

# GRANT WOOD AEA COLLEGE FOR KIDS

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**JUNE 12-23 AND JULY 10-21, 2017**

Coe College • Cedar Rapids

[www.gwaea.org/parents/college-kids](http://www.gwaea.org/parents/college-kids)

## SUMMER ENRICHMENT & ART PROGRAMS COURSE CATALOG

We are very proud of our 30 years of serving area gifted and talented middle school students through our summer enrichment and art programs. College for Kids offers students the opportunity to:

- interact with challenging curriculum
- explore new topics
- select from a wide range of classes
- be immersed in courses and topics of personal interest
- interact with others of like ability
- interact with students from other school/community.

*We look forward to sharing our program with you this summer.*

For additional information about College for Kids, contact:

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[www.gwaea.org/parents/college-kids](http://www.gwaea.org/parents/college-kids)



*The mission of Grant Wood AEA is to ensure success for all learners.  
College for Kids is sponsored by Grant Wood AEA.*

Grant Wood Area Education Agency extends equal opportunities in its employment practices, educational programs and services, and does not discriminate on the basis of color, gender, race, national origin, religion, creed, age, sexual orientation, gender identity, marital status, disability, veteran status or as otherwise prohibited by law. If you believe you or your child has been discriminated against or treated unjustly, please contact the Agency's Equity Coordinator, Maria Cashman, at 319-399-6847 or 800-332-8488, Grant Wood AEA, 4401 Sixth St SW, Cedar Rapids, IA 52404.

# Frequently Asked Questions

## WHAT IS COLLEGE FOR KIDS?

Founded in 1987, the College for Kids Summer Enrichment Program is offered to eligible high-ability middle school students who enjoy being academically challenged and who wish to expand on their academic abilities by taking faster-paced, topic-specific courses in the college setting. In 1995, the College for Kids Art Program was added as an option for students gifted in the area of fine arts. Both programs run concurrently.

College for Kids is:

- sponsored by Grant Wood AEA
- held at Coe College in Cedar Rapids
- offers more than 50 courses taught by talented area educators and professionals.
- provides opportunities for inquiry-based learning, independent study, group projects and various other hands-on activities.
- attended by over 900 students each summer, representing schools in the 7-county GWAEA region.

## WHO IS ELIGIBLE TO ATTEND?

Eligible students will have completed 6th, 7th or 8th grade by summer 2017.

- Eligible Enrichment Program students have been identified for/participate in a gifted education program at school, or have scored at the 85th percentile rank or above (national norms) on a standardized achievement test (Iowa Assessment) in one of the following areas: English Language Arts total, science total, math total, or complete composite/core total.
- Eligible Art Program students have demonstrated exemplary fine arts ability or performance, and have demonstrated the ability to work cooperatively in a classroom setting.

## WHEN IS THE PROGRAM HELD?

Dates for the 2017 program are June 12-23 (Session A) and July 10-21 (Session B). Each session is 2 weeks in duration with classes held 8:30-11:50 a.m., Monday through Friday. Students may register for one or both sessions of College for Kids.

An optional early bird class is also available for an additional fee. Early bird classes are held from 7:45-8:20 a.m. daily.

## WHAT DOES THE REGISTRATION FEE INCLUDE?

Tuition per two-week session of College for Kids is \$215/student. Families registering more than one child are offered a discounted tuition of \$200/student.

Tuition includes:

- 3 daily classes (including most class materials)
- program t-shirt
- group photo

## HOW IS THE PROGRAM STRUCTURED?

College for Kids is held at Coe College in Cedar Rapids, offering students college-level classrooms, science labs and amenities.

Courses are offered in the areas of STEM (science, technology, engineering and math), history, fine arts, social sciences, communication, world languages, and more.

During a 10-day session, students attend 3 classes each day. Classes are one-hour in length, and are held in multiple buildings across campus.

The campus is supervised by the College for Kids staff and instructors, as well as the Coe Security Staff. Daily class times are 8:30-9:30 a.m., 9:40-10:40 a.m., and 10:50-11:50 a.m.

The average class size is between 10 and 15 students. Approximately 500 students attend College for Kids each session.

# To Register

Complete the online registration form here: [www.gwaea.org/parents/college-kids](http://www.gwaea.org/parents/college-kids)

## HOW TO PICK YOUR CLASSES:

Prior to completing the online registration form, it is recommended that you review the course catalog thoroughly, making note of your preferred courses. Students nominated for the “Enrichment” program may select from ALL courses in the catalog. Students nominated for the “Art” program may select from the designated art classes only. Select at least 6-8 courses that you would be interested in taking. Once on the registration site, indicate your preferred courses in Section 3, listing your courses in preference order. Note: classes will fill quickly.

## PROGRAM DATES AND FEES:

DATES	HOURS	TUITION PER SESSION
June 12-23 (Session A)	8:30-11:50 a.m.	\$215 per student*
July 10-21 (Session B)	8:30-11:50 a.m.	\$215 per student*

\* \$200 tuition per student for families registering more than one child

## EARLY BIRD CLASSES

7:45 am – 8:20 am • Limited spaces available! • \$35/student

Extend your College for Kids experience by signing up for an “Early Bird” class! Students signing up for Early Bird will attend a total of four classes each day. Spaces are limited so act quickly! As they say, “the early bird gets the worm!”

## HOW TO MAKE PAYMENT:

Tuition for College for Kids may be paid online via credit card, or by check or money order. All tuition and fees must be paid in full by May 15, 2017, to secure course placement. If you need financial assistance, please contact Susie Green at [sgreen@gwaea.org](mailto:sgreen@gwaea.org). Scholarship support is limited.

## REFUND/CANCELLATION POLICY:

Registrations and materials fees are refundable through May 15, 2017. A \$10 administrative fee will be retained. Cancellations must be requested in writing and sent by US Mail or via email. Cancellations received after May 15 will not be eligible for a refund, unless: 1) it is necessitated by an emergency situation, or 2) the space can be filled with a “waiting list” candidate. Students removed from the College for Kids program for violation of student safety and behavior expectations will not receive a refund.



*All registered students will receive a complimentary College for Kids t-shirt.*

# Courses at a Glance

## **JUNE 12 - JUNE 23, 2017**

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- Animation
- Anime and the Culture of Japan
- Arabic
- Archaeology of Iowa
- Architectural Design
- Astronomy
- Basket Case
- Be Weave It - Navajo and Pueblo Weaving
- Black and White Film Photography
- Calligraphy
- Chemistry Counts
- Civil Rights: Then and Now
- Clay Techniques
- Claymation - Stop Motion Animation
- Come Make an App with Me
- Debate 101
- Decorative Papers and Handmade Books
- Digital Publications Photography
- Discovering Geometry
- Dissection
- Engineering Structures with K'Nex
- Exploring Climate Change: Impacts and Solutions
- Field Biology
- Forensic Science
- French - Language and Culture
- Genetics
- Graphic Design
- Hamilton - Who Lives, Who Dies, Who Tells Your Story
- Historical Clay
- Improvisation
- Intro to German
- Introductory Algebra
- It's a Wet World - The Science of Water
- Japanese
- JavaScript Web Programming
- Keep Calm
- Kung Fu & the Art of Self Defense
- Make Your Own Website
- Masks and Meaning of Many Cultures
- Math Power
- Middle Eastern Studies
- Mock Trial
- Music Theory & American Music History
- Mythology
- Pastel Chalk & Charcoal
- Photoshop Imaging & Editing
- Physics
- Problem Solving Strategies in Math
- Prove It
- Python Programming
- S.P.E.E.C.H.
- Sherlock Holmes: Lateral Thinking Skills Through Literature
- Show Choir
- Sing! Act! Dance!
- Smash! - Creative Writing Meets Art
- Sociology: Training to be a Culture Spy
- Spanish - Language & Culture of Hispanic Countries
- Ta Dye For: Japanese Hand Dyeing Technique
- Talking with a Viking
- The Art of Negotiations
- The Portrait in Pencil
- The Science of Food
- Unmanned Aircraft Systems (Drones)
- Veni, Vidi, Vici! Latin
- Virtual 3-D Creations
- Watercolor Painting FUNdamentals
- Yoga - Using Ancient Practice to Survive Modern Times
- Early Bird - Advanced Graphic Design
- Early Bird - Adventures in Knitting
- Early Bird - Altered Books
- Early Bird - Animation
- Early Bird - Arabic
- Early Bird - Astronomy
- Early Bird - Discovering Geometry
- Early Bird - Kung Fu & the Art of Self Defense
- Early Bird - Math Contests Practice
- Early Bird - Microscopy
- Early Bird - Papercraft
- Early Bird - Poetry Slam
- Early Bird - The Wild at Hand
- Early Bird - Veni, Vidi, Vici! Latin
- Early Bird - Yoga

# Courses at a Glance

## **JULY 10 - JULY 21, 2017**

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- Ancient China - Path to the First Emperor
- Animation
- Arabic
- Architectural Design
- Astronomy
- Basket Case
- Be Weave It - Navajo and Pueblo Weaving
- Black and White Film Photography
- Chemistry Counts
- Civil Rights: Then and Now
- Clay Techniques
- Claymation - Stop Motion Animation
- Come Make an App with Me
- Decorative Papers and Handmade Books
- Digital Publications Photography
- Discovering Geometry
- Dissection
- Engineering Structures with K'Nex
- Exploring Biotechnology
- Exploring Climate Change: Impacts and Solutions
- Field Biology
- Forensic Science
- French - Language and Culture
- Graphic Design
- Hamilton - Who Lives, Who Dies, Who Tells Your Story
- Historical Clay
- Improvisation
- Intro to Dance
- Introductory Algebra
- It's a Wet World - The Science of Water
- JavaScript Web Programming
- Kinesiology - The Science of Movement
- Kung Fu & the Art of Self Defense
- Make Your Own Website
- Masks and Meaning of Many Cultures
- Middle Eastern Studies
- Mock Trial
- Music Theory & American Music History
- Mythology
- Pastel Chalk & Charcoal
- Photoshop Imaging & Editing
- Physics
- Problem Solving Strategies in Math
- Prove It
- Python Programming
- S.P.E.E.C.H.
- Sherlock Holmes: Lateral Thinking Skills Through Literature
- Show Choir
- Sing! Act! Dance!
- Smash! - Creative Writing Meets Art
- Spanish - Language & Culture of Hispanic Countries
- Ta Dye For: Japanese Hand Dyeing Technique
- The Art of Negotiations
- The Great War (WWI)
- The Portrait in Pencil
- The Rise and Fall of Great Empires
- The Science of Food
- Unmanned Aircraft Systems (Drones)
- Virtual 3-D Creations
- Watercolor Painting FUNdamentals
- Wild World of Sculpture
- World Religions
- Yoga - Using Ancient Practice to Survive Modern Times
- Early Bird - Advanced Graphic Design
- Early Bird - Adventures in Knitting
- Early Bird - Altered Books
- Early Bird - Animation
- Early Bird - Arabic
- Early Bird - Astronomy
- Early Bird - Discovering Geometry
- Early Bird - Intro to Dance
- Early Bird - Kung Fu & the Art of Self Defense
- Early Bird - Math Contests Practice
- Early Bird - Microscopy
- Early Bird - Papercraft
- Early Bird - Poetry Slam
- Early Bird - Wild World of Sculpture
- Early Bird - World Religions
- Early Bird - Yoga

# Courses

 = course included  
in Art Program

## **Advanced Graphic Design**

June CK1847EB

July CK5847EB

Early bird only

Take your graphic design skills to the next level while exploring the field of visual communication. This is a hands-on class, designed to build on your previous knowledge and experience with Adobe Photoshop and Illustrator software. Reach a higher level of visual literacy by learning advanced techniques for image manipulation. Expect professional-grade results as you delve deeper into 2D and 3D design techniques.

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## **Adventures in Knitting**

June CK1859EB

July CK5859EB

Early bird only

We will begin by exploring knitting basics and venture into ways to create abstract large scale sculptures and installations. Get ready to mix things up while we knit with our arms and crochet with our fingers!

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## **Altered Books**

June CK1852EB

July CK5852EB

Early bird only

Recycle old books into works of art! Draw, paint, cut, paste, and fold pages into original 3-D artworks. Tap into the theme of the book and use it as inspiration for elaboration. How can you illustrate the ideas by adding new images and words? Share your altered books in our end of class show!

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## **Ancient China - Path to the First Emperor**

June not offered

July CK5326

Early bird not offered

This course will focus on early Chinese history through the end of the Warring States period. Students will engage in the history of China through a variety of sources and activities including a game in which they will take on the role of Dukes vying for control of the land that would become China. Who will take the title of First Emperor? Only skill, diplomacy and luck will tell.

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## **Animation**

June CK1843 and CK1843EB

July CK5843 and CK5843EB

Offered as Early Bird and regular schedule course

Do you enjoy cartoons, Anime and Manga? Create your own three-dimensional character while simultaneously improving your drawing and sculpting skills. Explore ways to animate your character by creating the illusion of actual motion with paper.

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# Courses

 = course included  
in Art Program

## **Anime and the Culture of Japan**

June CK1609  
July not offered  
Early bird not offered

A great class for artists and writers! This class will cover the history and culture of anime, its impact on the history of Japan, and the basics of the Japanese language and customs. Through the knowledge you gain, you will work with a group of students, known as an “anime house”, to develop an anime series proposal - complete with character sketches, story lines, and character profiles to be presented to the class at the end of our two weeks.

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## **Arabic**

June CK1601 and 1601EB  
July CK5601 and CK5601EB  
Offered as Early Bird and regular schedule course

Take a journey to unveil the mysteries of the Arab world. This course will introduce students to a language and a culture that is much richer than what is seen through the lens of the media. Learn to read from right to left and challenge your vocal cords, as you learn how to pronounce the Arabic alphabet and learn to converse with basic Arabic. \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## **Archaeology of Iowa**

June CK1308  
July not offered  
Early bird not offered

Ever wonder how archaeologists know where to dig and how they figure out what rocks and bones can tell us about how people lived? Archaeologists are scientific detectives! In this class we will learn to think like archaeologists and other scientists. We will gather clues and piece them together to find out how people lived in the past. We will also try some experimental archaeology, examining and using real and replica artifacts from prehistoric Native Americans. During the second week of class we will walk through the past using hand-on activities to study the changing life styles of Native Americans in Iowa from the ice ages to contact with the first Europeans. \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## **Architectural Design**

June CK1801  
July CK5801  
Early bird not offered

Architects command an important role in building today's world. Do you want to develop your ability to design? Bring your ideas to life! Create an architectural drawing of a kitchen and propose your design to a potential client. After all, everyone knows it is the kitchen that sells the house!

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## **Astronomy**

June CK1103 and CK1103EB  
July CK5103 and CK5103EB  
Offered as Early Bird and regular schedule course

Study the solar system, stars, black holes, constellations, galaxies, and universe. Learn to use a telescope and crawl into a portable planetarium to learn about constellations and diurnal motion of the sky!

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# Courses

 = course included  
in Art Program

## **Basket Case**

June CK1817

July CK5817

Early bird not offered

Become a basket weaver! Learn basic basket weaving techniques, as you design a large beautiful basket! Bring your own embellishment to make this basket totally one of a kind and too awesome to pass up! Then transfer your weaving techniques to design your own flat reed baskets. Many colors of reed and different styles of handles will be available to accent your pieces.

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## **Be Weave It - A Common Thread with Navajo & Pueblo Weaving**

June CK1839

July CK5839

Early bird not offered

Explore the spirit world of the Navajo and Pueblo culture through their weaving. According to legend, Spider Woman gave them the knowledge of weaving and how to create gifts of life from their looms. Even though Navajo and Pueblo cultures evolved along different paths there remains a common thread. You will be taught how to warp your loom using one continuous thread indicative of Native American weaving. Select your weaving project based upon your perceptions of both cultures and their appeal to you. Symbolism and balance are an integral part of Native American weaving. Allow this course to deepen your thirst for knowledge along with balance and harmony.

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## **Black and White Film Photography**

June CK1812

July CK5812

Early bird not offered

The pursuit of excellence is forefront in The Art of Black & White Film Photography. Designed for beginner or experienced students, this sampler course will utilize the tools of traditional silver-based black & white film and printmaking to experience being a “fine art” photographer. Students will work independently as well as in mentored situations. Students are placed in position to create gallery-worthy photographs. Participants will shoot three rolls of B/W film, and will have opportunity to learn camera controls and photography history, and visualization terms and techniques. There is a final day critique and awards ceremony. Participants will print, mat and exhibit individual B/W prints sized 5x7, 8x10, and 11x14 and create a photo series. The course includes three on-location photo outings on and near the Coe campus (plus independent photography), four printmaking days, and study photos of legendary Ansel Adams and Pulitzer Prize photographer Stanley Foreman. Participants will keep their own negatives, mats and prints. **PARTICIPANTS MUST PROVIDE THEIR OWN WORKING 35mm FILM CAMERA. 35mm FILM CAMERAS ARE ALSO AVAILABLE FOR RENT. For more information, please contact Bob Campagna, 319-560-6889 or [abbecreek@aol.com](mailto:abbecreek@aol.com). Lab and Materials Fee: \$55.\*\* Optional Film Camera rental fee: \$10. Suggestion: no last minute rentals, please give at least a week’s warning if you need a camera!**

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# Courses

 = course included  
in Art Program

## **Calligraphy**

June CK1804  
July not offered  
Early bird not offered

Learn the ABC's of Calligraphy with a professional calligrapher! Students will learn the evolution and history of writing and italic letterform style, which is the main focus of this class - a popular choice for College for Kids students for 20+ years. Using a broad edge pen, students will learn the italic alphabet stroke by stroke. Projects will include greeting card designs, certificate design, decorative borders, and envelope art.

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## **Chemistry Counts**

June CK1104  
July CK5104  
Early bird not offered

Chemical reactions can be interesting and dramatic. Learn about chemistry including a historical perspective and glimpse into the future of the field. What careers require a working knowledge of chemistry and what do they do on a daily basis? Labs will be done to support the topics studied and students will be challenged to figure out how things work and why they work! \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## **Civil Rights: Then and Now**

June CK1322  
July CK5322  
Early bird not offered

Explore the key figures and events of the civil rights movement as African Americans, women, Latinos, and other groups sought to achieve political and social equality in an increasingly diverse America. Additionally, connect strategies and events from the past with important issues from today as the march toward equality continues.

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## **Clay Techniques**

June CK1807  
July CK5807  
Early bird not offered

Explore the world of hand building with clay! Students interested in clay design will work with an artist in the Coe College ceramics lab. This course will involve history, planning and discussion mixed in with the technical aspects of creating ceramic artwork. Each project will build upon the former projects so be ready for a challenge.

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## **Claymation - Stop Motion Animation**

June CK1848  
July CK5848  
Early bird not offered

Create a Claymation video. Students will learn the history of Claymation, create characters, learn how to storyboard and shoot/edit the video using iPad stop motion animation software.

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# Courses

 = course included  
in Art Program

## **Come Make an App with Me**

June CK1410  
July CK5410  
Early bird not offered

Want to make your own App? Come learn how to code with me. You will have a functioning app at the end of your session to share!

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## **Debate 101**

June CK1302  
July not offered  
Early bird not offered

Learn how to defend your position on controversial issues with reason and logic, and poke holes in your opponent's reasoning. Students will create arguments on a variety of topics in informal and more formal debate, and develop life skills in listening, communicating ideas, questioning others, and seeing other points of view.

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## **Decorative Papers and Handmade Books**

June CK1806  
July CK5806  
Early bird not offered

Learn many creative ways to produce decorative papers and a variety of hand-bound books. Professional marbling pigments, inks, paints and drawing materials will be used. Final projects will incorporate unique decorative designs in the creation of books, journals and ledgers.

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## **Digital Publications Photography**

June CK1833  
July CK5833  
Early bird not offered

Digital photography and publication design are combined in this class. Photographic, design, editing and publishing concepts will be taught utilizing InDesign. Opportunity is provided to create poster collage and individual prints. Integration of image with text is required in this course. Selected productions may be custom matted. Participants will have opportunity to learn visualization terms, technical applications of design, and digital camera controls. Participants will have photo walks on and near Coe and photograph independently. A final day critique, exhibit and awards ceremony are held. The materials fee includes the printing of works as well as selected exhibit prints with accompanying mats. Students will study works of other photographers and designers.

**PARTICIPANTS MUST PROVIDE THEIR OWN DIGITAL CAMERA and FLASH DRIVE. For more information, please contact Bob Campagna, 319-560-6889 or [Abbecreek@aol.com](mailto:Abbecreek@aol.com). Materials Fee: \$35.\*\***

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## **Discovering Geometry**

June CK1207 and CK1207EB  
July CK5207 and CK5207EB  
Offered as Early Bird and regular schedule course

Join us in an investigation of geometry! Discover the geometry that makes kaleidoscopes beautiful, and put it into practice. And what about lines and circles? Discover what happens when you take the ideas of lines and circles and put them on a map of city streets, in what we call "taxicab geometry".

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# Courses

 = course included  
in Art Program

## **Dissection**

June CK1105  
July CK5105  
Early bird not offered

Explore the world of the insides, including animal organs, systems, and the functions of each. Compare preserved specimens to live specimens. This class is for individuals who can handle a hands-on learning environment where you dive into the insides! (Anticipated specimens for 2017: fetal pig, perch, earthworm, bullfrog, and available live/fresh specimens.)

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## **Engineering Structures with K'Nex**

June CK1136  
July CK5136  
Early bird not offered

Engineers build the pathways to our future. Simple machines are tools we use everyday to make our lives easier. Let's combine the two with K'Nex and learn how to build structures to accomplish goals and challenges!

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## **Exploring Biotechnology**

June not offered  
July CK5134  
Early bird not offered

Ready, set, GLOW! Investigate the amazing world of biotechnology! Using hands-on labs and activities, study DNA, make microorganisms glow, and discover real-world applications of genetically modified organisms. Consider how these organisms should be used, or not used, by humans.

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## **Exploring Climate Change: Impacts and Solutions**

June CK1137  
July CK5137  
Early bird not offered

Do you want to learn more about one of the most pressing global issues of the 21st century? Engage in scientific concepts related to climate change through hands-on critical thinking activities. Explore a topic in greater detail and investigate potential solutions through a problem-based learning activity.

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## **Field Biology**

June CK1122  
July CK5122  
Early bird not offered

This course is a unique opportunity to investigate nearby Indian Creek in Cedar Rapids/Marion as field biologists. We will travel from Coe by bus most days to collect a wide variety of data at various locations on Indian Creek. Data collected will include water quality testing, identification of aquatic species, population of aquatic species found, depth of various pools, and levels of siltation. **Please dress to be outside. Water shoes will be beneficial.**

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# Courses

 = course included  
in Art Program

## **Forensic Science**

June CK1121  
July CK5121  
Early bird not offered

Learn the hands-on techniques that a forensic scientist would use at a crime scene or in the laboratory. Using these tools and techniques, critically investigate a mock crime scene on campus to determine the cause of the incident. These theories and methods can be expanded upon and help explain scientific thoughts in other classes throughout your academic career.

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## **French - Language and Culture of France and Francophone Countries**

June CK1603  
July CK5603  
Early bird not offered

“Vive la différence!” Learn basic French vocabulary including greetings, numbers, food, weather, family and pets. Share real life information, do skits with classmates and learn familiar songs! Students will also research one of the 50 francophone countries or part of countries and present to the class. \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## **Genetics**

June CK1107  
July not offered  
Early bird not offered

Explore the basics of human genetics by learning and discovering about cells, chromosomes, DNA, inheritance of traits, and genetic engineering.

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## **Graphic Design**

June CK1403  
July CK5403  
Early bird not offered

This hands-on class is an opportunity to get creative with Photoshop and Illustrator software. Enhance your visual literacy by learning how to manipulate images and get professional results. Experience 2D and 3D design techniques and get a taste of what the career of a graphic designer is like!

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## **Hamilton - Who Lives, Who Dies, Who Tells Your Story**

June CK1324  
July CK5324  
Early bird not offered

How would you want the world to learn YOUR story? In the Broadway hit musical, “Hamilton,” history and hip hop combine to tell the gripping and tragic tale of one of America’s most influential founding fathers. Learn what inspired the writer, Lin Manuel Miranda, to write about Hamilton in his own unique way while using your creativity to develop a musical scene or piece of art about a personal life experience or that of an historical figure in whom you are interested.

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# Courses

 = course included  
in Art Program

## **Historical Clay**

June CK1858  
July CK5858  
Early bird not offered

Get ready to explore the history of clay. Don't worry, you will still get your hands dirty building some of history's most fascinating objects with the same hand building techniques used to create the originals (and some of your own imagination).

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## **Improvisation**

June CK1850  
July CK5850  
Early bird not offered

And...action! Experience the power of play through acting and improvisation exercise. Use various exercises that encourage trust, communication, agreement, active listening, and character. And...scene!

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## **Intro to Dance**

June not offered  
July CK5857 and CK5857EB  
Offered as early bird and regular schedule courses.

Get ready to dance! Ballet, jazz, hip-hop, and contemporary -- we will learn and do it all during C4K! No experience necessary, but come dressed comfortably and ready to move!

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## **Intro to German**

June CK1604  
July not offered  
Early bird not offered

This course is a fun introduction to the German language and culture. Most of the class time is spent working on introductory conversational skills and includes the following topics: pronunciation and spelling, introductions, family, numbers, telling time, colors, body parts, clothing, meals, and facts about German speaking countries. One day will include participating in a multicultural food tasting festival with students from other World Language courses. Most of the classes are conducted in German and allow the students to learn vocabulary in a natural and fun way through conversation and games. \*\*\*Food Allergy Alert\*\*\* (food is a part of this class. Please indicate if your child has a food allergy on the registration)

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## **Introductory Algebra**

June CK1201  
July CK5201  
Early bird not offered

Join us for an introduction to algebra. We will review the order of operations, positive and negative number operations, number properties, inverse operations and transformations. Learn to solve basic equations. Graphing equations will reinforce the algebra-geometry relationship.

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# Courses

 = course included  
in Art Program

## ***It's a Wet World - The Science of Water***

June CK1135

July CK5135

Early bird not offered

Students will explore the wet world around us in this hands-on science class. Through various labs and experiments, learn the biology and chemical make-up of water, as well as the structure and function. Students also learn about possible fields of study in college on water quality studies and environmental science. Why can we drink, swim in and even grow popcorn in this liquid? Let's jump in with both feet and find out!

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## ***Japanese***

June CK1606

July not offered

Early bird not offered

Japanese is an extraordinary language that is artistic, challenging, and melodic. You will learn basic phrases, how to introduce yourself, numbers, colors, and gain an introduction to the three scripts. Culture is an important aspect to Japan, and you'll also learn origami, watch anime, and learn honorable customs. \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## ***JavaScript Web Programming***

June CK1411

July CK5411

Early bird not offered

Advanced web programming for students with previous experience in programming.

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## ***Keep Calm***

June CK1507

July not offered

Early bird not offered

Do you wonder why some people seem so cool, calm and collected, while others appear to be coming apart at the seams? Learn to combat the effects of stress with complementary therapies using dance, music, creative visualization, and essential oils. Using Health Psychology research, we will try out new complementary therapies to develop tools so you know what to do when you need to keep calm and find balance.

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## ***Kinesiology - The Science of Movement***

June not offered

July CK5841

Early bird not offered

You are moving ALL of the time. How does your body do that? This is the place to find out! Discover the anatomy, physiology, and kinesiology of your body. Be prepared to spend time in and out of the classroom learning and exploring various activities and sports! Let's get moving!

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# Courses

 = course included  
in Art Program

## ***Kung Fu & the Art of Self Defense (Using the Ancient Practice of Tai Chi)***

June CK1503 and CK1503EB

July CK5503 and CK5503EB

Offered as early bird and regular schedule courses.

Fans of “Kung Fu Panda”...come and learn the lessons that Po teaches in the movie. Behind the graceful movements of Tai Chi Chuan is a hidden world of Kung Fu Martial Arts. Explore the history, and health benefits of the national exercise of China. Learn martial art postures and the Eastern concepts of Taoism, balance, harmony and self-discipline. Discover the power of your mysterious internal energy (chi). As a practitioner of Tai Chi you will learn that behind the gentle movements is an art of self-defense. Discover the peaceful warrior within you.

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## ***Make Your Own Website***

June CK1405

July CK5405

Early bird not offered

We'll take a peek behind a web page, then figure out what it's made of, play all the roles from writer to creative director to designer, and build a 4-page web site from scratch. It's much easier than it looks! Learn how text, images and colors are used on the web, then build your own website and see it on the internet!

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## ***Masks and Meaning of Many Cultures***

June CK1855

July CK5855

Early bird not offered

This class will highlight the design and function of masks in a variety of cultures throughout time. Students will explore issues of identity through experiences in a wide range of materials, techniques and processes as they create masks of meaning for themselves.

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## ***Math Contests Practice***

June CK1209EB

July CK5209EB

Early bird only

The more you practice, the better you become! In this class you will learn how to solve problems encountered in math contests by using actual problems from past contests. This is a great way to increase your understanding of mathematics!

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## ***Math Power***

June CK1204

July not offered

Early bird not offered

Is it in you? Is Math one of your favorite subjects? Have you ever been frustrated because you really wanted to know WHY, not just HOW math works? This course will provide you with an opportunity to test and stretch your mathematical skills and understandings. We will do math competition problems, logic puzzles and riddles and discuss various topics from a wide range of mathematical fields-algebra, topology, number theory, probability, trigonometry and beyond. The emphasis will be on understanding new mathematical concepts and solving problems. Most topics go beyond middle and high school curriculum but can be understood by interested middle school students.

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# Courses

 = course included  
in Art Program

## **Microscopy**

June CK1108EB  
July CK5108EB  
Early bird only

Using powerful professional grade microscopes, you will experience the thrill of discovering the world of the very tiny. Discover the living things that grow on your food. Observe the microorganisms that are found in lakes, rivers, and ponds. Look at and study your own cells and the cells of other living things.

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## **Middle Eastern Studies**

June CK1610  
July CK5610  
Early Bird not offered

Want to travel to one of the most ancient and misunderstood regions of the world? Dive in deep to understand the history, culture, politics, and current events of this part of the world and human civilization engulfed in turmoil and return enlightened? Join us for this memorable and cultural adventure to widen your understanding of the people and world around you!

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## **Mock Trial**

June CK1303  
July CK5303  
Early bird not offered

Get a handle on our legal system! In this mock trial simulation, you will become an attorney or witness and argue your side of a case. What arguments will you present? Will the defendant be found guilty or innocent? Your performance will help determine the verdict!

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## **Music Theory and American Music History**

June CK1854  
July CK5854  
Early bird not offered

This class will dive in to the history of American music starting with the Civil War through the 1960's - along the way we will be learning basics of music theory and composing our own music.

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## **Mythology**

June CK1703  
July CK5703  
Early bird not offered

Discover the interrelated world of mythology and how it effects the world today. Have you read Rick Riordan's, or other books and are interested, but maybe somewhat confused about all the gods and goddess from Greek, Roman and Egyptian mythology? Explore and learn about mythology from many cultures.

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## **Papercraft**

June CK1853EB  
July CK5853EB  
Early bird only

Discover how contemporary artists are re-presenting traditional and multicultural practices in paper manipulation to create expressive and innovative new works of art. Students will explore such techniques as cutting, piercing, folding, weaving quilling and collage.

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# Courses

 = course included  
in Art Program

## **Pastel Chalk and Charcoal**

June CK1811

July CK5811

Early bird not offered

Explore the art materials of pastel, chalk and charcoal! Learn to draw using these really messy, but fabulously fun media. In this class we will spend as much time out of the classroom, as in, capturing the unique qualities of the summer sun and the effects on the beautiful flowers and plant life in Coe College's gardens. Students will also have the opportunity to improve their drawing skills and powers of direct observation, while sketching still life arrangements in the studio. Emphasis will be on capturing light and color while drawing with these diverse media. So don't be afraid to roll up your sleeves, get messy, and join in the fun of this challenging, but rewarding drawing class!

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## **Photoshop Imaging & Editing**

June CK1402

July CK5402

Early bird not offered

Enter the world of computer-enhanced imagery with Photoshop. Using the preferred software of design professionals, you can open amazing possibilities for new ideas to take shape. Learn to enhance, distort, and manipulate images for creative effects and visually stunning results.

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## **Physics**

June CK1123

July CK5123

Early bird not offered

Physics is all around us every day. Find out what makes objects move by learning the secrets of speed, momentum, force and energy. This hands-on course will involve the use of common objects and toys to analyze physics phenomenon. Students will have opportunities to design and build devices to solve given problems.

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## **Poetry Slam**

June CK1721EB

July CK5721EB

Early bird only

Do you love poetry of all kinds.....silly, serious, emotional, gripping etc.? If so, this fun writing course is for you.

We will write and share all kinds of poetry! Our classes will conclude with an incredible POETRY SLAM with you as the stars!

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## **Problem Solving Strategies in Math**

June CK1202

July CK5202

Early bird not offered

In this class we will identify and practice a variety of problem solving strategies in math. Most of the topics we cover are not in the regular text books. These strategies are great tools for the student in the classroom. This class will provide students with techniques to solve problems instead of just "being stuck".

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# Courses

 = course included  
in Art Program

## ***Prove It***

June CK1208  
July CK5208  
Early bird not offered

Students planning on taking advanced geometry as freshman will benefit from this introduction to geometric proof. Using geometer's sketchpad software and logic games, students will preview the major concepts leading up to advanced proofs. By the end of the course students will begin to apply their skills in proving classic theorems.

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## ***Python Programming***

June CK1409  
July CK5409  
Early bird not offered

Create a text based game in Python. Python is a great language for starting to learn text-based programming, but it is also a very powerful language. Apply fundamental programming concepts such as variables, loops, branches, and functions.

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## ***S.P.E.E.C.H.***

June CK1315  
July CK5315  
Early bird not offered

SPEECH "Speaking, Performing, Expression, Extemporaneous, Communication, Humor" will launch your journey into the world of performing arts. We will explore various types of speech, including: group speech and individual speech, scripted and improvised acting, drama and comedy writing and scripts, speaking and listening. Be ready to get up and move every day!

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## ***Sherlock Holmes or Lateral Thinking Skills Through Literature***

June CK1708  
July CK5708  
Early bird not offered

Murder, theft and mystery explored through Doyle's wonderful Sherlock Holmes Adventures! Explore the Victorian Era and the influences on the Great Detective. Each day will include a "test" to challenge listening and decision making skills. Hands on challenges will leave students frustrated and smiling! It's elementary, my dear Watson!

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## ***Show Choir***

June CK1830  
July CK5830  
Early bird not offered

Sing! Dance! Do them both at the same time in Show Choir! Have fun with other students who would like to learn some basics of show choir. Together we will learn to sing and dance an entire show and perform it on the last day.

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# Courses

 = course included  
in Art Program

## **Sing! Act! Dance!**

June CK1831

July CK5831

Early bird not offered

Lights! Camera! Action! Well, maybe not the camera, but plenty of FUN in learning stage presence, voice projection and some simple stage choreography. We will experience all this through the musical "Mulan", based on a true story of a girl who saved China with her bravery! Now on with the show!

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## **Smash! Creative Writing Meets Art**

June CK1720

July CK5720

Early bird not offered

"Smash books" are the latest in modern journaling, and combine creative writing with artistic embellishments and memorable paraphernalia, such as ticket stubs from a special event, or a photo from a magazine that triggers a memory. Using a variety of markers, gel pens, colored pencils, paint or other artistic tools, students will begin creating the ultimate personal journal. The class will not feel like a "traditional" class, but more like a comfortable art/writing studio where writers can take risks, share with others, and discover more about themselves.

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## **Sociology: Training to be a Culture Spy**

June CK1611

July not offered

Early bird not offered

Become a culture spy through sociology, the study of social behavior. In this course you will learn about sociology, investigate "foreign" cultures, and begin to understand the secrets of our everyday lives.

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## **Spanish - Language and Culture of Hispanic Countries**

June CK1605

July CK5605

Early bird not offered

Hola! Travel into the Hispanic culture. Learn basic vocabulary including greetings, numbers, food, weather, family and pets. Have conversations in Spanish with your classmates. Learn familiar songs (a great way to learn a language!) and have fun! Ready to travel? Vámonos! \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## **Ta "Dye" For - Shibori - A Japanese Hand Dyeing Technique**

June CK1837

July CK5837

Early bird not offered

Create fascinating, one of a kind elemental designs for your hand-dyed projects. Shibori is a Japanese method of dyeing cloth which dates back to the 8th century, and can be described as an intricate form of tie-dye. As a dyer, you are instructed on how to work in unison with the material, never in an effort to overcome limitations, but to allow full expression, and did I mention it can get messy?

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# Courses

 = course included  
in Art Program

## **Talking with a Viking**

June CK1612

July not offered

Early bird not offered

Ancient Norse society and modern Norwegian language class.

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## **The Art of Negotiations**

June CK1327

July CK5327

Early bird not offered

Although people often think of boardrooms, suits, and million dollar deals when they hear the word “negotiation,” the truth is that we negotiate all the time. For example, have you ever - Decided where to eat with a group of friends? - Decided on chore assignments with your family? - Asked your boss for a raise? These are all situations that involve negotiating! This course will give participants an understanding of the phases of negotiation, tools to use during a negotiation, and ways to build win-win solutions for all those involved.

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## **The Great War (WWI)**

June not offered

July CK5323

Early bird not offered

What caused the lights to go out all over Europe? Discover how one conflict between a tiny country and an enormous empire brought an entire globe to war, causing the nineteenth and twentieth centuries to “part ways forever.” Finally, learn how that global nightmare set the stage for another one just 20 years later.

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## **The Portrait in Pencil**

June CK1813

July CK5813

Early bird not offered

Amaze yourself with newly found skills in portraiture. This course teaches all students how to “see” better, which is the key to drawing and general understanding of the physical and visual world around them. Through close observation of the human head, and getting rid of the engrained stereotyped ideas, students will see an amazing transformation in their drawing ability through work with the front view, profile and 3/4 view portraits.

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## **The Rise and Fall of Great Empires**

June not offered

July CK5320

Early bird not offered

Why do some empires flourish while others fizzle? In this project-based course students will investigate the rise and fall of notable empires such as the Egyptians, Aztecs, Romans and more.

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# Courses

 = course included  
in Art Program

## ***The Science of Food***

June CK1131  
July CK5131  
Early bird not offered

Food is critical to our survival, but have you ever considered the chemistry that goes into the production of food? This course incorporates biological sciences, chemical sciences and engineering in examining the nature of foods and the beliefs of food processing. \*\*\*Food Allergy Alert\*\*\* (Food is potentially part of this class. Please indicate if your child has a food allergy on the registration.)

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## ***The Wild at Hand***

June CK1512EB  
July not offered  
Early bird only

Let's look for birds and special trees on the Coe College campus and read poems and essays about nature that inspire. Wildlife is all around, we just need to look. Let's explore together.

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## ***Unmanned Aircraft Systems (Drones)***

June CK1508  
July CK5508  
Early bird not offered

Remotely Piloted Aircraft Systems are making big news as one of the fastest growing industries for civil and commercial applications, and for hobby flyers. This course explores how they function and how they are safely, legally, and benevolently used. Also, you will research the many careers related to drones and the many different types of models available from toys to military systems, get the opportunity to pilot one.

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## ***Veni, Vidi, Vici! Latin***

June CK1607 and 1607EB  
July not offered  
Offered as Early Bird and regular schedule course

I came, I saw, I conquered—Julius Caesar's famous statement about his creation of the Roman empire is one example of Latin phrases that have become part of our language and our culture. This course will introduce the structure of Latin, vocabulary as well as other famous phrases that will, ipso facto, separate you from the hoi polloi. Students will translate sentences from Latin to English and vice versa. Reading Green Eggs and Ham in Latin and a famous phrases t-shirt will capstone this course.

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## ***Virtual 3-D Creations***

June CK1406  
July CK5406  
Early bird not offered

Design, animate, engineer, and texture your three dimensional creations in this hands-on, student-centered class. Students will be guiding their own learning using different applications including Blender, Sketch-up, and Tinkercad. This class accepts all different levels of experience since we set our own pace of learning.

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# Courses

 = course included  
in Art Program

## **Watercolor Painting *FUN*amentals**

June CK1816  
July CK5816  
Early bird not offered

In this exciting watercolor painting class, students will learn the basics of this unique medium. The medium's transparent quality allows students to create beautiful effects in a short period of time. Students will "see the light" as they explore watercolor. Whether it is capturing the wrinkles of a face in a portrait or spending time outside in Coe College's lovely gardens painting flowers, the participant will grow in their understanding of watercolor and refine their skills in this challenging and rewarding medium.

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## **Wild World of Sculpture**

June not offered  
July CK5828 and CK5828EB  
Offered as Early Bird and regular schedule course

Explore many of possibilities of sculpture including large scale human figures, plaster hands and styrofoam creations. Use many materials that are not usually common in the typical school art room. The projects are many and very open ended!

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## **World Religions**

June not offered  
July CK5325 and CK5325EB  
Offered as Early Bird and regular schedule course

Are religions really all that different from one another? In this course students will be exposed to the history, basic beliefs and practices of the major religions and philosophies practiced in the modern world.

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## **Yoga**

June CK1510 and CK1510EB  
July CK5510 and CK5510EB  
Offered as Early Bird and regular schedule course

Namaste! Start your day off right with Yoga. Let this ancient practice help you find focus and balance. The physical moves of Yoga are not just about flexibility, but also core strength, breathing and meditation.

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# Student Expectations

Please review the following expectations for student safety and behavior with your child prior to the start of College for Kids.

## SAFETY

- Inappropriate student conduct that causes material and substantial disruption to the education environment, interferes with the rights of others, or presents a threat to the health and safety of students, employees, visitors will subject the student to disciplinary measures. (A threat to others is defined as an act which is intended to cause pain or injury, is intended to result in physical contact which will be insulting or offensive, or is intended to place another in fear of immediate physical contact.)
- Weapons, other dangerous objects and look-alikes present a threat to the health and safety of students, employees, and visitors of Coe College, Grant Wood AEA, and the College for Kids Program and are not permitted.
- Harrassment of students by other students, teachers, or staff of College for Kids will not be tolerated. This includes, but is not limited to, harassment, including bullying, on the basis of race, sex, creed, color, national origin, religion, marital status or disability.
- Students are expected to remain on the Coe College campus during class time. Prior written authorization from a parent or guardian is required for a student to leave campus.
- College for Kids, Grant Wood AEA and Coe College reserve the right to involve local police when dealing with behavior that might be considered in violation of the law.

## BEHAVIOR

- Students are expected to arrive on time, participate in all course activities, and show proper respect for teachers, fellow students and for campus property.
- Regular attendance by students is essential to obtain the maximum educational benefits of the program. Parents and students are encouraged to ensure absence from the program is necessary. Students who are absent for two or more class meetings must have the approval of the director and the instructor to continue with the class. Excused absences include, but are not limited to, illness, family emergencies, recognized religious observations, appointments that cannot be scheduled otherwise, and school/district sponsored and approved activities. In these instances, it is recommended that parents call the College for Kids office to verify the reason for the absence.
- Directing disrespectful or abusive language at faculty members or other students will not be tolerated. This includes crude or obscene gestures, as well as any language that is delivered in writing, on clothing, on video or audio tapes, or through any other technological delivery system (e.g., voice mail, e-mail, or answering machines).
- Stealing, vandalizing, or otherwise damaging the property of the school or of school employees, students, or visitors will not be tolerated.
- Food and beverages may not be consumed in the classrooms.

Students in violation of the above stated expectations for student safety and behavior will be subject to removal from the College for Kids program. A refund will not accompany removal from the program.