and deepen conceptual understanding. Each semester course offers 90–120 hours of interactive direct instruction, guided practice, and robust enrichment, with integrated formative, summative, and diagnostic assessment.
- AP courses will NOT be offered via the online option.

Students using the E20/20 program will have progress monitored daily. Parents can be added to the student's email alert system, allowing them to see for themselves how the student is progressing.

For additional information, please contact: Mike Potter at (319) 545-2361.

CCA ONLINE CLASS GUIDELINES

Enrollment

- Enrollment in on-line classes will be given the same consideration as PSEO classes. For example, if a similar class is taught at CCA HS, the student is expected to take that class in the classroom setting unless scheduling conflicts exist.
- Students will be allowed to enroll in one on-line block per semester during the school day.
- On-line classes are also available outside of the school day (evenings, weekends, summer).
- On-line quizzes may be completed at home by the student.
- On-line tests and exams must be proctored by a CCA on-line instructor/staff member. s

Fees

- CCA students will be provided access to the first eight (8) hours of on-line instruction during the school calendar year at no cost; however, any class materials (including required textbooks) are the responsibility of the student.
- On-line classes during the summer semester will also include a class fee of \$125.00 per online course.
- A failed on-line class may be repeated one time during the summer session only. All expenses (including a class/materials fee) will be the responsibility of the student.

Class Attendance/Progress

- Students enrolling in an on-line class during the school day are expected to follow the CCA HS attendance guidelines.
- Class progress will be monitored by the online instructor.
- Students will be allowed one semester to complete each on-line class.
- On-line credits to fulfill graduation requirements must be completed 2 weeks prior to the desired graduation date.

Grades/Grading

- All non-recovery classes will be awarded the actual letter grade earned. The grading scale used will be identical to the scale used in the standard grading scale. That grade will be reflected on the official transcript.
- Classes taken for credit recovery will be Pass/Fail. The student must score 70% or higher on all quizzes in order to attain a passing mark. The on-line class that is successfully completed to makeup a failed requirement(s) will be listed on the official transcript with a “P” for passing.
- A failed class in a regular classroom setting will remain on a student’s official transcript.
- **Please note: on-line classes will not replace a failed class in order to make an academically ineligible student eligible for participation in athletic activities.**

Online Course Offerings at Clear Creek Amana

English Courses:

English 9
English 10
English 11
English 12
Literacy and Comprehension I
Literacy and Comprehension II

Intro to Communication and Speech
Creative Writing
Reading Skills and Strategies
Writing Skills and Strategies
Individual Novel Studies
Expository Writing

Math Courses:

Pre-Algebra
Algebra I
Algebra II
Geometry
Pre-Calculus

Mathematical Models and Applications
Financial Math
Integrated Math
Probability and Statistics

Science:

Life Science
Earth Science
Biology
Chemistry
Physics

Environmental Science
Psychology
Anatomy and Physiology

Social Studies:

Geography and World Cultures
U.S. History
World History
World History to the Renaissance
World History Since the Renaissance

U.S. Government and Politics
U.S. and Global Economics
Multi-Cultural Studies
Sociology
Human Geography

Electives:

Psychology
Consumer Skills
Career Planning and Development
Art History
Art Appreciation
Introduction to Art
Music Appreciation
Strategies for Academic Success
Computer Applications: Office 2007

Lifetime Fitness
Healthy Living
Foundations of Personal Wellness
Skills for Health
Spanish I
Spanish II
French I
French II
Financial Living and Planning

Post-Secondary Enrollment Option Act & Senior Year Plus

Students in grades nine and ten who have been identified for CCA's Extended Learning Program may apply to take college course work during the school day, if said course is NOT offered through the high school curriculum. Students in grades eleven and twelve are eligible to take courses under the post secondary enrollment option act as long as they meet the requirements of the Senior Year Plus legislation. This legislation is outlined briefly below. Tuition is paid by the school district. Transportation costs, books, and incidental fees must be paid by the student. Should a student fail or drop a college course after the college's set deadline, the entire tuition cost will then be paid by the student.

The Senior Year Plus legislation was enacted to provide increased access to college credit courses for high school students. These courses provide students the opportunity to take a rigorous college curriculum and receive, in many cases, both high school and college credit concurrently. At Clear Creek Amana High School joint-enrolled courses include:

- Career Academy Courses (with the exception of CTE courses)

- Post-Secondary Enrollment Options Act courses-(PSEO)

State guidelines now require all **students enrolled in Senior Year Plus eligible courses (starting in the fall of 2010) to be proficient in reading, math and science as determined through the Iowa Assessments.

As defined by the state of Iowa a student is deemed proficient if he/she receives a National Percentile Ranking of 41% or higher on each of these tests.

- Reading Comprehension

- Mathematics Concepts and Problem Solving

- Analysis of Science Materials.

If a student attending Clear Creek Amana is not proficient as described above, the student attending Clear Creek Amana High School may meet the requirement by fulfilling one of the following requirements. (NOTE: Students need to meet alternative proficiency requirements in the areas not met by the Iowa Assessment testing.)

A. The student is proficient on the reading, math and science portions of the i-Ready diagnostics from the most recent testing window. Proficiency is defined as . . .

B. The student is proficient on reading math and science portions of the American College Testing test (ACT). Proficiency is defined as a score of 18 or higher on each Individual portion.

C. The student receives a C grade or higher cumulatively in the core areas of Reading-English (Language Arts), Mathematics, and Science.

** Students with an IEP will be subject to an IEP Team Review to determine eligibility under Senior Year Plus

