

## ***College for Kids 2017 Course Descriptions***

**12-Hole Tenor Ocarina/Level 3 – Woodwind Family Instrument** - We will be playing the ‘sweet potato’ shaped Ocarina chosen by Koji Kondo as the instrument for the Video Game “Ocarina of Time”. This ancient woodwind is fingered similar to both the flute and saxophone. We will learn to read notes on the treble clef, TAB, plus much more as we learn to play! (Ocarinas are provided, but students may purchase their own.)

**4-Hole Ocarina/Level I - Woodwind from the Stone Age** - Have you ever played a Woodwind instrument? If not the 4-Hole Ocarina is a great ‘Pendant Style’ Woodwind to begin learning how to play! You will learn how to hold it like a “Hamburger”, put on your “tu tu”, and learn different folk, classical, and pop songs. (Ocarinas are provided.)

**6-Hole Tenor Ocarina/Level 2 – Woodwind Family Instrument** - Made popular today by the Zelda Video Game “Ocarina of Time” this 6-Hole Ocarina was invented in 1964 by John Taylor. Students will learn to read the treble clef and TAB plus basic music reading skills as play songs from many different styles. (Ocarinas are provided but students may purchase their own.)

**Adventures in East Asia** - Explorers welcome, as we investigate the fascinating geography of East Asia! Participate in activities and projects aimed at learning more about this unique part of the world!

**Adventures in Science**- Do you like science? Join us for this exiting class as we explore all things science!

**Amazing Animal Adaptations** - What is an adaptation? How do animals survive in very different regions of the world? Learn all about animal adaptations in this exciting class!

**Amazing Art** - Students will learn about the art of authors such as Eric Carle, Dr. Seuss, and many other authors. They will create their own amazing art each day.

**American Artists** - Learn about famous American artists, and try your hand at a variety of art projects! You bring the creativity, we’ll supply the materials!

**Amusement Park Science** - Students will learn basic physics and mathematics concepts while studying amusement parks and recreating some of the games and even some of the delicious food!

**Animal Homes** - Animals build some incredible structures to live in. We’ll examine a variety of animal homes, and try our hand at building a few!

**Animation and Invention** - Students will learn about the concepts behind animation and participate in fun invention challenges throughout the week.

**Art with many mediums** - Students will have a fun time creating art with many different mediums. Gain confidence using a variety of materials, and explore arts and your own style.

**Arctic Animals** - If you love the cold weather or just the animals that live in the cold then this one is for you! Students will explore, read, and research arctic animals as they create and learn more about these amazing creatures.

**Astronomy 101** - Students will learn basic astronomy concepts and use creative activities to differentiate between planets, stars, galaxies, and constellations.

**Ballet** – Join us in the gym as we learn the fundamentals of ballet technique. This class will also use creative movement to explore the beginning ballet structure.

**Beginning Guitar** - Have you ever dreamed of playing guitar in a Rock & Roll Band? Did your parents buy you a guitar and you need to know where to begin? This class is just what you need to get started! Using Hal Leonard's Essential Elements for Guitar you will learn your first chords and all the basics during this class. For this class **students are required to bring their own guitar**. (Class is limited to 9 students).

**Billy in Blunderland** - This year's theater camp for students in 4<sup>th</sup> & 5<sup>th</sup> grade will take on a creative twist on Alice in Wonderland. In Billy in Blunderland, a boy enters a wonderland and meets all sorts of characters who have been kicked out of fairytale land. Billy in Blunderland will be written and directed by Haley Pierce.

**Book Club** - If you love books, we need you in book club! Students will participate in thoughtful class discussions as we enjoy a classic novel. **Note: Students are strongly encouraged to sign up for Book Club Part I, and Part II.**

**Boom-Boing-hoBuzz** - Join us for another great week filled with the coolest science and techy stuff ever!

**Botany** - This course aims to provide students with the basics of plant life. During the course, they will learn: plant anatomy, plants used in making medicine, poisonous plant identification, and common plants found in Oklahoma.

**Bubbles & Blastoff** - How do bubbles stay together? Why do bubbles pop? Join us as we examine all things bubbles in this hands-on class.

**Build-a-Board Game** - Students will study current Board Games and use a creative process, S.C.A.M.P.E.R, with their peers to design a new game.

**Calligraphy** - Students will learn the basic strokes and writing technique for Italic, Old English, Copperplate, and Uncial fonts. Students will have ending projects of creating poetry, and writing invitations.

**Cartography** - *Cartography*, the science and practice of making maps, is a course designed to help your child navigate a world, which is becoming ever more reliant on automation and artificial intelligence. By the end of the course students will be able to: navigate with traditional paper maps, goggle maps, and apple maps, and navigate without a cell phone. A large emphasis of this class will be placed on learning to navigate without a cell phone. This is a great class for nature lovers and outdoorsmen/outdoorswomen!

**Chinese Paradise** - Now that more and more people would like to know about China and to learn the Chinese language, this class provides the kids with the opportunity to learn to speak basic Chinese, including Pinyin and daily life conversations. It also introduces to the students some fascinating cultural

elements about China, for example, food, festivals, fashion, crafts, history, etc. Welcome to "Chinese Paradise"!

**Climatology** - Drought, floods, tornadoes and blizzards...Earth's climate and the processes that affect it are complicated and fascinating! Learn how these processes affect our everyday lives through hands-on learning and fun experiments!

**Colonial Times** - What would it have been like to live in Colonial America? What would you wear, what games would you play and how would you live? These are only a few of the questions that we will find answers to in this class!

**Connected!** - Let's build a device from scratch that we can use anywhere in the world!

**Creation Station**- Do you like to build, design, and create? In creation station, let your imagination run wild as you engineer a variety of projects throughout the week!

**Creative Dance** - This is an exciting dance class for students that focuses on exploring fundamentals of bodily movement and movement all around us in a creative and fun way.

**Cut it Up Biology** - Students will explore Life Science concepts including plants, animals, genetics, and the environment through class discussions and group activities. The best part is getting to dissect some amazing specimens such as frogs, crickets, and worms!!

**Cyber Camp** - This camp provides hands-on activities in the fields of Cyber Security, Computer Science and Information Technology. Students will learn and apply basic concepts of programming, robotics, animation, graphics, and design from a series of gaming, modeling, and simulation activities, which explore how computers and cyber security can affect you! Cyber security topics covered include safe surfing practices, safe use of social media like Facebook, online gaming dangers and more.

**Dessert Theater** -Be a part of a delightful dessert theater production! During this production, girls will act as flowers and perform a ballet, while the boy act as weeds and are the villains with green spiked hair performing a rap. Students will perform at the end of the week, and serve guests desserts to enjoy while they watch the show.

**Discover Desserts** - Students will learn how to follow recipes and whip up some wonderful no-bake delicacies! Please keep in mind any food allergies before enrolling!

**Discovering Dinosaurs** - Who wants to be a paleontologist? Come explore the life of dinosaurs as we discover how dinosaur bones turn to fossils. Let's dig up the past and learn more about these extinct awesome animals!

**DIY Art** - If you super creative, this one is for you! Students will become the artist in creating their own masterpieces.

**Drawing and Sketching** - Every artist has to start somewhere! Explore the basics of art theory and practice while completing still-lives, portraits and learning about perspective, shading, and contrast.

**Ecosystems & Biomes** - In this amazing course, students will learn about the various biomes found across the planet. As they discover the different biomes, they'll encounter each biome's individually unique flora and fauna, as well as how each biome contributes to mankind's development and societal progress.

**Engineering Ancient Wonders** - The Great Wall of China, Pyramids of Giza, Stonehenge and the Taj Mahal are some of the amazing structures that have amazed humanity for thousands of years. Learn about the ancient engineering methods used to create these masterpieces while experimenting by creating your own engineered wonder!

Engineering Fairytales – We'll get creative and engineer structures from some of our favorite fairytales! Can you construct a wall that can withstand the Big Bad Wolf?!

**Environmental Science** - Students will think critically about the world around them, the consequences that our actions have on our planet, and develop solutions to different environmental problems. Students will learn about and conduct experiments related to different issues in environmental science including pollution, energy, ecosystems, and weather.

**Exploding Chemistry** - Get your gloves and safety goggles ready! Learning chemistry is fun when you get to perform the chemical reactions yourself! We will be talking about elements, compounds, polymers, and more. Come join us for an explosive experience. (All chemicals are non-toxic)

**Fairy Tale Drawing** - Students will learn how to draw the castles, dragons, and knights in shining armor of their dreams. All princes and princesses will love this drawing class!

**Fantastic Beasts and How to Make Them** - If your child is a Harry Potter fanatic and has recently seen "Fantastic Beasts and Where To Find Them" then this class is for them! Students will learn about animal adaptation through the theme of the Harry Potter spin off.

**Fantastic Forests** - Join us in the undergrowth while we explore plant classification, forest characteristics, photosynthesis, and plant reproduction. Students will participate in class discussions, peer activities, and lab activities. We will welcome a special guest from the Oklahoma Forestry Services in this class.

**Favorite Characters and Author Studies** - What stories have you enjoyed reading? Who are your favorite characters? Learn about authors and books with fun characters in this class.

**Five Senses** - Through experiments, hands-on activities, and games, discover the power of your senses. Find out if your senses work together, and explore what happens when one of our senses is taken away.

**Forensic Science** - A crime has been committed! Forensic Science invites students to conduct experiments, discover evidence, and help to solve a mystery to catch the culprit responsible. This class will focus on a single mystery that students will spend all week working to solve by investigating different kinds of forensic evidence including DNA, fingerprinting, crime scene investigation, and blood typing to build a case and solve the mystery.

**Game On!** – This year's theater camp for students in 1<sup>st</sup>-3<sup>rd</sup> grade will center around the baseball game scene from Charlie Brown. Game On will be written and directed by Haley Pierce.

**Gauging our Weather** - Discover the whirling world of weather through class discussions and hands-on activities related to clouds, weather instruments, weather patterns, and maps. Come find out why Oklahoma has such crazy weather and develop your own severe weather safety plan.

**Geology Rocks** - Uncover what lies beneath the surface while investigating minerals, rocks, fossils and more. We will also discuss movement in the earth's crust due to volcanoes and earthquakes. And don't forget about our natural resources found deep underground. Can YOU dig it?

**Giving Back: Kids for Canines** - This class is for anyone wanting to help make a difference. Students will participate in group activities that will help support A New Leash on Life. They will also get to meet some amazing canines that have special jobs in our community. Our fundraiser this summer will include the sale of "doggy bags" with fun treats for people and dogs!

**Government 101** - Laws are made, presidents are elected and Supreme Court cases are decided. The US government has grown since our country's founding in 1776. Students will better understand the core concepts, legal decisions and movements that define our government helping them be more proactive and aware citizens!

**Gross Anatomy** - Ever wondered what's on the inside?? Here is your chance to talk about how your body works while studying about the digestive system, nervous system, muscular system, and more. Come join our class and learn about all the awesome and disgusting things you didn't know about yourself.

**Hip-Hop Dance** - This is a fun introductory class for students to explore the basic rhythms and stylized movements of Hip-Hop. This class will use fun, energetic, and age appropriate music.

**History of the World** - This class invites students to explore the History of the World - no textbooks required! Students will engage in different kinds of activities to delve deep into humankind's most influential and important events over thousands of years in order to understand the world as it is today.

**History Rocks**- Learn about the important events that led to the Revolutionary War and the signing of the Declaration of Independence on July 4, 1776! You might even send a "Break-up" text to King George yourself!

**History's Mysteries** - Develop critical and creative thinking skills by investigating some of history's most fascinating unknowns!

**Intermediate Guitar** - If you have completed the Beginning Guitar class or have already learned some basic chords you are ready to level up! We will continue our studies in HAL Leonard's Essential Elements for Guitar with songs like American Pie and Every Breath I Take. More strumming technique, Power Chords and much more! **Students are required to bring their own guitar.** (Class is limited to 9 students).

**Intro to Camping** - This introductory course seeks to provide students with a working knowledge of nature, the outdoors, and the American pastime that is the hobby of camping. In this class, students will learn how construct campfires, put up tents, safely observe wildlife, find water, and arguably the most important, make delicious chocolaty S'mores.

**Intro to German** - With Germany having the fourth largest GDP on the globe it is fast becoming a country of great power and influence. This course aims to provide an introduction of the German language and culture to your child. Students will learn the phoneme and morpheme variations, the alphabet, basic useful phrases, and most importantly the amazing culture of Germany. The purpose of this course is to expose your child to languages and culture that they won't likely experience in Oklahoma. The course will culminate in a delicious day of German foods and sweets.

**Jazz Dance** - Learn the basic rhythms and stylized movements of Jazz! We will use fun, energetic, and age appropriate music.

**Kinesthetics** - Motion and movement are key parts of every sport and a healthy lifestyle. Learn what makes the body able to move and fun ways to keep active and healthy!

**Kitchen Chemistry** - Cooking up recipes in the kitchen! Students will learn recipes for fun science that they can share at home.

**Learning Spanish with Goldilocks** - Join Goldilocks and los tres osos as they share their adventures with you in Spanish. Imagine the fun you can have learning a language with the cast of characters from this familiar fairy tale!

**Learning Spanish with Little Red Riding Hood** - Join Little Red Riding Hood and el lobo malo as they share their adventures with you in Spanish. Imagine the fun you can have learning a language with the cast of characters from this familiar fairy tale!

**LEGO Challenge** - Do you think you are up to the challenge? This is a class filled with Lego blocks! We'll use Legos in a variety of activities that are sure to keep you wanting to build!

**LEGO Engineering** - Students will have the opportunity to get hands on and use their imaginations as engineers to build structures and learn problem solving skills in a fun and engaging environment. All engineering enthusiasts are welcome to build to their hearts content and learn about different engineering concepts in the process!

**Life Cycles** - Students will learn the stages of plant and animal life cycles. They will explore, discover, and investigate all the aspects of animal life.

**Math Art** - Discover the art of mathematics in 3-D! Students will design and build models that demonstrate geometric concepts and patterns. They will manipulate time and space while making origami, polyhedron balls, string art, and more.

**Mission Control** - 3..2..1. BLAST OFF!! Students will study NASA's Mission Control Center and NASA's projects and design and develop their own Mission to Space!

**Mystery Man and Wonder Woman** - Let's be real super heroes and save day with science and technology!

**Myth busters Jr.** - Inspired by the hit Discovery Channel series, this class invites curious minds to bust or confirm different questions in science. Students will conduct different kinds of experiments to discover what is fact--and what is myth.

**Natural Disasters** - Students will gather intel on the many destructive forces of nature! We will have class discussions and hands-on activities geared towards earthquakes, volcanoes, floods, severe weather, and more.

**Nature Escape** - Learn about nature through books, fun activities, and art!

**Ocean Exploration** - We'll learn all about oceans and the animals that live there!

**Oklahoma Animals** - Oklahoma is known for wide variety of animals that live here. Students will discover how living and nonliving things are connected in an ecosystem based on Oklahoma's wetlands.

**Oklahoma Heritage** - In this class, students are invited to explore the unique history of Oklahoma and other historic topics through living history, activities, crafts, and more!

**Our Founding Fathers**- Learn about Washington, Adams, Jefferson and many other founding fathers who contributed to making America the country it is today.

**Physics of Sports** - We may not realize it but motion, strength, throwing are all facets of sports...and physics! Learn through hands-on activities about how the laws of physics are key in being a successful athlete!

**Piano Lab** - This piano class introduces students to the world of music using listening activities and games. They'll learn the basics of rhythm, technique, pitch, and simple songs. Class size is limited to 10.

**Powerful Presentations** - In this digital age, it is important for students to know how to develop and present information through the use of technology and media. Join us in the computer lab and learn how to use presentation programs including Powerpoint, Prezi, and Kahoot!

**Presidents** - So you want to be president? Presidents have come in every variety. Students will celebrate the history of the most powerful position in the world.

**Recorders and Things** - Learn to play the recorder and other wacky instruments.

**Reptiles** - So what makes a reptile? Students will learn how to identify reptiles, what they eat, where they live, and how they interact with nature.

**Robots Robots Robots** - We're going to build robots to solve challenging tasks!

**S.T.E.A.M** - Students will learn about the subjects of Science Technology Engineering Art and Math while participating in fun activities.

**S.T.E.A.M Jr** - Students will learn about the subjects of Science Technology Engineering Art and Math while participating in fun activities.

**Save the Day!** - Let's use cool stuff like science and technology to solve real world problems and save the day!

**Science Galore** - Science is everywhere! In this class students will learn to ask questions, explain their observations, develop their own hypotheses, then test them through experimentation and observation.

**Science of Pokémon** - From Kanto and beyond, learn about the science behind Pokémon! Using hands-on experiments and activities, we'll explore the scientific concepts that can be found in Pokémon.

**Show Me a Story!** - There's more than one way to tell a story! Join us as we examine other ways to communicate! We will use the outdoors, drawings, hieroglyphics, and other found items to tell our stories.

**Sign Language** - Learn the basics of sign language using games, videos, and art projects, grow a vocabulary of words you can sign, and learn more about deaf culture.

**Simple Machines** - This course seeks to instruct students on the six classical simple machines of antiquity. Students will learn the history, science behind, and usage of the following machines: lever, inclined plane, screw, wheel & axle, pulley, and the pulley. The course will culminate with your child building their own simple machine and demonstrating its functionality.

**Skeletal Systems** - Students will study the bones of the human body by making puzzles and a life size model to take home.

**SMART Skills** - Students will learn life skills such as time management, budgeting, and even take a field trip to OCCC's Main Campus Automotive center to learn how to check vehicle fluids.

**Soprano Recorder...from the days of Bach!** - Did you know in the 16<sup>th</sup> century the Recorder was playing the music of Haydn in ensembles at parties? That's right! The Orchestra as we know it today did not begin to look like what we have today until about 1600. Come and learn how to play this Woodwind which is similar to the Clarinet! (Soprano Recorders will be provided during class.)

**Stitch It** - Ever lose a button?? Students in this class will learn basic hand-stitching techniques while designing their own creations such as pillows, wallets, facemasks, felt monsters, and more. Sewing kits will be provided.

**STOMP** - Did you know you can make music from anything?! Let's make awesome music with everyday objects.

**Story time Yoga** - Students will learn and meditate through yoga while being guided on an exciting new journey each class.

**Suessville** - Welcome to the magical world of Dr. Seuss! Students will read books by the famous author, use their imagination during writing assignments, and be creative with hands on activities!

**Superhero Reading** - Learn how to become a more powerful reader just like the Superheroes you love. We will focus on reading strategies and have fun in the process.

**The Art of Science** - Get creative as we examine the intersection of art and science! Students will design and create a variety of projects combining art and science throughout the week!

**The Impressionists** - Learn what it takes to be an artist such as Van Gogh, Matisse, Monet, and many more! Students will learn about several artists, the Impressionists movement and create original artwork based on these artists.

**The Work of Matisse** - We'll learn all about the artist Matisse, and try our hand at his techniques!

**Three Little Pigs** - Everyone has read the Three Little Pigs but we will examine different books written about them. We will become detectives and try to determine the true story of the Three Little Pigs.

**Ukulele...from the String family** - Aloha! Has your student ever played a string instrument? Ukulele is the perfect instrument for kids to explore the string family! Students will learn it's history, parts, chords, and strumming patterns as we learn fun songs. Class will perform for their parents on the last day of classes and share what they have learned! (Ukuleles are provided.)

**Under The Sea** - Students will learn about basic Biology, Chemistry and Anatomy concepts while playing with water, studying sea creatures, and even dissecting a squid!

**Urban Planning** - Cities don't just appear, they are built. Learn about the processes of urban development and design while cooperating with other students in designing your own city!

**Wacky Science** - Could your little one be the next Sir Isaac Newton? Students will learn how to use household products in wacky science experiments.

**Wacky Weather** - Snow, rain, sleet, clouds, lightening and hail all seem so exciting! Learn about the many aspects of weather through fun experiments and projects!

**What's in a Name-** Are you proud of your name? Have fun creating art with your name as the centerpiece in this class!

**World Geography** - The world is a large and fascinating place, learn about other countries, cultures and regions very different from your own. Students will learn about major countries and cultures in South America, Asia, Africa, Europe, and Australia and in doing so have a better understanding of the world they live in.

**World Music Camp (1<sup>st</sup>-3<sup>rd</sup> grade & 4<sup>th</sup> -8<sup>th</sup> Grade)** - Have you ever wanted to travel to Asia, Europe, South America or other places around the world? Come with us as we go on a musical journey and learn to play African Talking Drums, Djembe and Tubano Drums plus other percussion through their music! Week also includes fun "Music Game Breaks" and much more. Our journey will end with a performance on the last day of camp for family and friends. Come and join the fun! Instructor: Deborah Goodhead & Sally Mellon

**Writing 101** - Learn how to form good sentences and paragraphs as we write practice all kinds of writing.

**Writing with a Crafty Twist** - In this class students will learn how to take a short piece of writing and express that writing through the use of arts and crafts and their individual creativity.

**Zip-Zap-Zoom** - Wanna play with the coolest science and technology? Come join us!

**Zoology** - Love animals? Zoology invites students to learn about the behavior, structure, physiology, classification, and distribution of animals around the world. Students will conduct experiments and investigations to learn about the coolest, creepiest, and most dangerous animals on the planet.