

# 2018 COLLEGE 4 KIDS COURSE OFFERINGS

## FINE ARTS (FA)

### A World of Music

*Instructor: Steve Jackson*

This course explores music in history, in different places in the world, and in our own environment. Activities will include listening to various types of music but also the exploration of how sound can be created using materials in the environment. Students will have the opportunity to create basic musical instruments using ordinary materials, and they will have the opportunity to come up with their own compositions that can involve other members of the class, with performances of their music taking place at the end of the course. No music training is required for this course. (hour 2 & 3)

### Amigurumi Crochet

*Instructor: Kathleen Bashem*

"Amigurumi" is the Japanese art of crocheting small animals and inanimate objects. The word combines "ami" (meaning crocheted) and "nuigurumi" (meaning stuffed doll). Students will learn basic Tunisian and single crochet stitches and how to follow a pattern to construct typical amigurumi. They will also dye their own yarn! Expand your skills in a fun direction, and make some new friends (literally!). Returning students welcome to repeat the class. (hour 1)

### Art 101

*Instructor: Colleen Noonan*

Art is for everyone and so is this course! This hands-on course will be packed with several art experiences where you get to try drawing, painting, building, and much more. This course will have a focus on exploration of many art mediums and the discovery process. Students will use their own ideas combined with teacher guidance. Students will have the chance to experiment with art materials and also produce finished artworks. Student will be engaged by a knowledgeable and enthusiastic art instructor! If you enjoy art, you will enjoy this course. Returning students are welcome to repeat the course. We will have all new projects! (hour 1, 2, & 3)

### Be An Artist *(suggested for grades 6-8)*

*Instructor: Sarah Myer*

Bring your pencil and an your creative side! Students will develop their artistic skills. We'll take a look at some famous artist, develop opinions, and construct artworks. Projects provided will include a look around the world's cultures. We'll create, draw, paint, and construct some great things while using the elements and principles of art. (hour 3)

### Bookmaking *(suggested for grades 6-8)*

*Instructor: Wendy Park*

In this class students will be introduced to the art of bookmaking as they learn a variety of techniques to create their own hand-bound books for writing, sketching or journaling. Young artists in this class will learn several binding techniques as well as how to create a professional looking hardcover. They will also use a variety of media to create personalized covers and endpapers. Bookmaking is a fun and accessible art for anyone who enjoys attention to detail, being creative, and getting quite sticky with glue. This class is most appropriate for book lovers and artists in upper elementary or middle school as some sharp tools will be used. Students will leave the bookmaking class with an assortment of handmade books and the skills to make more at home. (hour 2)

### Dance on Broadway

*Instructor: Elizabeth Smith*

You can't stop the beat as you learn to dance to songs from Broadway's rock'n'roll musicals! From Jersey Boys and Mamma Mia to Matilda and School of Rock. The class will emphasize theatre dance and jazz styles in a fun, creative, and encouraging environment. Perfect for boys and girls who love to dance and have a flair for the dramatic! Get ready to move it and grove it as we learn new dance moves each day! We will also watch some of the most popular and famous dance scenes on Broadway. A choreographed dance with speaking parts will be performed on the last day. No dance experience is required. Come ready to move and have fun! (hour 2 & 3)

### Dream Weavers

*Instructor: Kathleen Bashem*

Dream Weavers is the class for the student interested in learning the basics of weaving! Weaving is a fun way to "free your inner fiber artist." Want to know the difference between your warp and your weft? This is the place for you! Students will use a cardboard loom to learn basic weaving techniques including plain tabby, vertical tabby and Rya knotting. They will learn color combinations, patterning and dye yarn, too! Students may choose a mug rug or wall hanging as a final project. Join Dream Weavers and turn your yarn art dreams into reality! Returning students are welcome to repeat the class. (hour 2)

### Drum Line *(suggested for grades 6-8)*

*Instructor: Jill Marasa*

Drum Line is a performance based class where students will learn the playing technique of Marching snare drum, tom-toms, bass drums, crash cymbals and bells. Students will learn drum line scores during class and will perform them on

the last day of classes. Students will need some prior experience with reading simple percussion rhythms and through the class will learn how to count from rhythms easy to medium difficulty. This is a great class to prepare your drum line skills for high school. (hour 3)

### Drummin' Wild Drum Circle!

*Instructor: Jill Marasa*

Share your Drummin' Wild skills with your friends in a drum circle ensemble where you will get the chance to play many cool drums and more! You will learn to play drums such as conga, bongos, timbales, talking drum, tubanos, shekeres, african bells, guiros, temple blocks, plus all the smaller percussion instruments too! We'll be playing non-traditional rhythm instruments that make sounds you'll want to hear and experience. Come share your wild drummin' skills in the Drummin' Wild Drum Circle. (hour 2)

### How To Be An Artist

*(suggested for grades 3-5)*

*Instructor: Sarah Myer*

Pick up your pencil and paintbrush, we're going on an adventure! Together we'll create masterpieces to hang on the walls. We will study artists, go back in history, and compare various artworks. Once we have looked at all of this we will begin great art of our own. Projects for this class will include drawing, construction, printing, and creating. Students will be able to build upon their current skills to develop their understanding and appreciation for visual arts. (hour 1 & 2)

### Jazz Ensemble

*Instructor: Steve Jackson*

This is a music performance course in which students will learn a few tunes of basic jazz repertoire, with a performance at the end of the course. Students who have some music experience, whether on instruments or as vocalists, are welcome. Students with no music experience but who are interested in learning this style of music are also welcome, though all will join in performing. Music sight reading skills are helpful but not necessary. Students who play an instrument are encouraged to bring their instrument (pianists need not do so). (hour 1)

### Knit Wits

*Instructor: Kathleen Bashem*

Knit Wits are some of the brightest fiber artists around! Knitting is one of the most popular and useful art forms in the U.S. It's definitely not your grandmother's pastime any more! In this class, students will learn beginning knit stitches and work on simple knitting projects while learning a fun skill that lasts a lifetime! Students will also dye

their own yarn! You will love being able to say, “I made it myself!” Returning students are welcome to repeat the class. (hour 3)

### **Make a Comic Book**

*(suggested for grades 6-8)*

*Instructor: John Muth*

In this class you will learn how comic books are made, some history, and the different types of comic books there are in the world (there are more than just superheroes!). And then you'll make your own 8 page comic that will go into a class anthology of all the comics with a custom-made cover just for this year's class! (hour 2)

### **Make a Movie** *(suggested for grades 6-8)*

*Instructor: John Muth*

A course designed to walk you through the process that most filmmakers follow to make short or feature length films. But on a smaller scale. Through the class you will learn how to pitch an idea, come up with the roles in your filmmaking group, put together a script and marketing materials, and make your own short film. At the end of the week, we will have a private review showing of the films to receive feedback (called “notes” in the business), and on the last day of class we'll premiere your films to your friends and families. (hour 1)

### **Photography is Fun!**

*Instructor: Tom Foley*

A hands on class all about photography, from the history of the first photo made in France in 1826, to making better photos with a cell phone. Students will make their own unique photograms in a real black and white darkroom. Other discussion topics will include sheet film cameras, interchangeable lenses, medium format cameras, 35 mm cameras, studio lighting, electronic flash, time exposures, photographic composition, and multiple exposures. (hour 1, 2, & 3)

### **Unusually Grimm Theater Kids**

*Instructor: Elizabeth Smith*

Did you know the Brothers Grimm wrote a lot of stories? You might be familiar with Little Red Riding Hood, but have you heard of The Mouse, the Bird and the Sausage? We will adapt their lesser known tales to create an original kids theater production on the last day of camp. Kids will have a great time exploring the theater stage through, movement, games and exercises. Kids will learn techniques for having a great audition and will be given a chance to audition for a part in our own production. Enjoy the fun and excitement of the theater with no pressure. Perfect for all ages and with or without theater experience. (hour 1)

## **HUMANITIES/SOCIAL SCIENCES/LANGUAGES**

### **Adventures in Chinese!**

*Instructor: Nicholas Dilley*

This class is designed to get students excited about learning another language. Throughout the course, we will look at the writing system, tonal pronunciation, survival phrases, and some culture. Since this course only lasts two weeks, focus will be placed on providing students context for studying Chinese specifically, but also foreign languages in general. (hour 2)

### **Ancient Greek Mortals, Monsters, Gods, and Heroes**

*(suggested for grades 6-8)*

*Instructor: Hilary Lehmann*

This is an experience-based class for middle-school-aged students to learn about ancient Greek language, culture, art, and mythology. Students will learn the Greek alphabet and basic conversational phrases, take on ancient Greek personas and learn about their daily lives, study Greek mythology, and be able to identify the gods and heroes on Greek vase paintings. By the end of the class, everyone will design and paint their own Greek pot based on what they've learned in the class. Caveat: because we will be looking at authentic Greek works of art which occasionally feature more mature themes, this class is restricted to 6th-8th graders. (hour 2)

### **Beyond the Books - Harry Potter N.E.W.T. level**

*Instructor: Beth Buck*

This course is a discussion-based class for students who have read the books and are ready for the challenge of delving deeper into the series. We will examine some of the themes J.K. Rowling presented in the series and think about what we can learn from them. We will look at how she uses language and what clues she plants with it. We will create and run our own book-inspired businesses and celebrate with an “end-of-term” banquet. Come be an ultimate fan! (hour 2)

### **Beyond the Books - Harry Potter: O.W.L. level**

*Instructor: Beth Buck*

In Beyond the Books - Harry Potter: O.W.L. level we will explore “Muggle” versions of the classes students in Harry's world take—herbology, charms, astronomy and more! We will also take look at a movie version of a story and see how it compares to the book. This activity-based class is meant for students who are fans of the Harry Potter books, but who may not yet have completed the series. Could you survive a Hogwarts potions class? Come give it a try! (hour 1)

### **Beyond the Books: Percy Jackson Camp Half Blood**

*Instructor: Beth Buck*

Do you sometimes have trouble concentrating in class? Do you think your teachers might secretly be monsters? Could you possibly have secret powers? Perhaps this outpost of Camp Half-Blood is for you...You might be claimed for a “cabin,” explore your Greek roots, and play “Capture the Flag.” By the end of the camp, we'll be a little bit blue. (hour 3)

### **Can your Colony Survive?**

*(suggested for grades 3-5)*

*Instructor: Heather Hellenga*

In this simulation activity, teams of students form “colonies” and try to ensure the success of their settlements in the New World. Students decide on cargo and use map skills in order to cross the Atlantic and choose a site for their new colony. While role-playing colony leaders, mappers, and traders, the “colonists” make decisions affecting the progress of their settlement. “Fate Cards” also affect the success and failure of each colony. The wealthiest colony at the end of the simulation wins. Interaction between the colonists and First Americans will be simulated through a culminating “Trade Fair,” where students will bring home-made/handmade items to trade with one another. (hour 1)

### **Es Romanus (Be a Roman!)**

*Instructor: Brian Tibbets*

We all have an image of ancient Romans walking through the forum in clean white togas, but is it really true? Come find out the way real Romans lived! We will explore daily habits of all aspects of Roman culture, from their names, to the way they dressed, to the food they ate, to the way they spent their free time. This hands-on course will allow participants to fully immerse themselves in the lives and culture of one of the most fascinating civilizations of the ancient world. (hour 1 & 2)

### **Fairy or Gnome Gardens**

*(suggested for grades 3-5)*

*Instructor: Cindy Ankeney*

In this class, students will read books about fairies and gnomes and then each student will start making a plan for their fairy or gnome garden. In this hands-on class, boys and girls will then create their very own enchanted fairy or gnome garden to take home. Materials (a few small plants and items) will be available to create your own magical world as well as objects made from natural materials you've collected. All you need to bring is your imagination. (Feel free to bring enchanted items you may already have at home and want to add to your garden.) We'll finish the class writing fairy/gnome journals or a book that can be taken home with the garden. (hour 1 & 2)

## **Give Me Liberty!** *(suggested for grades 6-8)*

*Instructor: Jon Crider*

Have you ever wondered what it was like to be in the American Revolution or to have been in Philadelphia during the writing of the Constitution? This unit will explore the life, culture, and experiences of the men, women, and children who participated in the creation of the United States. We will explore the causes of the American Revolution and some of the people involved from George Washington to the common soldier. We will also explore the debates surrounding the creation of the United States Constitution. Experience what life was like as a soldier: food, training, and the dangers of war. Experience what it would have been like to be a delegate to the Constitutional Convention in 1787 Philadelphia. The goal of this course to have a better understanding of the society and culture that created the United States. (hour 1)

## **Inspire your Desire to Write!**

*(suggested for grades 3-5)*

*Instructor: Heather Hellinga*

Students will explore a variety of writing activities with an emphasis on illustrating and enhancing their work with art. Students will be exposed to figurative language while we write like there's no tomorrow and create 'til the cows come home! This course will be packed with fun lessons that will inspire both your brain and your heart. Sound sappy? It won't be as we create noticing and list poems, personalized kites, chains of similes, masterpiece-inspired poetry and more! We'll knock this course out of the park as we invent jingles for edible oxymorons and have a blast as we get our creative juices flowing with "Dress like an Idiom Day!" Students will create their own writer's notebook to keep as we navigate the realm of writing, drawing, and creating together. The possibilities are endless! Students who have taken this class before are welcome to return as we will be keeping some favorites and adding new activities! (hour 2 & 3)

## **Now that's Italian!**

*Instructor: Monica Corsaro*

Learn in a fun way some vocabulary and phrases in Italian from a visiting Italian speaker and learn about the Italian culture that we have stolen (like our form of government, our water systems, and so much more) that we use today. And of course the food! Taste and see and we will even share with you some cooking secrets! (hour 2 & 3)

## **Seeing and Expressing: Poetry for Young Writers**

*Instructor: Nicholas Dilley*

This course is designed to help students establish a basis for writing poetry. Combining an age-appropriate workshop setting with readings and activities to help students flex their expressive language skills, students will participate in a variety of activities that allow them to explore meaning in language and express what they feel about the world around them. (hour 3)

## **Superheroes 101**

*(suggested for grades 6-8)*

*Instructor: Weston Oxley*

In this fun and creative class we will discuss and discover what makes a great superhero by looking at themes, stories, and ideals of various popular superheroes in a variety of media, contrasting them with their villains, and even creating your own superhero complete with back story and an arch nemesis through written and/or illustrated mediums. (hour 1)

## **The Wonders of Africa**

*Instructor: Yoknyam Dabale*

Africa is often viewed as a place of poverty and war. This course will challenge those stereotypes and give students a better understanding of Africa. We will discuss questions like: How does the world see Africa and why? What do Africans eat? Is Africa a jungle with lots of animals? Are Africans poor? What have Africans contributed to the world? Why do Africans come to the United States? (hour 2 & 3)

## **Ways of the Warrior**

*Instructor: Tina Hope*

Master the ways of the warrior through yoga. Learn about legendary warriors and leaders, such as Arjuna, from the Bhagavad Gita, as we practice breathing techniques and movement that condition the mind, body and heart. There will be an emphasis on awareness as we cultivate balance, strength, and flexibility and while we train in a sequence of peaceful warrior poses. We will culminate the experience in a series of strategic obstacle courses that will require focused intention, clarity of mind and strength of heart to become a certified Knox College for Kids Master Warrior. (hour 2)

## **You are an Author!**

*(suggested for grades 6-8)*

*Instructor: Nicholas Dilley*

Students will practice writing and analyzing in a workshop-style setting. Students will regularly write and revise their own creative works, and listen to other students present what they have created and offer feedback. Although the main goal of this course will be to support each student in writing their own stories (or other works), the class will also involve group writing and various activities to help students work creatively in group settings. (hour 1)

# SCIENCES & MATHEMATICS

## **Astronomy**

*Instructor: Mark Shroyer*

How did Galileo prove the earth is not the center of the universe? Why is the surface of Venus hot enough to melt lead? Why is Pluto no longer a planet? Why are there active volcanoes on Earth but not Mars? Through discussions, demonstrations, and experiments students will discover how scientists explore our universe and explain astronomical phenomena. Weather permitting we will have an evening viewing session for students and families. (hour 3)

## **Creating Computer Animations and Games**

*Instructor: David Bunde*

Come create a computer animation or a simple game in Scratch, a programming environment designed for young people. Students will learn important computing concepts in a fun way while making projects they can share with family and friends online. No programming experience necessary. (hour 1 & 2)

## **Dig into Garden Basics**

*Instructor: Christina Zolper*

Dig into Garden Basics, is a class for those interested in learning basic horticulture skills. This hands-on interactive class will take place on the Knox Farm where kids will learn how to: plant seeds, tend to crops, identify plants, build a worm composting bin, create a beneficial insect house, grow micro-greens as well as produce an individual herb or flower container for each person to take home. Throughout the two weeks, the kids will observe the lifecycle of food from seeds sprouting into micro-green all the way to worms creating soil out of kitchen scraps. Gardening is a lifelong skill that offers an abundance of educational, social and emotional benefits. When kids learn through gardens, it can impact their family, the community and the world around them. Whether you have a garden of your own or have never put your hand in the dirt, you have something to gain from this class. (hour 1, 2, & 3)

## **It's ALIVE!**

*Instructor: Samantha Leinbach*

A plant is a living, breathing organism that does so much more than provide our food. Plants also help the Earth grow strong too! Plants help keep our air clean just by breathing. They provide shelter to all sorts of creatures, including us! Plants can even help make water safe to drink. Through experiments, we will get our hands dirty and explore how plants protect our environment. So come learn how you can do your part as we plant seeds for a sustainable future. (hour 3)

## **Let's play with our food!**

*(suggested for grades 3-5)*

*Instructor: Cindy Ankeney*

Mom always says, "Don't play with your food." In

this course, that's exactly what we'll do—play with our food and while we're at it we'll learn loads of basic science. In this course you will use math and science to learn to measure correctly, change the size of a recipe, and learn what happens when ingredients are mixed or substituted. You will have fun working in teams as well as individually. There will be interactive games, experiments tastings, and creating your own snacks. You'll learn to make simple treats to eat or serve to others like eatable slime, homemade gummy worms, homemade ice cream, or solar smores. Students will have the opportunity to explore their creativity through making a variety of unique treats using items found in most kitchens like graham crackers, pretzels, icing, "dirt," and more. Using simple cake decorating tips students will create treats to share with their parents. (hour 3)

### **Magic**

*Instructor: Penny Wagher*

Have you ever watched a magician on TV or in person and wondered how the magic worked? In this class you will not only have those questions answered, but you will learn how to perform incredible tricks yourself. The tricks will use common materials that you can find around the house. Each magician will make their own magic kit and add several new tricks to it each day. Each evening you will be able to practice on your friends and family. On the final day a magic show will be held for the families. This could be the beginning of a new hobby. (hour 2)

### **Mythbusters**

*Instructor: Mark Shroyer*

Will my stomach really explode if I eat pop rocks and drink Pepsi? Would liquid nitrogen really cause a terminator to shatter? Do snakes really bite people more often at times when more ice cream is eaten? Combining a practical approach to science, hands on experiments and the scientific method, students will explore and engage with popular myths and see if they are "Plausible" or completely "Busted." Research will allow students to not only read about why things are true or not, but test it for themselves and gain a comprehensive understanding. (hour 2)

### **Rooted and Growing Naturally with Yoga and Herbs**

*Instructor: Tina Hope*

Explore the workings of breath in relation to the plants that grow around us. Engage in mindful movement as we learn optimal alignment to root and grow in sun salutations and blossom into trees, eagles, and dancers. Identify local plants and learn how they can be used in overall health and healing. Forage, wild craft, and prepare your own herbal remedies (herbal balms, teas, and infused herbal mists). Enjoy and embody the connections of yoga and herbs to nurture your heart, mind, and body. (hour 3)

### **Roughing It**

*Instructor: Jon Crider*

Do you want to learn more about surviving in the woods away from the conveniences of modern life? This unit will teach you how to keep yourself dry, fed, and not dead, while enjoying nature. We will what you need to know to go camping and/or backpacking. What clothes should you wear? What food should you bring? How do you set up a tent? How do you cook without a kitchen? How do you find clean water? What do you do if you are lost, hurt, or in danger? We will learn how to read a map and use a compass. Learn about Leave No Trace and the ethics of enjoying nature and preserving it for future generations. (hour 2 & 3)

### **Science of Light**

*Instructor: Mark Shroyer*

Some natural questions about light might include: Where do rainbows come from? What is color blindness? How do you make a telescope? It might surprise you that understanding light can also answer questions like: How hot is the sun? What is the atmosphere made of? How fast is the Andromeda galaxy moving with respect to our Milky Way? In this course we will investigate the science of light in an effort to understand the answers to these questions and more. This will include using microscopes and telescopes and using spectrosopes to investigate electrified gasses! (hour 1)

### **Sports in America and Around the World**

*Instructor: Damon Tomeo*

Sports in America will explore the different sports that are popular in the United State and in selected parts of the world. Rules, equipment, the history of each sport, current events, and sportsmanship will all be discussed and analyzed. In addition, we will investigate how certain sports are covered in the media. This course will include discussion, group activities, visual aids, and one short final project. (hour 1, 2, & 3)

### **Stand Up Paddle Boarding**

*Instructor: Kim Schrader*

Would you like to try walking on water? Then stand up paddle boarding (SUP) is for you! Using a surf style board and long paddle, stand up paddling can be done on almost any body of water. For this class, we will use Lay Natatorium. SUP is one of the fastest growing outdoor sports in the world—and a great way to improve balance and posture, while spending time on the water. In addition to being lots of fun, this class provides kids with a feeling of accomplishment. Program is designed to teach basic SUP and water safety. Learning is simple, but participants should be comfortable in the water and know how to swim. Students will need to bring a swimsuit or a change of clothes. Locker-room access will be provided. (hour 3)

### **Sweets and Treats with Mrs. Warnings**

*Instructor: Mary Warnings*

Do you love cooking shows? Come and learn how to make numerous treats and sweets with Mrs. Warnings. We will make a variety of treats using the tools, tips, and tricks that the pros use. (hour 1 & 2)

### **Unlimited Inventions**

*Instructor: Penny Wagher*

If you have ever wondered why or how machines work or are the type of person who enjoys making things and or taking them apart, then this is the class for you. Using German-made Capsela Building Sets, the students will learn how to construct, following diagrams, everything from basic cars to vacuum cleaners to cranes. All of which really move on land or in the water. Each capsule is constructed out of clear plastic so you can really see how a clutch or front wheel drives operates. Time will also be given to create your own inventions which can then be races for speed or distance. If you can imagine it, then you can build a working model. (hour 3)