

# 2021 College for Kids Course Catalog

\* = course available  
 n/a = course not available  
 TBD = course availability to be determined  
 Y = Art classes  
 Early Bird classes noted within course titles

**Students:** As a reminder the College for Kids Summer Enrichment Program is comprised of two nomination/program strands: Academic and Fine Arts. Students specifically nominated for the Fine Arts strand should select from the courses indicated with a "Y" in the Art column below.

UPDATED 3/29/2021

Art	June	July	Title	Description
Y	*	*	<b>Acrylic Craze</b>	This class will be looking at different painting techniques, brushstrokes, and artistic styles. Be ready to create and get a little messy! A paint shirt is a must!
Y	*	*	<b>Acting</b> <i>(Course Description and dates added!)</i>	The world is a stage! And a backstage...and the wings...and dialogue...and actors...and so much more! Join this acting class and spend time learning about different forms of acting as well as the many aspects of the theatre. Now on with the show!
	TBD	TBD	<b>Algebra – NOT AVAILABLE</b>	Course description not currently available.
	*	n/a	<b>Ancient China: The Path of the First Emperor</b>	Experience the chaos of the Warring States period in ancient China through a competitive simulation. In this "game", teams of students will work together to tackle real-world problems that faced the various warring states, all the while keeping a careful eye on their enemies – and an even closer eye on their "friends"! Who will become the first emperor of China? Only wits, strategy, and a little luck will decide!
Y	*	*	<b>Animation Techniques</b> <i>Offered during Early Bird ONLY</i>	Do you enjoy cartoons, Disney, Manga and Anime? In this creative and interactive class, learn two of the basic techniques of great animators - drawn animation and clay model animation. Explore ways to animate a character of your own design and watch your stories come to life in the development of an animation flip book. Put your imagination to work!
	*	*	<b>Arabic</b> <i>(Dates added!)</i>	Take a journey to unveil the mysteries of the Arab world. This course will introduce you 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.
	*	n/a	<b>Archaeology of Iowa</b>	Archaeologists are scientific detectives! In this class we will explore how archaeologists, like other scientists, gather clues and piece them together in an effort to find out how people lived in the past. We will practice archaeological research methods such as mapping, sorting and classifying artifacts, and we will experiment with prehistoric technologies as we learn about the Ancestral Native American cultures that have lived in Iowa for more than 13,000 years.
Y	*	*	<b>Architectural Kitchen Design</b>	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, estimate labor and materials costs, and propose your design concept to a potential client. After all, everyone knows it is the kitchen that sells the house!

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	TBD	TBD	<b>Astronomy - NOT AVAILABLE</b>	Astronomy is the branch of science that deals with celestial objects, space, and the physical universe as a whole. Study the solar system, constellations, galaxies, and universe.
	*	*	<b>Chemistry Counts</b>	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 and why they work!
	*	n/a	<b>Civil Rights Then and Now: History and Discussion</b>	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 for many of the same groups, as well as others.
Y	*	*	<b>Commercial Art</b>	Explore commercial art through the understanding of the elements and principles of design. Also delve into the design process, from idea development through the final execution of a document. Students will explore visual identity in marketing and advertising to promote new ideas.
	*	*	<b>Converse Conversations: Influential Women throughout History</b>	Who is the most important woman in your life? Which women have influenced your perspectives? This course will explore and interact with influential women past and present, giving us the opportunity to engage in interesting, thoughtful and civil conversations about gender in society and throughout history. Discover what it means to "break the glass ceiling" by researching examples of women from a variety of fields and publishing them in <i>Converse Conversations Today</i> . (Note: This is a 2-period block class.)
Y	*	*	<b>Cricut Crafting</b> <i>Offered during Early Bird ONLY</i>	Projects are unlimited with the Cricut machine, but do you know how to make projects with the Cricut yet? This course will be an introduction to Cricut crafting, and students will have the opportunity to create several personalized projects themselves: a reusable water bottle, greeting cards, and an iron-on of their choice!
Y	*	*	<b>Digital Design</b>	Imagine and Design!!! Combine image and word to make a publication! Digital photography and publication design are combined in this creative class. Utilizing InDesign software, students will be taught photographic, design, editing and publishing concepts, and will also be taught visualization terms, technical applications of design, and digital camera controls. We will take supervised photo walks on/near the Coe College campus and photograph independently. Students will also study the works of other photographers and designers. By the end of the class, students will have the opportunity to create a poster collage and individual prints. Integration of image with text is required in this course. Students will do much of their work independently (under the guidance of the instructor) requiring responsibility, attention to directions, and a focus on the details and timelines. Students registered for this course <u>must</u> : 1) provide their own digital camera or phone camera, and 2) have the ability to transmit images from that device via email or flash drive upload. <b>Class fee: \$20</b>

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Y	*	*	<b>Digital Graphics</b>	Let's learn how to use Adobe Illustrator while exploring the role of a graphic designer! Projects include logo creation, character design, and creating marketable products.
	*	*	<b>Dissection</b>	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 2020: fetal pig, perch, earthworm, bullfrog, and available live/fresh specimens.)
Y	*	*	<b>Dungeons &amp; Dragons &amp; Scripts – Oh My!</b>	Are you a fan of movies such as <i>The Lord of the Rings</i> , <i>The Princess Bride</i> , or <i>Narnia</i> ? Discover how you can create your own unique fantasy script through the gameplay of Dungeons and Dragons. Use narrative techniques, such as dialogue, description, and sensory language, to capture the epic quests of your character.
	*	*	<b>Engineering Structures with K'Nex</b> <i>Also offered during Early Bird</i>	Engineers build the pathways to our future. Simple machines are tools we use every day to make our lives easier. Let's combine the two with K'Nex and learn how to build structures to accomplish goals and challenges!
	n/a	*	<b>Exploring Biotechnology</b>	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.
Y	TBD	*	<del>Found Art and Poetry: Turning Trash into Treasures</del> <b>NOT AVAILABLE</b> <del>Offered during Early Bird ONLY</del>	Anyone can go to the store and buy stuff to make art. But it takes a special eye to repurpose items into art. Learn the history of found art and poetry, and apply this learning to create a mini-masterpiece.
	*	*	<b>French: Language &amp; Culture of France &amp; Francophone Countries</b> <i>(July added!)</i>	"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.
Y	*	*	<b>Full Impact: Blending Word &amp; Image</b>	A picture tell a thousand words. In this workshop students will integrate words with photographs to create an efficient, articulate, and passionate document, which not only responds to an image, but which actively tells a series of stories. Students may utilize photographs of their own taking, as well respond to provided perspective photographs. Everyone will have the opportunity to share their writings and images with other workshop participants. <b>Class fee: \$15</b>

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	*	n/a	<b>Genetics</b>	Explore the world of Genetics as we learn the basics of DNA, inheritance and lots of real-world applications. Some of our topics include twin genetics, extracting DNA from a strawberry & taking a peak at forensics. We will use models and hands-on activities to understand concepts. Become a Geneticist-in-training with us for a couple of weeks!
	TBD	TBD	<b>Geometry NOT AVAILABLE</b>	Course description not currently available.
	n/a	*	<b>German for Beginners</b>	This course is an 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, introductory phrases, and vocabulary that will allow students to describe themselves, their families, and their likes and dislikes. 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.
Y	*	*	<b>Handmade Paper and Books</b>	Learn many creative ways to produce decorative papers and a variety of hand-bound books from scratch in this messy and hands-on class. Professional marbling pigments, paints and drawing materials will be used to create unique sheets of paper. Final projects will incorporate unique decorative designs in the creation of books, journals and ledgers.
Y	*	*	<b>I'd Like to Tell You a Story: Podcasting</b>	Podcasts are one of the most popular forms of media and storytelling today. You can find a podcast on nearly any topic or idea that interests you! In this course, we will explore different genres and styles of podcasts and storytelling. We will also analyze what makes an effective podcast and how storytellers and journalists captivate listeners. Throughout the course, students will apply their discoveries and create a podcast story of their own!
	*	*	<b>Japanese</b>	Japanese is an extraordinary language that has been shaped by world history. It is one of the top ten most spoken languages in the world. Japanese can be difficult, but those who love studying languages will have a great time. Culture is an important aspect to Japan, so you'll also learn origami, calligraphy, watch anime, and learn honorable customs.
Y	*	*	<b>Learn to Draw Anime Characters!</b>	Take this class and learn how to become an anime artist! Learn step-by-step techniques on how to draw male, female, gender fluid, and Kemonomimi anime characters. You will choose from all the things you've learned that are of interest to you to use in the creation of your own OC!

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	*	*	<b>Math of Monkey Business</b>	Math is everywhere in this hands-on application-based class! Opening a zoo may sound like "monkey business", but the stakes are high. Data must be collected and analyzed, budgets must be created and followed to support concessions and merchandise, and profit goals must be set. Once you've show off your problem-solving math skills on the business side of the operation, it's time to learn how geometry can help you design and build animal enclosures to ensure that the zoo will be in operation for years to come.
	*	TBD	<b>Math Power</b>	Math Power...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. (No previous algebra experience is necessary.)
	*	*	<b>Microscopy</b> <i>Offered during Early Bird ONLY</i>	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.
	TBD	TBD	<del><b>Middle Eastern Studies: Building Understanding</b></del> <b>NOT AVAILABLE</b>	<del>Want to travel to the Middle East, 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!</del>
<b>Y</b>	*	n/a	<b>Mixed Media &amp; Texture</b>	Learn and broaden your experience with a multitude of art media in this engaging class. We will intermix watercolor, colored pencil, and acrylics along with texture making media like Mod Podge, drywall compound and common everyday items. Students will be able to see the relationship of color and hue as well as the importance of light, form and perspective. Since this is a mixed media course, each student's piece will be different and uniquely their own. Expression and emotion will be discussed as part of the artist makeup.
	*	*	<b>Mock Trial</b>	Want to learn more about our legal system? Learn how to: analyze a criminal case, apply the law to the case, perfect your skills in writing direct and cross examinations, enter evidence, argue more objections and develop witness performances. And yes, you will take these new skills and apply them by trying a case. Will the defendant be found guilty or innocent? Your performance will help determine the verdict!

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Y	*	*	<b>Mythology</b>	Discover the interrelated world of mythology and how it effects the world today. Have you enjoyed Rick Riordan's books and are also somewhat confused about all the gods and goddess from Greek, Roman, Egyptian and Norse mythology? Explore and learn about mythology from many cultures, study family trees from different cultures, and do an in-depth study of several mythological beings
Y	*	*	<b>Origami</b> <i>Offered during Early Bird ONLY</i>	Origami is the Japanese art of paper folding from the words <i>ori</i> meaning "folding" and <i>kami</i> meaning "paper". Experience the joy this art form brings to people of all ages. No prior knowledge necessary - we will start with the basics and build up our repertoire with boxes, animals, stars, jewelry and more!
Y	*	*	<b>Pastel Chalk and Charcoal</b>	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!
	*	*	<b>Physics</b>	Explore the science of physics as it challenges you to think, build, and create in new ways to solve problems. Test your skills with egg drops, balloon rockets, mirror mazes, and more in this hands-on course.
	*	n/a	<b>Python Programming</b>	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.
	*	n/a	<b>Religions of the World</b>	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 through a combination of videos, web-based research and presentations. Then students will be tasked with comparing two of the religions studied and asked to not just identify similarities and differences but to explain WHY those similarities and differences exist.
	*	*	<b>Revolution &amp; The Reign of Terror</b> <i>Offered during Early Bird ONLY</i>	Go back in time to when French heads rolled...literally. Examine the causes of the tragic French Revolution and the heartbreaking Reign of Terror that followed. Examine why thousands were executed by the guillotine and how this brief period in French history rocked the nation. Use your newly-acquired knowledge to create and perform a French Revolution puppet show with your classmates.

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	TBD	*	<del>Russian Language &amp; Culture</del> <b>NOT AVAILABLE</b>	<del>Bored with the same old alphabet? Let's learn Cyrillic! Students will learn to write, read, and speak in beginning Russian. Also learn about Russian culture and history in order to understand Russia as a nation. Content will be interactive.</del>
<b>Y</b>	*	*	<b>S.P.E.E.C.H.</b>	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!
	*	n/a	<b>Science Myths: True...or Busted?</b>	Have you ever wondered if soda and pop rocks can be mixed, or if your cell phone is dirtier than a toilet seat? How about if the sun can actually cook food? In this class we will participate in various experiments and research to find out if common science myths are true or busted!
	*	*	<b>Sherlock Holmes or Lateral Thinking Skills Through Literature</b>	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!
<b>Y</b>	*	n/a	<b>Short Films</b>	Want to be in a film or want to direct a film? Already a movie star or a director but want to learn a bit more about how to make your movies better? This is the class for you! We will use various technology, including iPads to storyboard, film and edit short films.
<b>Y</b>	n/a	*	<b>Smash Journaling - Creative Writing Meets Art</b>	Journals are wonderful safe places to express your innermost feelings, revisit memories, and even have some fun! Take your journaling up a notch in Smash Journaling! Combine creative writing with artistic embellishments and memorable paraphernalia. Each day we will respond to writing prompts, from fun and quirky to emotional and meaningful. We will also use a variety of artistic tools to learn stunning painting, coloring, scrapping, and drawing techniques. This class will feel like a comfortable art/writing studio where writers can take risks, share with others, and discover more about themselves. Join us, and let your imagination take over!
<b>Y</b>	*	*	<b>Social Justice Art</b> <i>Offered during Early Bird ONLY</i>	The processes by which people create and interact with art can help them understand and challenge inequities through art education and social justice. Students will participate in social justice/service learning projects or to identify, create, and implement their own.
	*	*	<b>Spanish – Language &amp; Culture of Hispanic Countries</b> <i>(Dates added!)</i>	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!

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Y	*	n/a	<b>Ta Dye For: The Ancient Japanese Shibori Hand Dyeing Techniques</b>	Shibori is a Japanese method of dyeing cloth dating back to the 8th century and can be described as an intricate form of tie-dye. As a dyer, students receive instruction on how to work in unison with the material, never in an effort to overcome limitations, but to allow full expression, thus creating a fascinating, one of a kind elemental design. Join us for a colorful mess and create fascinating, one of a kind elemental designs for hand-dyed projects.
	*	*	<b>Tai Chi, Martial Arts &amp; the Power of Positive Thinking</b>	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.
	*	*	<b>The Art of Negotiations</b> <i>(Dates added!)</i>	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? Tried to get something out of your parents? 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.
Y	n/a	*	<b>The Poetry Café</b>	In the way that a cafe offers many types of coffee, poetry offers many opportunities for creative expression. Silly and fun. Serious and emotionally gripping. Full of rhymes...or not. Find out all about this oftentimes underrated art form by joining The Poetry Cafe. Our classes will conclude with an incredible poetry slam with you as the stars!
	*	n/a	<b>The Rise and Fall of Great Empires</b>	Why do some empires flourish while others fizzle? In this project-based course students will investigate and present information about the rise and fall of notable empires such as the Egyptians, Aztecs, Romans and more. Students will then create their own fictional empire, borrowing the characteristics from the strong empires that they learned about in the course.
	*	n/a	<b>Veni, Vidi, Vici! Latin</b> <i>Also offered during Early Bird</i>	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 and read Green Eggs and Ham in Latin.

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Y	n/a	*	<b>Virtual 3-D Creations</b>	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.
	*	*	<b>Viva la Revolucion! Cuba from Fidel Castro to Miguel Diaz-Canel</b>	Only 90 miles off the coast of Florida, Cuba remains one of the most mysterious and misunderstood nations among Americans. Once a playground for rich and famous Americans (including the mafia!), the Cuban Revolution of 1959 changed U.S. - Cuban relations for decades. Explore the amazing country of Cuba, its people, history, and culture since the Revolution.
Y	n/a	*	<b>Watercolor &amp; Beyond</b>	Learn the use one of the oldest media - watercolor. It can be soft and sweet, or it can be bold and bright. Blend it with itself or combine it with other medias. We will explore the makeup of pastel, ink and copic and acrylic and how each can mix with the other. Also learn how to map with one media and enhance with the other. Then seen what happens when you add texture.
Y	n/a	*	<b>What If...Exploring Dystopian Literature</b>	Fictional societies. Oppressive control. Futuristic themes. The Giver. Katniss Everdeen. 1984. Dystopian literature is fascinating! Read thought-provoking short stories about dystopian societies. Discuss the current day issues that have been propagandized or oppressed to create these fictional stories, and develop solutions. What if it is the end of the world as we know it? Or what if we use our intuition, our resourcefulness, and perhaps a brave hero or heroine to survive this dystopia?
Y	n/a	*	<b>Wild World of Sculpture</b> <i>Offered during Early Bird ONLY</i> <i>(Dates changed)</i>	Explore many of the 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!
Y	*	*	<b>Writing Our Stories: Creative Writing and Nonfiction Workshop</b>	Do you love writing and relish the chance to discuss your work with other engaged writers? In this workshop-based class, you will have the chance to experiment with different types of creative fiction and nonfiction writing, discover and explore your own creative ideas, and collaborate in a community of writers!
	*	*	<b>Yoga: Using Ancient Practice to Survive Modern Times</b> <i>Also offered during Early Bird</i>	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.