

2019 College for Kids Course Catalog

Students: When you register for College for Kids, you will be required to indicate your 6-8 favorite courses in preference order on the registration form. As you review the list below, it is a good idea to select more than 8 classes, just in case any of your favorites are no longer available at the time that you register. As a reminder College for Kids runs two concurrent nomination-based programs: the academic Enrichment program and the Art program. Students nominated for the Enrichment program may select from ALL of the courses listed below (including art classes). Students nominated for the Art program, may only select from the courses indicated with a "Y" in the Art column below.

Art	June	July	Title	Description
Y	CK1868	n/a	Acrylic Craze	This class will be looking at different painting techniques, brushstrokes, and artistic styles. We will be pouring paint, freezing it and using some odd materials like shaving cream to apply unique surface designs. Be ready to create and get a little messy! A paint shirt is a must!
	n/a	CK5326	Ancient China – Path to the First Emperor	Learn about early Chinese history through the end of the Warring States period. Engage in the history of China through a variety of sources and activities, including a game where you will take on the role of a Duke, vying for control of the land that will become China. Who will take the title of First Emperor? Only skill, diplomacy and luck will tell.
Y	CK1843	CK5843	Animation Techniques	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!
	CK1601	CK5601	Arabic	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. ***Food Allergy Alert***
	CK1308	n/a	Archaeology of Iowa	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***

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Y	n/a	CK5801	Architectural Kitchen Design	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 concert to a potential client. After all, everyone knows it is the kitchen that sells the house!
Y	CK1864	CK5864	Art History's Mysteries	A host of secrets are waiting to be revealed in every art museum! Untangle some of art's great mysteries as we explore how new technologies have provided groundbreaking information regarding concealed paintings, unsolved thefts, rediscovered masterpieces and murders! We'll use detective skills to unlock hidden meanings in some of the world's great masterpieces and archeological treasures.
	CK1103	CK5103	Astronomy: The Oldest & Best Science!	Astronomy is the branch of science that deals with celestial objects, space, and the physical universe as a whole. Study the solar system, stars, black holes, constellations, galaxies, and universe. Learn to use a telescope, and crawl into a portable planetarium to learn constellations and the diurnal and annual motion of the sky!
Y	CK1839	CK5839	Be Weave It: Unearth the Common Thread Between Navajo & Pueblo Weaving	Explore the spirit world of Navajo and Pueblo cultures as you trace the evolution of their weavings and uncover their common thread. According to legend, Spider Woman gave them the knowledge of weaving and how to create their looms. You will be taught how to warp your loom using one continuous thread and design your hand woven project based upon your perceptions of both cultures and their specific appeal to you.
	CK1304	n/a	Brain Anatomy: Are You Brainy?	Are you Brainy? Are you always wondering WHY or HOW you think and see differently than others? Then this class is for you! In this class we will dive into brain teasers to learn the anatomy of the brain and take a journey through the different segments the of brain. We will look at how the brain allows us to memorize, think, and see things others do not. There will be a lot of hands on activities and games played and you may even come out of the class being able to think just a little bit differently!
Y	CK1804	n/a	Calligraphy	Learn the ABC's of Calligraphy with a professional calligrapher! Students will learn italic letterform style, which is the main focus of this class - a popular class choice for College for Kids students for 25 years. Using a broad edge pen, students will learn about the history of writing & the italic alphabet stroke by stroke; projects will include greeting card designs, certificate design, decorative borders, and envelope art. All students will receive the 24th edition of the Speedball Textbook and 2 pens.

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	CK1104	CK5104	Chemistry Counts	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! ***Food Allergy Alert***
	CK1322	CK5322	Civil Rights Then and Now: History and Discussion	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	CK1807	CK5807	Clay Techniques & Design	Explore the world of 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. Planned projects include a coil bowl, pinch pot, sgraffito plate, historically inspired figurine, and a group sculpture.
Y	CK1833	CK5833	Digital Publications Photography	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 registered for this course MUST PROVIDE THEIR OWN DIGITAL CAMERA and FLASH DRIVE. Detailed information regarding lab fees (\$35/student to cover printing and matting) will be provided when class schedules are released.
	CK1105	CK5105	Dissection	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 2019: fetal pig, perch, earthworm, bullfrog, and available live/fresh specimens.)

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	CK1508	CK5508	Drone Systems	Unmanned Aircraft Systems are making big news as one of the fastest growing industries for civil and commercial applications as well as for hobby flyers. This course explores how they function and how they are safely, legally, and benevolently used. You will research drone careers, laws, and models. You will also receive flight training, aerial imaging training, and mission planning with various drone models.
	CK1136	CK5136	Engineering Structures with K'Nex	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	CK5134	Exploring Biotechnology	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.
	CK1208	CK5208	Exploring Geometry	A review of middle- and high school geometry topics, with an emphasis on problem solving and exploration. Course topics, guided by Iowa Core standards, will include basic vocabulary, historical context, and major tenets such as logic, area and volume, polygons, and geometric transformations. Open-ended questions and daily hands-on activities show that geometry can be fun!
	CK1122	CK5122	Field Biology	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 and plan to be in knee deep water. Water shoes will be beneficial.
Y	CK1865	CK5865	Forming Ceramic & Fabric Figures	Design and create your own action figure, animal or doll using clay and fabric. From the planning process, to the forming and decorating - you get to decide every detail and take home your creations.
	CK1603	CK5603	French: Language & Culture of France & Francophone Countries	"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***

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	CK1107	CK5107	Genetics	Explore the basics of human genetics by learning about DNA, inheritance of traits, and discovering genetic diseases. We will use models and hands-on activities to understand concepts. The two weeks will conclude with a culminating project about diseases.
Y	n/a	CK5403	Graphic Design	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!
Y	CK1324	n/a	Hamilton - Who Lives, Who Dies, Who Tells Your Story	How would you want the world to learn YOUR story? In the hit musical "Hamilton" that revolutionized how stories are told on Broadway, 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.
Y	n/a	CK5806	Handmade Paper and Books	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, inks, 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	CK1850	CK5850	Improvisation	And...action! Experience the power of play through acting and improvisation exercises. Use various exercises that encourage trust, communication, agreement, active listening, and character. And...scene!
Y	n/a	CK5857	Intro to Dance	Get ready to dance! Ballet, Jazz, and Hip-hop...we'll learn both technique and choreography! No experience necessary, but come dressed comfortably and ready to move!
	CK1604	n/a	Intro to German	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***

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Y	CK1872	CK5872	Introduction to Printmaking	Make original monoprints, engravings and screen prints. Explore the art of printmaking with a variety of materials and techniques.
	CK1201	CK5201	Introductory Algebra	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.
	CK1606	CK5606	Japanese	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, so you'll also learn origami, watch anime, and learn honorable customs. ***Food Allergy Alert***
	n/a	CK5411	JavaScript Games	Learn basic programming using the JavaScript language, then use that to jump into some graphical 2D game programming using the Phaser framework. This is a challenging course, so you probably want a bit of prior programming experience (prior experience could be in any language).
Y	n/a	CK5841	Kinesiology - The Science of Movement	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, including bones, bony landmarks and major muscle groups. Be prepared to spend time in and out of the classroom learning and exploring various activities and sports! Let's get moving!
	CK1503	CK5503	Kung Fu & the Art of Self Defense: The Ancient Practice of Tai Chi	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.
Y	CK1867	CK5867	Learn to Draw Anime Characters!	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 very own OC!

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	CK1204	n/a	Math Power	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.
	CK1610	CK5610	Middle Eastern Studies: Building Understanding	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!
	CK1303	CK5303	Mock Trial	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!
Y	CK1703	CK5703	Mythology	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 and Egyptian mythology? Explore and learn about mythology from many cultures, study family trees from different cultures, do an in-depth study of several mythological beings and have fun testing your knowledge at the end of the course.
Y	CK1811	CK5811	Pastel Chalk and Charcoal	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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Y	CK1402	n/a	Photoshop Imaging and Editing	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.
	CK1123	CK5123	Physics	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.
	CK1202	CK5202	Problem Solving Strategies in Math	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".
	CK1409	n/a	Python Programming	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.
	CK1325	n/a	Religions of the World	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.
	n/a	CK5328	Revolution & The Reign of Terror	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.
	n/a	CK5608	Russian Language & Culture	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.

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	CK1708	CK5708	Sherlock Holmes or Lateral Thinking Skills Through Literature	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!
Y	n/a	CK5863	Short Films	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.
Y	CK1720	CK5720	Smash Journaling - Creative Writing Meets Art	Journals are wonderful safe places to express your innermost feelings, revisit memories, and even have some fun! Take your journal up a notch in Smash Journaling! Combine creative writing with artistic embellishments and memorable paraphernalia. Each day we will respond to writing prompts that range from fun and quirky to emotional and meaningful. We will also use a variety of markers, gel pens, colored pencils, paint and other 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!
Y	CK1822	CK5822	Sumi-e Ink Painting	The Japanese term "sumi" means black ink, "e" means painting. Sumi-e is an art form in which subjects are painted with black ink in all possible gradations ranging from pure black to the lightest shades achievable by dissolving ink in water. Painting are done with ink, bamboo brushes and rice paper.
Y	CK1837	CK5837	Ta Dye For: The Ancient Japanese Shibori Hand Dyeing Techniques	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.
	CK1302	n/a	The Art of Argument: An Introduction to Debate	Winning an argument isn't about shouting the loudest. In this introduction debate, we will spend our days debating topics of interest to middle schoolers, thinking critically about our own views, listening to those with differing opinions, and attempting to persuade them to our view with convincing evidence. We will engage in informal debates on a variety of topics most days, building toward a more formal final debate.

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	CK1327	CK5327	The Art of Negotiations	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? 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	CK1812	CK5812	The Great Creation: Black & White Film Photography	Experience the magic of photographing with film and becoming a darkroom printmaker! The pursuit of photographic excellence is forefront in this course. We will utilize the tools of traditional silver-based black & white film and printmaking to become a "fine art" photographer. Students will work independently and be mentored. Each student will shoot three rolls of B/W film, and make as many prints as possible. Students will learn camera controls, photo history, and visualization techniques. Students will print, mat and exhibit gallery worthy B/W images. The course includes three photo outings near the Coe campus (plus at-home photography), four printmaking days, and the study of legendary photographers Ansel Adams and Pulitzer Prize winner Stanley Foreman. Everyone keeps their own negatives, mats and prints. Students registered for this course MUST PROVIDE THEIR OWN WORKING 35mm FILM CAMERA. (NOTE: CAMERAS ARE ALSO AVAILABLE FOR RENT.) <i>Detailed information regarding lab fees (\$55/student) and optional camera rental fee (\$10) will be provided when class schedules are released.</i>
Y	CK1721	CK5721	The Poetry Café	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!
	CK1320	n/a	The Rise and Fall of Great Empires	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 original empire, borrowing the characteristics from the strong empires that they learned about in the course.

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Y	CK1813	CK5813	The Self Portrait	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.
	CK1607	n/a	Veni, Vidi, Vici! Latin	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.
Y	CK1406	n/a	Virtual 3-D Creations	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.
Y	CK1816	CK5816	Watercolor Painting	In this exciting watercolor painting class, students will learn the basics of this unique and versatile 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. Students will learn basic watercolor techniques and explore the expressive qualities of watercolor through abstract painting. Whether its spending time outside in Coe College’s lovely gardens painting flowers or creating expressive portraits, there will be an opportunity to refine their technical skills and practice observational painting.
	CK1408	CK5408	Web Design	Create simple webpages. Learn some basic coding in each of the three most fundamental web languages: HTML, CSS, and JavaScript. HTML is for defining web content in a webpage. CSS defines styles of webpages that determine their look and feel. JavaScript is a programming language that allows websites to become interactive and respond to user input. Students will create a webpage about a topic of their choice and add features and content to it throughout the course.

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Y	CK1724	CK5724	What If...Exploring Dystopian Literature	Fictional societies. Oppressive control. Futuristic themes. The Giver. Katniss Everdeen. 1984. Dystopian literature is fascinating! Dig into 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?
	CK1137	CK5137	What's Up with Mother Nature?	Deadly wildfires, blizzards, volcanoes, droughts, tornadoes, and heat waves. Are these weather events connected? Could they be part of climate change, one of the most pressing global issues of the 21st century? Engage in hands-on critical thinking activities to explore the scientific concepts surrounding climate change. Explore a topic in greater detail and investigate potential solutions through a problem-based learning activity.
Y	CK1716	CK5716	Writing Our Stories: Creative Writing and Nonfiction Workshop	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!
	CK1510	CK5510	Yoga: Using Ancient Practice to Survive Modern Times	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.
Y	CK1873	CK5873	Zentangle Doodles	Do you like those fancy coloring books and wondered how to create all of those detailed patterns? Learn how to create those doodles called zentangles. Become a zentangle doodling master, while creating artwork images that are totally your choosing!

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Early Bird Course Options

Early Bird Courses are optional. Held each day 7:45-8:20 a.m. for an additional fee of \$50/student. When you register, be prepared to select 2 early bird courses, and list them in preference order on the registration form.

Art	EB June	EB July	Early Bird Course Title	Early Bird Course Description
Y	CK1847EB	CK5847EB	Advanced Graphic Design	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.
Y	CK1859EB	CK5859EB	Adventures in Knitting	Get ready to try old and new techniques! We will begin by exploring traditional knitting basics. Next we will mix things up with finger knitting/crochet necklaces and finish up with creating a set of house slippers.
Y	CK1843EB	CK5843EB	Animation Techniques	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!
	CK1103EB	CK5103EB	Astronomy: The Oldest & Best Science!	Astronomy is the branch of science that deals with celestial objects, space, and the physical universe as a whole. Study the solar system, stars, black holes, constellations, galaxies, and universe. Learn to use a telescope, and crawl into a portable planetarium to learn constellations and the diurnal and annual motion of the sky!
Y	CK1869EB	CK5869EB	Crash Course: Western Art History	This course will take students on an artistic journey from 800 BCE to 2019 CE. We will highlight major pieces of western art and architecture - including works from ancient Greece and Rome, the Middle Ages, the Renaissance, Modern Art and finally, Contemporary Art. This course will utilize various modes of learning including digital technology, individual and group research, hands on projects and lectures.
Y	CK1870EB	CK5870EB	Dream On Dream Weaver	Weave a web of lure as you step quietly into the legendary world of "Dream Catchers and Totems." Native American of the Great Plains believe the air is full of good and bad dreams whereby good dreams pass through the center of a dream catcher while the bad ones are trapped in the web. Ponder which totem best identifies with your personality and weave it throughout your dream catcher to visually make it one of a kind.

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Art	EB June	EB July	Early Bird Course Title	Early Bird Course Description
Y	n/a	CK5871EB	Intro to Ballet	Wake up with ballet! In this early bird class, students will learn the basic technique and practices of ballet. They'll also learn the history and evolution of ballet through the centuries!
	CK1209EB	CK5209EB	Math Competition Problems & Practice	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!
	CK1108EB	CK5108EB	Microscopy	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.
Y	CK1721EB	CK5721EB	The Poetry Café	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!
	CK1607EB	n/a	Veni, Vidi, Vici! Latin	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.
Y	CK1828EB	CK5828EB	Wild World of Sculpture	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!
	CK1510EB	CK5510EB	Yoga: Using Ancient Practice to Survive Modern Times	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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My Course Selection Worksheet

My Top Favorite Courses:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

My Back-Up Courses (if my favorite courses are already full):

- 1.
- 2.
- 3.
- 4.

My Favorite Early Bird Courses (Optional):

- 1.
- 2.

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