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Early Bird classes = noted within course titles

# 2023 College for Kids Catalog

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- **Course Descriptions**
- **Course Offerings per Period**

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Art	Course Titles	Course Descriptions
*	<b>Acrylic Craze</b>	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!
*	<b>Acting for the Stage</b>	All the world's a stage, so join us! We'll explore techniques and approaches to acting in this very interactive course designed for those exploring, or already familiar with theatre. No matter your level, we'll stretch our skills as we build our confidence as theatre artists; refine improvisational skills; learn to communicate stories clearly and effectively; and, apply concepts and techniques we've learned in scenes from major published plays, both classic and modern. We will finish the course by devising and performing our own original 10-minute plays.
*	<b>Acting the Song: Musical Theatre</b>	Already performing in musicals or dreaming of the spotlight? No matter where you are, join us as we stretch our skills to act effectively in musical theatre. We will discuss and work on techniques for storytelling through song; learn best practices and perform in mock auditions for musical theatre; and, work together to stage striking group and ensemble musical theatre moments. The course will culminate in creating a musical theatre showcase in which students share individual and group performances of songs refined throughout the course. Students should expect to sing (solo and as a group) most days in this course.
	<b>Adventures in Philosophy</b>	Open your mind to philosophy! Students will use critical thinking to learn the basics of philosophical thought through history via lively discussion, games, and thought experiments. Students will create a meaningful reflection in the form of a personalized project throughout the course, showing their journey into the world of philosophy.
*	<b>American Sign Language</b> <i>Offered during Early Bird ONLY</i>	American Sign Language is a complex language that uses hand shapes and movement to create words with specific grammar rules. This class will introduce students to the language and the culture of the deaf world.
	<b>Archaeology of Iowa</b>	This class introduces students to the methods that archaeologists use to learn about the past. We will try out various archaeological research techniques and learn about the 13,000 years of archaeological history in Iowa. We will travel back in time and study the changing technologies that people employed throughout the long story of Native Americans in Iowa.
*	<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 and propose your design concept to a potential client. After all, everyone knows it is the kitchen that sells the house!
	<b>Around the World in Nine Days</b>	Explore nine different countries around the world. Learn about their customs, traditions and holidays, and try some of their foods and games. Gain an even deeper understanding of each country by comparing things like their different education systems, voting processes, religions and forms of energy. Oh, the places we will go!

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*	<b>The Art of Hand Lettering</b>	The Art of Hand Lettering teaches basic and intermediate hand lettering design. Students will be taught the skills of arranging fonts into words and words into meaningful quotes and signage. The course will allow for both hand-drawn and digital lettering experiences.
	<b>Astronomy</b>	Engage in mind-bending discussions about the beyond! This course will focus on profound subjects involving the cosmos. Presentations and discussions will focus on topics such as The Black Holes, Relativity, Exoplanets, Spaceships, and the Beginning/End of the Universe.
	<b>Become a Drone Pilot</b>	Drones are becoming an important part of modern life. In this course, students with little to no drone experience will learn to safely and responsibly pilot drones, will learn about laws and regulations, and will learn about the ever-growing number of careers that use drone technology. Come fly with us! Students will need a mobile phone for drone operation. All other materials provided.
	<b>Chemistry</b>	Chemistry is everywhere. At the end of this course, students will be able to use basic knowledge of chemistry in their day-to-day lives and in their future academic courses. They will also strengthen their understanding of measuring data. Some topics will include: Density, Physical/Chemical Changes, Atomic Structure, Heat Transfer, Types of Bonds, and Acids/Bases.
	<b>Computer Science: HTML and CSS Basics</b>	Come learn how to write HTML and CSS to create a website using code.org. Students will learn how to use the HTML and CSS language to create a basic website full of color, text and pictures.
*	<b>Digital Master Class: Black &amp; White Photography</b>	Become a "fine art" digital photographer through black & white imagery. The programs InDesign and Photoshop will be utilized to embellish your creation. Learn to see in black, white, and all the shades of grey in between. Students will produce eight B/W final images for a fine art exhibit. Learn camera controls, photo history, image adjustment, and visualization techniques. The course includes photo outings near the Coe campus, and the study of legendary B/W photographers, including Ansel Adams and Pulitzer Prize winner Stanley Foreman. Everyone keeps their own digital files and prints.  Students must provide their own camera or cell phone for picture-taking and have the ability to transmit images from that device via email or flash drive upload.
	<b>Discover Engineering: A Solution to Every Problem</b>	Learn about the different branches of engineering and the engineering process, and then try them all out with fun, hands-on activities. Students will construct balsa wood towers, make bouncy balls, test filters, and much more!
	<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 2023: fetal pig, perch, earthworm, bullfrog, and available live/fresh specimens.

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*	<b>Dungeons &amp; Dragons Level 1: Would You Like to Play a Game?</b> <i>Offered during Early Bird ONLY</i>	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>Dungeons &amp; Dragons Level 2: Building the Story!</b>	Calling all experienced adventurers! Are you tired of battling fearsome beasts? Wanting to control how the story ends? Then come forge your writing skills as you use your knowledge of Dungeons and Dragons to create your own 'Choose Own Your Adventure' gamebook! After going on a few adventures of your own, you will use your experience to learn how to navigate interwoven storylines. Write with your audience in mind as you plan each trial, trap, and following consequence.
	<b>Engineering Design: Develop a Card Game</b>	In this course, you will work through the engineering design process in order to create a new card game. You will select and follow certain design criteria and constraints to develop and test your product, analyze the testing results and make improvements. You can decide how you would like to develop your prototype. This may be the perfect time to practice creating your own clipart, or maybe you would prefer to use a program such as canva, and if you like to draw that is always an option as well. When your card game is complete maybe you would want to share it on Kickstarter as well! Check out how Alex started- <a href="https://www.kickstarter.com/projects/hottaco/taco-vs-burrito">https://www.kickstarter.com/projects/hottaco/taco-vs-burrito</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.
*	<b>Exploring Math Found in Nature</b>	Have you ever noticed how much math is in nature? That a head of broccoli looks exactly like one of its little florets? This class will explore the beauty of mathematics found in nature and patterns. Topics include fractals, tessellations, the Fibonacci sequence and the golden spiral (often referenced in art). Join us and find out why Galileo said, "Nature is written in mathematical language."
	<b>Exploring the Voices of the Holocaust</b>	Learn about the Holocaust and the people who played a role in this time in history. Through discussions, timelines, survivor stories and art analysis, learn about Anne Frank, Elie Wiesel, Adolf Hitler, and more. Learn about the Nazi party and its invasion across Europe while focusing on the people who resisted their reign of terror. Students will have the opportunity to express and reflect on their knowledge and feelings throughout this class through personal journaling, class discussion and art.
	<b>The Feudal Game – A Simulation Set in Ancient China</b>	The land that would become China is fragmented into the chaos of war! In this war game simulation you will make the scientific, military and economic decisions of your warring states. As the leaders, can you unite China under your rule?
	<b>Forensic Science</b>	Learn about forensic science and modern criminal investigation analysis. Further develop your problem solving skill as you theorize, research and synthesize information, and arrive at evidence-based conclusions. How would your skills hold up at a crime scene or in the laboratory?

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*	<b>Fun with Textiles</b>	Learn weaving and macramé, and other varieties of textile art. Guided by the instructor, students will have the creative freedom to express themselves through several projects. Students will have a minimum of two projects to bring home at the end of our course.
	<b>Genetics</b>	What do geneticists do? In Genetics we will focus on observable phenomena within a plant or animal species. Students will work together to figure out answers to their own scientific questions. We will also explore careers in the field of genetics.
	<b>Geometry</b>	Are you a logical person? Do you ever wonder what it takes to prove concepts mathematically? If so, then this is the course for you. This course will be a brief introduction to many of the topics that you will see in high school Geometry. We will start with mathematical proofs and take a logical approach to solving algebra problems. If you want to practice your Algebra skills, this class will help review those concepts. We will also cover the following topics: points, lines, planes, transversals, angles, segment addition, and shapes.
*	<b>Graphic Design</b>	Graphic Design allows students the opportunity to see the world through a creative digital lens. Students will learn how to use Adobe Illustrator to design several choice based projects including a logo, letterforms, and character design.
	<b>The Great War The Game – A WWI Simulation</b>	The powers of Europe are on the brink of war! Can you lead your Great Power to victory or suffer the agony of defeat? In this military and economic simulation loosely based on the game "Diplomacy" you will lead the government of one of the Great Powers during World War One.
*	<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.
*	<b>History Alive! Through Digital Design</b>  <b>NOTE:</b> This is an immersive block-scheduled course, held daily across P2 and P3. Students registering for this unique course opportunity will have a daily two-class schedule: P1: 8:30-9:37 P2/P3: 9:45-12:07	Imagine yourself as an exhibiting Artist at The History Center! This honor is possible through this course! Here's how it can happen: In this immersive 2-period course you will be guided to create unique fine art photo collages. This fun and active course pursues excellence through photography, design, research and writing about contemporary Linn County. You will be given the tools and instructional support to reach that excellence. Guided photo walks in Cedar Rapids will take place, plus you will learn InDesign to create your finished products. This unique 2-period course (P2 and P3) will conclude with the 2024 display of your creative work at The History Center as part of instructor Bob Campagna's retrospective exhibit. Students must provide their own camera (or cell phone camera). Your work will live indefinitely in Linn County's history. The opportunity is now! <b>Check out our YouTube video <a href="#">HERE</a></b>
*	<b>Improvisation</b>	Lights, camera, improv! Students interested in performance will enjoy practicing the art of comedic improvisation. In this course they will learn the rules and games that go into making up a scene on the fly. All the while using teamwork, communication, and instinct to make funny happen spontaneously.

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*	<b>Inspiring the Writer Within</b>	Participants will explore various topics and strategies for writing, using mentor texts and personal experiences to develop their thinking. In a supportive community of writers, participants will learn from one another and have choice in the genres they craft. Due to the limited time together, emphasis will be on generating and developing ideas, rather than perfection of grammatical skill (although this will be considered, as well!). All students will receive a booklet of writing at the end of the class.
*	<b>Introduction to Ceramics – Hand-Building Functional Art</b>	Design and make several unique ceramic vessels, with a focus on creating sets of functional items. They will practice the basics of forming clay by using a combination of pinch methods, slab, and coil building. We will also incorporate surface design techniques such as sgraffito, adding texture, and painting with underglaze. Students will get to finish off their projects by glazing and firing their pieces in the kiln. This class is an excellent way to learn about the artistic and technical methods of turning raw clay into functional ceramic art!
	<b>Intro to German</b>	Have fun learning basic conversational phrases and vocabulary in German as well as unique customs of the German speaking countries. You will begin on the first day to speak in German with your classmates, and end on day nine with basic speaking and listening comprehension skills.
	<b>Japanese</b>	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.
*	<b>Let's Get to the Point: Embroidery</b> <i>Offered during Early Bird ONLY</i>	It's time to get crafty! In this early bird course we will be designing our own pictures on cotton fabric using embroidery floss. Learn how to use a sewing loom, thread a needle, make knots and use plastic mesh as a sewing base. Let's get to the point!
*	<b>Life Drawing</b>	In this drawing class, develop eye-hand coordination, sharpen observational capacity, and encourage relaxation. We will study line, contour, perspective and proportion through figure drawing from gesture and live action model poses.
*	<b>Little House on the Prairie – Early Bird Book Club</b> <i>Offered during Early Bird ONLY</i>	Spend the next nine days reading one of the best all-time books for young readers. Not only is the "Little House" series filled with stories of the Ingalls family, but it is also filled with insight into what life was like on the Midwestern Prairie in the mid to late 1800's. A great way to step back in time, make connections between history and our busy lives today, and simply enjoy a great piece of American Literature!
	<b>Math Circuit Circus</b> <i>Also offered during Early Bird</i>	This class explores the underlying mathematics of digital electronics and the hardware of circuit boards. Create isometric drawings to represent 3 dimensional objects. Learn how to count and code in binary and hexadecimal number bases. Learn about matrices and their operations.

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	<b>Math of Monkey Business</b>	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. Math is everywhere in this hands-on application-based class!
	<b>Math Power</b> <i>Also offered during Early Bird</i>	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>Meditation, Mindfulness and Yoga</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.
	<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.
*	<b>Mixed Media Art</b>	Create artwork using a variety of drawing and painting mediums and techniques. Learn how to combine multiple art media including drawing, painting, calligraphy and collage. Express yourself as the unique artist and person that you are!
	<b>Mock Trial</b>	Students will become familiar with a civil/criminal case, learn how to develop arguments for the defense and prosecution sides, become familiar with court procedures, write openings, direct and cross examinations, as well as closing arguments and conduct an actual court trial. Will the defendant be found guilty or innocent? Your performance will help determine the verdict!
*	<b>Musing with Muggles</b>	Which Hogwarts house is best? Which <i>Harry Potter</i> book was best? Should Harry have ended up with Hermione or Ginny? Aren't these burning questions you've always wanted to hash out? Join us for "Musings with Muggles" as we analyze and critique different aspects of the Harry Potter canon. Learn what makes a good debate, some logical fallacies to avoid when debating, and try choosing an opposite viewpoint than one you hold. This class will dive into some great concepts as we have fun debating!
*	<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 goddesses from Greek, Roman, Egyptian and Norse mythology? Explore and learn about mythology from many cultures, study family trees from different cultures, and complete an in-depth study of several mythological beings.

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	<b>Native American Impacts on U.S. History</b>	Do you ever wonder who was here before you? Who may have walked the land where your house, school or town was built? Who some of the first people were to influence our country through development, food and art? In this class students will learn the roles Native Americans played in shaping US history, in addition to exploring the differences amongst tribal groups within the United States. Students will have the opportunity to research and then apply their learning through poetry, drawing, etc. Come uncover the past!
*	<b>Newfangled Fairy Tales</b>	Happily Ever After – we all know that’s how it ends. But do you know the real stories behind these classics? And how do these tales even relate to today’s cell-phone carrying, tech-savvy kids? Students will discuss what these classic fairy tales can still teach us, and then write and perform their own fairy tales that future generations will never forget!
*	<b>Origami 101</b>	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! Take home several completed projects.
*	<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>Phenomenal Physics</b>	Throughout this course, students will engage in the concepts of physics by exploring the phenomena of the world around them. Students will participate in hands-on activities to investigate things like gravity, forces, kinematics, and everything in between. Each day will offer a new and exciting learning opportunity with a chance to apply your understanding of physics through competitions and challenges.
*	<b>Plays, Shows and Movies – Oh My! Writing for the Screen and the Stage</b>	Great Plays, Shows, and Movies all start with an idea which transforms into a script for directors, producers, and actors to use to bring characters, setting, and dialogue to life. In this course learn how to write scripts and screenplays. Writing plays a huge role in the entertainment industry and who knows you might become Hollywood’s next big writer!
*	<b>Poetry Café</b>	Come experience poetry in a unique environment where everyone is a poet. We will immerse ourselves in poetry of all kinds and build a community of writers who care for each other. Poetry is man’s inner self trying to get out. Explore what your inner self is saying to you!

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*	<b>Pysanky – Ukrainian Egg Art</b>	Take part in a beautiful, centuries-old Ukrainian art tradition! Pysanky are real, hollow eggs dyed with a wax-resist method. In this class, students will learn about pysanky's ancient roots, its adaptation through Christianity, and how Ukrainian artists persevered during the Cold War. Using traditional tools and practices, each student will craft their own collection of pysanky to take home at the end of the session.
*	<b>Readiness for the Real World</b>	It is never too early for students to start thinking about what it means to be ready for the real world. In this course, students will learn the steps that it takes to get a job as well as how to center their thinking around their future. While this seems like a daunting task for middle school students, we keep it light-hearted and brainstorm possible steps to take now to build their experiences.
	<b>Secret Codes and Silent Heroes of WWII</b>	When you think of World War II, what first comes to mind? Perhaps you think of Pearl Harbor, the atom bomb, or the Allied and the Axis Powers. You might even think about Anne Frank, or Japanese internment in the US. In this class, expand on your knowledge of WWII, learning of the voices that you may not have heard of before. From the Tuskegee Airmen, to the Navajo Code Talkers, the Nisei, and more. Expand your knowledge of the events and people involved in this world war.
	<b>Serving Up Ratios and Fractions in the Cooking World</b>	Ratios and Fractions: two things we use in our world each day. With that in mind, have you ever wanted to know if Skittles and M&M candy are proportional in color and amount per bag? Or have you ever wondered how to change the proportions of a recipe either smaller or larger? We will study ratios and fractions in the cooking world by cutting up (and perhaps cooking up) some recipes and proportional food servings. Come learn about how we use Math daily in the real world and learn some easy recipes you can make at home.
*	<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>Smash Journaling - Creative Writing Meets Art</b>	Do you enjoy documenting your life, interests, trips, feelings in the form of both art and writing? Then Smash journaling is for you! The workshop atmosphere will lend itself to a lot of reflection and creativity. You will receive a blank journal at the beginning of the week that will come to life as the session progresses.
	<b>Stars and Constellations</b> <i>Offered during Early Bird ONLY</i>	Look to the sky to explore the constellations of the Iowa summer night while learning more about the mythology and stories behind those stars and constellations.
*	<b>Sumi-e Ink Painting</b>	Sumi-e, also called Suiboku-ga, is the art of ink wash-painting. Characteristically, it is an East Asian art, and has been practiced there for well over a thousand years. Sumi-e depicts the spirit or essence of an object or scene rather than its outward appearance — and does so in the fewest possible brush strokes. Because of this simplicity, the painter's character and personality come through in his/her work. In both viewing and creating, Sumi-e is a very contemplative form of painting.

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Art	Course Titles	Course Descriptions
*	<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>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>Wild World of Sculpture</b> <i>Also offered during Early Bird</i>	Students will be creating sculptures using a wide array of materials with an emphasis on exploration and creativity in a three dimensional space. This is a very open-ended class with most days having a focus on creating.
*	<b>A World on the Brink: Dystopian Story Telling</b>	Imagine a world much like our own, torn apart by destruction and injustice. What would that look like? Dystopian Fiction has been captivating minds for decades, let's take a look and see if you can craft your own story of an apocalyptic future using literature, history, and creative thinking! We will use general writing techniques and introduce elements to create graphic novels!
*	<b>Zentangle Doodling</b> <i>Offered during Early Bird ONLY</i>	Have you always wondered how to create the detailed patterns found in all of those fancy coloring books? Learn how to create doodles called zentangles! Become a zentangle doodling master while designing artwork images of your own choosing.

**Course Offerings per Period on next page...**

**Legend:**

\* = Art classes

Early Bird classes = noted within course titles

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- **Course Descriptions**
- **Course Offerings per Period**

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## Course Offerings per Period **UPDATED March 7, 2023**

**Classes listed below still have openings! Unlisted classes have been filled. Contact Susie Green after completing your registration to be added to any specific class period waiting lists. Thank you!**

[sgreen@gwaea.org](mailto:sgreen@gwaea.org)

The online registration system requires students to select one course for each period of the day (Period 1, Period 2, Period 3; Early Bird is optional). Below is the listing of courses offered per class period.

Note: Any class periods that do not reach the necessary enrollment capacity to be viable will be cancelled and removed from the registration system. (If you register for a class that does not reach minimum capacity, you will be contacted to adjust your schedule.)

Session	Course Title	Period	Start	End
	<b>Session A: June 20-30</b>			
	<b>Early Bird: June 20-30</b>			
A	Early Bird-Let's Get to the Point: Embroidery*	Early Bird	7:45	8:20
A	Early Bird-Little House on the Prairie - Early Bird Book Club*	Early Bird	7:45	8:20
A	Early Bird-Wild World of Sculpture*	Early Bird	7:45	8:20
A	Early Bird-Zentangle Doodling*	Early Bird	7:45	8:20
	<b>Period 1: June 20-30</b>			
A	P1-Acting the Song: Musical Theatre*	Period 1	8:30	9:37
A	P1-Archaeology of Iowa	Period 1	8:30	9:37
A	P1-Architectural Kitchen Design*	Period 1	8:30	9:37
A	P1-Digital Master Class: Black & White Photography*	Period 1	8:30	9:37
A	P1-Exploring Biotechnology	Period 1	8:30	9:37
A	P1-Fun with Textiles	Period 1	8:30	9:37
A	P1-Genetics	Period 1	8:30	9:37
A	P1-Geometry	Period 1	8:30	9:37
A	P1-Inspiring the Writer Within*	Period 1	8:30	9:37
A	P1-Math Circuit Circus	Period 1	8:30	9:37
A	P1-Meditation, Mindfulness and Yoga*	Period 1	8:30	9:37
A	P1-Musing with Muggles*	Period 1	8:30	9:37
A	P1-Origami 101*	Period 1	8:30	9:37
A	P1-Plays, Shows and Movies-Oh My! Writing for the Screen and the Stage*	Period 1	8:30	9:37
A	P1-Poetry Cafe*	Period 1	8:30	9:37
A	P1-Pysanky - Ukrainian Egg Art*	Period 1	8:30	9:37
A	P1-Readiness for the Real World*	Period 1	8:30	9:37
A	P1-Secret Codes and Silent Heroes of WWII	Period 1	8:30	9:37
A	P1-Serving Up Ratios and Fractions in the Cooking World	Period 1	8:30	9:37
A	P1-Smash Journaling*	Period 1	8:30	9:37
A	P1-Wild World of Sculpture*	Period 1	8:30	9:37

**Session A = Tuesday, June 20-Friday, June 30**

**Session B =Monday, July 10-Thursday, July 20**

Program Times = 8:30am-12:07pm (Early Bird Classes = 7:45am-8:20am)

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Session	Course Title	Period	Start	End
	<b>Period 2: June 20-30</b>			
A	P2-P3-History Alive! Through Digital Design (2-hour block)*	Period 2	9:45	10:52
A	P2-Acting the Song: Musical Theatre*	Period 2	9:45	10:52
A	P2-Adventures in Philosophy	Period 2	9:45	10:52
A	P2-Archaeology of Iowa	Period 2	9:45	10:52
A	P2-Architectural Kitchen Design*	Period 2	9:45	10:52
A	P2-Exploring Math Found in Nature*	Period 2	9:45	10:52
A	P2-Genetics	Period 2	9:45	10:52
A	P2-Inspiring the Writer Within*	Period 2	9:45	10:52
A	P2-Intro to German	Period 2	9:45	10:52
A	P2-Musing with Muggles*	Period 2	9:45	10:52
A	P2-Newfangled Fairy Tales*	Period 2	9:45	10:52
A	P2-Plays, Shows and Movies-Oh My! Writing for the Screen and the Stage*	Period 2	9:45	10:52
A	P2-Poetry Cafe*	Period 2	9:45	10:52
A	P2-Pysanky - Ukrainian Egg Art*	Period 2	9:45	10:52
A	P2-Readiness for the Real World	Period 2	9:45	10:52
A	P2-Serving Up Ratios and Fractions in the Cooking World	Period 2	9:45	10:52
A	P2-Smash Journaling*	Period 2	9:45	10:52
A	P2-Tai Chi, Martial Arts & the Power of Positive Thinking*	Period 2	9:45	10:52
	<b>Period 3: June 20-30</b>			
A	P2-P3-History Alive! Through Digital Design (2-hour block)*	Period 3	11:00	12:07
A	P3-Archaeology of Iowa	Period 3	11:00	12:07
A	P3-Architectural Kitchen Design*	Period 3	11:00	12:07
A	P3-Exploring Math Found in Nature*	Period 3	11:00	12:07
A	P3-Exploring the Voices of the Holocaust	Period 3	11:00	12:07
A	P3-Genetics	Period 3	11:00	12:07
A	P3-Inspiring the Writer Within*	Period 3	11:00	12:07
A	P3-Intro to German	Period 3	11:00	12:07
A	P3-Introduction to Ceramics - Hand-Building Functional Art*	Period 3	11:00	12:07
A	P3-Mixed Media Art*	Period 3	11:00	12:07
A	P3-Musing with Muggles*	Period 3	11:00	12:07
A	P3-Native American Impacts on U.S. History	Period 3	11:00	12:07
A	P3-Newfangled Fairy Tales*	Period 3	11:00	12:07
A	P3-Pysanky - Ukrainian Egg Art*	Period 3	11:00	12:07
A	P3-Readiness for the Real World*	Period 3	11:00	12:07
A	P3-Serving Up Ratios and Fractions in the Cooking World	Period 3	11:00	12:07
A	P3-Smash Journaling*	Period 3	11:00	12:07
A	P3-Tai Chi, Martial Arts & the Power of Positive Thinking*	Period 3	11:00	12:07
A	P3-A World on the Brink: Dystopian Story Telling*	Period 3	11:00	12:07

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Session	Course Title	Period	Start	End
	<b>Session B: July 10-20</b>			
	<b>Early Bird: July 10-20</b>			
B	Early Bird-Dungeons & Dragons Level 1: Would You Like to Play a Game?*	Early Bird	7:45	8:20
B	Early Bird-Let's Get to the Point: Embroidery*	Early Bird	7:45	8:20
B	Early Bird-Little House on the Praire - Early Bird Book Club*	Early Bird	7:45	8:20
B	Early Bird-Math Circuit Circus	Early Bird	7:45	8:20
B	Early Bird-Math Power	Early Bird	7:45	8:20
B	Early Bird-Meditation, Mindfulness and Yoga*	Early Bird	7:45	8:20
B	Early Bird-Wild World of Sculpture*	Early Bird	7:45	8:20
B	Early Bird-Zentangle Doodling*	Early Bird	7:45	8:20
	<b>Period 1: July 10-20</b>			
B	P1-Acrylic Craze*	Period 1	8:30	9:37
B	P1-Acting the Song: Musical Theatre*	Period 1	8:30	9:37
B	P1-Architectural Kitchen Design*	Period 1	8:30	9:37
B	P1-The Art of Hand Lettering*	Period 1	8:30	9:37
B	P1-Dissection	Period 1	8:30	9:37
B	P1-Engineering Design: Develop a Card Game	Period 1	8:30	9:37
B	P1-Exploring Biotechnology	Period 1	8:30	9:37
B	P1-Exploring the Voices of the Holocaust	Period 1	8:30	9:37
B	P1-Forensic Science	Period 1	8:30	9:37
B	P1-The Feudal Game - A Simulation Set in Ancient China	Period 1	8:30	9:37
B	P1-Genetics	Period 1	8:30	9:37
B	P1-Inspiring the Writer Within*	Period 1	8:30	9:37
B	P1-Japanese	Period 1	8:30	9:37
B	P1-Math Circuit Circus	Period 1	8:30	9:37
B	P1-Meditation, Mindfulness and Yoga*	Period 1	8:30	9:37
B	P1-Mixed Media Art*	Period 1	8:30	9:37
B	P1-Mythology*	Period 1	8:30	9:37
B	P1-Native American Impacts on U.S. History	Period 1	8:30	9:37
B	P1-Origami 101*	Period 1	8:30	9:37
B	P1-Phenomenal Physics	Period 1	8:30	9:37
B	P1-Poetry Cafe*	Period 1	8:30	9:37
B	P1-Pysanky - Ukrainian Egg Art*	Period 1	8:30	9:37
B	P1-Readiness for the Real World*	Period 1	8:30	9:37
B	P1-Serving Up Ratios and Fractions in the Cooking World	Period 1	8:30	9:37
B	P1-Smash Journaling*	Period 1	8:30	9:37
B	P1-Wild World of Sculpture*	Period 1	8:30	9:37
B	P1-A World on the Brink: Dystopian Story Telling*	Period 1	8:30	9:37
	<b>Period 2: July 10-20</b>			
B	P2-P3-History Alive! Through Digital Design (2-hour block)*	Period 2	9:45	10:52
B	P2-Acting the Song: Musical Theatre*	Period 2	9:45	10:52

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Session	Course Title	Period	Start	End
B	P2-Architectural Kitchen Design*	Period 2	9:45	10:52
B	P2-The Art of Hand Lettering*	Period 2	9:45	10:52
B	P2-Dissection	Period 2	9:45	10:52
B	P2-Dungeons & Dragons Level 2: Building the Story!*	Period 2	9:45	10:52
B	P2-Engineering Design: Develop a Card Game	Period 2	9:45	10:52
B	P2-Exploring Biotechnology	Period 2	9:45	10:52
B	P2-Exploring Math Found in Nature*	Period 2	9:45	10:52
B	P2-Genetics	Period 2	9:45	10:52
B	P2-Geometry	Period 2	9:45	10:52
B	P2-Inspiring the Writer Within*	Period 2	9:45	10:52
B	P2-Japanese	Period 2	9:45	10:52
B	P2-Musing with Muggles*	Period 2	9:45	10:52
B	P2-Mythology*	Period 2	9:45	10:52
B	P2-Newfangled Fairy Tales*	Period 2	9:45	10:52
B	P2-Pastel Chalk and Charcoal*	Period 2	9:45	10:52
B	P2-Poetry Cafe*	Period 2	9:45	10:52
B	P2-Pysanky - Ukrainian Egg Art*	Period 2	9:45	10:52
B	P2-Readiness in the Real World*	Period 2	9:45	10:52
B	P2-Secret Codes and Silent Heroes of WWII	Period 2	9:45	10:52
B	P2-Serving Up Ratios and Fractions in the Cooking World	Period 2	9:45	10:52
B	P2-Smash Journaling*	Period 2	9:45	10:52
B	P2-Tai Chi, Martial Arts & the Power of Positive Thinking*	Period 2	9:45	10:52
B	P2-A World on the Brink: Dystopian Story Telling*	Period 2	9:45	10:52
	<b>Period 3: July 10-20</b>			
B	P2-P3-History Alive! Through Digital Design* (2-hour block)	Period 3	11:00	12:07
B	P3-Architectural Kitchen Design*	Period 3	11:00	12:07
B	P3-The Art of Hand Lettering*	Period 3	11:00	12:07
B	P3-Dissection	Period 3	11:00	12:07
B	P3-Engineering Design: Develop a Card Game	Period 3	11:00	12:07
B	P3-Exploring Biotechnology	Period 3	11:00	12:07
B	P3-Exploring Math Found in Nature*	Period 3	11:00	12:07
B	P3-Fun with Textiles*	Period 3	11:00	12:07
B	P3-Genetics	Period 3	11:00	12:07
B	P3-Geometry	Period 3	11:00	12:07
B	P3-Inspiring the Writer Within*	Period 3	11:00	12:07
B	P3-Japanese	Period 3	11:00	12:07
B	P3-Math of Monkey Business	Period 3	11:00	12:07
B	P3-Musing with Muggles*	Period 3	11:00	12:07
B	P3-Mythology*	Period 3	11:00	12:07
B	P3-Newfangled Fairy Tales*	Period 3	11:00	12:07
B	P3-Phenomenal Physics	Period 3	11:00	12:07

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Session	Course Title	Period	Start	End
B	P3-Plays, Shows and Movies-Oh My! Writing for the Screen and the Stage*	Period 3	11:00	12:07
B	P3-Pysanky - Ukrainian Egg Art*	Period 3	11:00	12:07
B	P3-Readiness for the Real World*	Period 3	11:00	12:07
B	P3-Secret Codes and Silent Heroes of WWII	Period 3	11:00	12:07
B	P3-Serving Up Ratios and Fractions in the Cooking World	Period 3	11:00	12:07
B	P3-Smash Journaling*	Period 3	11:00	12:07
B	P3-Sumi-e Ink Painting*	Period 3	11:00	12:07
B	P3-Tai Chi, Martial Arts & the Power of Positive Thinking*	Period 3	11:00	12:07

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