Knox College 4 Kids

June 11 – June 22

8:30 a.m.-12:00 p.m.

2012 Catalog

KNOX
COLLEGE

WELLS
FARGO

Knox College4Kids – Junior Program: For rising first and second grade students

Talent development is as important for children leaving Kindergarten and first grade as it is for older students. In an effort to provide services to younger children, and to alleviate parental concerns, we have established a "set" junior program for rising first and second grade students. Each child in our junior program takes three classes, and is accompanied by teachers and REACH fellows at all time to ensure student safety. The classes explore literacy, numeracy, movement, and the arts and are differentiated to ensure an appropriate level of challenge for all students.

Course Offerings for rising third through ninth grade students

FINE ARTS

Fine Arts 201: Beginning Jewelry Making (John Van Nieuwenhuyse)

Have you been in a store and you could not afford an awesome bracelet or necklace? Well, not only are you going to be able to afford to have an awesome bracelet and necklace, you are going to be able to say that "I made them myself!" In this class we are going to start with an easy stretch bracelet and necklace and work our way up to some detailed and interesting jewelry. What about a matching ring or pendant? No problem, we can do that as well. The goal is to provide you with the skills so that you can go home and make some for yourself and maybe gifts for your family and friends.

Fine Arts 202: paper Crafting Pizzazz (Rebecca Rappenecker)

In this hands-on class students will learn different techniques for creating beautiful, one of a kind, paper crafts. We will learn basic techniques for creating cards, displays, and decorations. Students can then use their own imaginations to embellish their own unique works of art. We will start by making simple paper decorations including tissue paper pom-poms and lanterns using basic folding techniques while following simple step-by-step instructions. A banner and paper-bag book will be made using a die-cutting machine, punches, ribbon, rubber stamps, and other embellishments. Students will also have the opportunity to create additional paper crafts depending on the rate we progress throughout the class.

Fine Arts 203: Dream Weavers (Kathleen Bashem)

Dream Weavers is the class for the student interested in learning the basics of weaving! Weaving is a fun way to free the 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 tabby, basket weave and twining. They will learn color combinations, patterning, and dye yarn, too! Students may choose to make a mug rug or wall hanging as a final project. Join Dream Weavers and turn your yarn art dreams into reality!

Fine Arts 204: Becoming a Singer (Alison Meuth)

Becoming a Singer teaches the basics of singing technique and how the body works while singing. Students will learn an overview of different styles of music and how to prepare, sing and perform them. There will be a small recital at the end of the class. *Becoming a Singer* will also introduce basics in reading music and how to be a thoughtful listener. Students will end up with a small singing notebook that they could keep as a guide for their voice as the years go on.

Fine Arts 205: **Creative Theater for Kids** (Jennifer Smith MFA; Craig Choma MFA)

Class activities will focus on building performing skills as we explore improvisation games, investigate creative movement for the actor, and work with masks and other acting activities. Children will also get the unique opportunity to learn about designing for the stage as they are introduced to scenery, lighting, and costume design. All of this and more will be explored as the kids work together to develop their own performance of a particular story that will be presented for visitors at the end of the session.

Fine Arts 206: Make a Movie (Courtney Jude)

Make a movie from the bottom up. Students will start with an idea, develop it into a storyboard, make some props, write a script and then bring the entire project to life on the big screen. Students will develop the characters and cast the roles. Then the filming begins, followed by editing, and finishing touches, and finally the hours of work become a published work of art!

Fine Arts 207: Mixed Media Madness (Colleen Noonan)

This hands-on course will be packed with several mixed media art experiences. The course will have a focus on exploration of different art mediums. Students will use their own ideas as a catalyst for 3-D art, painting, drawing, computer art and collage. Students will have the chance to experiment with the art materials and also produce finished artworks. Students will be engaged by a knowledgeable and enthusiastic art instructor.

Fine Arts 209: **Photography, The Universal Language** (Tom Foley, B.A.)

Photography, the Universal Language is an introduction to photography. Students will make and develop their own black and white photograms in a darkroom. We will learn about the history of photography, from 1826 to the present, including digital, Exposure, camera handling, available light, lenses, and electronic flash will also be covered. Owning a camera is NOT required to attend this course.

Fine Arts 210: World Drumming: Calypso Music (Jill Marasa, M.M.E.)

Students will learn how to play the ratchet, vibraslap, castanets, finger cymbals, triangle, calves, hand drum, tambourine, wood slap, guiro, cabasa, shaker, African bells, cow bells, wind chimes, gong, xylophone, pod lids and pots, maracas, tempo blocks, snare drum, tenor drum, bass drum, suspended cymbal and crash cymbal through experiencing the wonders of Calypso Music. No previous music experience required!

Fine Arts 211 : Jazzin' it Up (Jill Marasa M.M.E)

In Jazzin' It Up, students will learn to perform in the Jazz swing style through movement, singing (scat singing) and playing. A cool jazz form, the blues, will be taught through listening and playing the chord changes on barred instruments (like the xylophone). Student will then be guided to compose their own blues song and perform it on their own instruments. (students who play an instrument already are encouraged to bring it to class) That jazzy swing feel will be learned on rhythm section instruments and played together in a jazz combo. Kids will learn how to improvise or create their own melodies in the jazz style. Prerequisite – One year of experience in a band, orchestra or choir.

Fine Arts 212: Digital Photography (Tom Foley, B.A.)

Digital Photography will teach students how to make better photos with their digital camera. Students will learn about rules of photographic composition by making photos on the Knox campus and printing them. Use of accessories, such as tripods and electronic flash will be discussed. **All students will be required to provide their own digital camera (not a cellphone) with a new or reformatted media card (SD cards are preferred) and a download cord or a card reader**

Fine Arts 213: Beyond Single Crochet (Kathleen Bashem)

Crochet, Too! is a great class for the budding yarn artist. Crocheting, along with knitting, has made a comeback in the U.S. and is now among our most popular and useful art forms. It's definitely not your grandmother's pastime anymore! Sign up to learn the foundational crochet stitches, work on a choice of simple crochet projects and experience yarn dying. You will be able to complete a useful project in class and take it home the very first day! You'll love being able to say, "I made it myself!"

Fine Arts 214: Amigurumi (Kathleen Bashem)

"Amigurumi" is the Japanese art of crocheting small animals and inanimate objects. The word combines the Japanese "ami" (meaning crocheted) and "nuigurumi" (meaning stuffed doll). In this class, students will dye yarn and learn to follow a pattern to construct typical amigarumi. This is not a beginning class --it is for the student who has completed the Crochet, Too! class or knows how to crochet well at the single-crochet level. Expand your skills in a fun direction, and make some new friends (literally)!

Fine Arts 215: Knox College4Kids Summer Band Ensemble! (Jill Marasa)

Come rock out with the new College for Kids Summer Band! We will be rockin' out on such tunes as "We will Rock You" , "The Hey Song", Twist and Shout", "Born to be Wild", Fun,Fun, Fun, "Everybody Dance Now" and more. The C4K Band will have rehearsals everyday for one hour and present their "concert on the lawn" outside of Jay rehearsal hall on the last day of C4K's. This new class is for all those students who currently play a band instrument: clarinet, flute, oboe, sax, trumpet, trombone, French horn, baritone, tuba, and percussion. Student will need to bring their instrument everyday to class and will be expected to practice at home to prepare for the next rehearsal. Educational Objectives: Students will expand their ensemble playing skills through the execution of new music and learn to play in "rock and roll" style, while developing and advancing their individual performance skills on their individual instruments.

Fine Arts 217: Moving Onward! (Kathleen Ridlon M.F.A.)

This course is designed for children in third through fifth grade

Students will explore how the body works through a series of exercises and games designed to introduce students to a variety of dance techniques. Class time will also be given over to a series of dance improvisation workshops – where students are encouraged to explore spontaneous movement choices. Throughout this course the students will collaborate with the instructor to create a series of short dances. On the final day of class family and friends will be invited to attend an informal showing.

HUMANITIES/SOCIAL SCIENCES

Humanities/Social Sciences 201: Science Fiction (Paul J. Marasa, M.A.)
Science fiction seems to be more popular now than ever. This course will examine what science fiction is and why we're so attracted to it. We'll look back on the history of science fiction in books, movies and TV, and try to define science fiction and explain our fascination with the tomorrows it offers. (NOTE: This class uses only G and PG rated movies, as well as the Star Wars series.)

Humanities/Social Sciences 202: **Heroes and Villains** (Paul J. Marasa, M.A.)
What makes someone a hero? A villain? We read about them, watch them at the movies and on TV, and see them in real life; but sometimes we're not even sure which one is the hero, which one the villain. We will explore various kinds of heroes and villains in order to discover what we think of them, and how they have changed over the years. We'll be reading stories and watching movies and TV programs to help us understand the kinds of heroes and villains that are all around us. (NOTE: This class uses only G and PG rated movies.)

Humanities/Social Sciences 203: **How to Watch a Movie** (Paul J. Marasa, M.A.)
We all watch movies, but what's really happening when we react to the movies we watch? This course explores the visual and aural strategies and techniques of filmmaking—editing, camera placement, framing, sound and music, art direction, and so on—in terms of their cumulative effect on the moviegoer. Along the way, students will learn about the history of the movies, from early optical experiments to the digital realm. The goal of this course is to develop students' critical faculties, so that they become aware not only of the story and acting, but the influence of the director and the many technicians and artists who collaborate in producing this most popular of art forms. (NOTE: This class uses only G and PG rated movies.)

Humanities/Social Sciences 204 Word Games (Peter Schwartzman, Ph.D.)
Scrabble®, Boggle®, UpWords®, Anagrams, Jumbles, etc. Learn what it takes to be a dynamite word guru from one of the top Scrabble® players and author of word books. Many word games are more than words. They take strategy, spatial manipulations, mathematical skills, stamina, sportsmanship, and confidence. Come find out what is involved and what can be learned by playing word games. Strategy and fun all wrapped into one. Don't miss it.

Humanities/Social Sciences 205: Escaping the Rock (Rebecca Rappenecker)
Have you heard of The Rock? No, not the wrestler. The island…Alcatraz Island. Located in San Francisco Bay, Alcatraz Island has been home to some of the most notorious criminals in United States history including Al Capone and George "Machine Gun" Kelly. Come learn the history of the island, what it was like to live there, and why it is considered inescapable.

Humanities/Social Sciences 206: **Beyond the Books—Harry Potter O.W.L Level** (Elizabeth Buck)
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!

Humanities/Social Sciences 207: **Beyond the Books – Harry Potter N.E.W.T Level** (Elizabeth 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**!**

Humanities/Social Sciences 208: Cinderella Around the World (Rebecca Rappenecker)
Think Cinderella is just a Disney princess or simple fairy tale character? Not even close. We are familiar with Cinderella and her evil step-sisters, but did you know Cinderella stories have traveled the world through different cultures and countries for hundreds of years. Let's read and compare some traditional and some not-so-traditional stories of rivalry, injustice, and wrongs done right.

Humanities/Social Sciences 212: Myth and Mythmaking (Brian Tibbets M.A.)
What is a myth? What is mythology? What can be a great story to one person might be a whole religion to another. Come explore the ideas of mythology as we look at some of the most famous myths of the ancient world and what they can teach us today. Have you ever wondered what a "Titan" was? What about the Olympian gods and goddesses? We'll study supernatural beings of the ancient world and find out how and why we still see so much of them today. The course will culminate in students' creating their own myths.

Humanities/Social Sciences 215 Beyond the Books-Percy Jackson: Camp Half-Blood (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 class, we'll all be a little bit *blue*.

Humanities/Social Science 218 *Es Romanus!* Be a Roman! (Brian Tibbets, M.A.)
What did the Romans wear? What did they eat? Where did they live? What did they do in their day-to-day life? Come find out! During this course you will dress as the Romans did, eat as they ate, and act as they acted. This will be a hands-on class that will involve researching Roman clothing, religion, housing, games, hobbies, jobs, and entertainment. Over the course of two weeks, you will slowly create a persona of an authentic Roman boy, girl, man, or woman. The class will culminate in a big celebration that you will attend as your "Roman" self.

Humanities/Social Science 219 A Tale of Two Cities (Jordan Lanfair)
This course will serve as a literary study of the Chicago writing tradition designed for elementary students. Through reading and discussion, we will examine how Chicago is both a home and an adversary in stories, truly two cities in one. Students will examine the key elements of the city of Chicago writing, analyze famous characters and dive into the sometimes emotional always exciting life of the City at large. The class will aim to tie in music, art and other key elements from Chicago artists to complete the exploration. Students will culminate this course with a presentation of their own writing about their home using the Chicago writing elements.

LANGUAGES

Languages 202: **Elementary Spanish**
This course is designed to introduce elementary students to basic conversational and grammatical structures in Spanish. The course will be taught entirely in Spanish so that students will have a brief daily immersion experience which will allow them to learn and produce the following structures in Spanish: greetings & introductions, the alphabet, numbers 1-100, personal data, parts of the body, clothing, academic subjects and favorite activities. The subject matter will be contextualized to better enable students to understand and express themselves through written and oral communication. In addition, they will learn about the cultures of various Spanish-Speaking countries through songs in Spanish, photos, video clips, children's books, and food.

Languages 203:**Elementary French**
The intent of this course is to introduce students to the French language and culture through various activities such as learning how to greet, how to use day-to-day vocabulary, how to construct simple sentences in the present tense, how to make short and meaningful conversations and how to sing beautifully unforgettable French songs. Students will also learn how to identify objects in their immediate environment, how to ask and answer simple questions in French, and how to count up to 100. The aim of the course is to familiarize them with the peculiarity of French sounds, train them to recognize these sounds, to produce them, and to be able to read any simple French text at the end of the course with relative ease. Emphasis will be placed on pronunciation drills. The course will be taught entirely in French, but no prior knowledge of the French language is required.

Languages 204: **Exploring Chinese (**Weihong Du Ph.D.**)**
This course is intended to introduce interested students to the language and culture of China. Primarily centering on basic phrases, the language-focused portions of the course will also introduce students to basic Chinese reading and writing. Interspersed with basic language instruction, *Exploring Chinese!* will also include opportunities for students to experience Chinese culture from both Western and Chinese perspectives, demonstrated through popular China-related cultural icons from China and America. Upon completion of the course, students should be able to introduce themselves in Chinese, identify and discuss certain aspects of Chinese culture, and recognize a handful of written Chinese characters.

Languages 205: **Latin is Everywhere!** (Brian Tibbets M.A.)
Latin is Everywhere! will focus on Latin language and Roman culture as it is still used in our society today. Students will begin by learning Latin phrases for everyday use and explore the connections in meaning. Students will also learn Roman Numerals and how they are utilized in numbering the Super Bowl to the cornerstones of buildings. Students will explore Latin phrases still in use in our legal systems, medical terms, science, and popular culture. Students will take field trips around the Knox campus, courthouse, and public buildings to see Latin "in action!" The course will culminate with a creative project showcasing all the different ways students found out that Latin is in use, including creating a derivative tree. Hands on learning will be a key component!

SCIENCE/MATHEMATICS

Science/Math 201:Web Page Creation (Christian Mahone)
How are those cool pages on the Internet made? This is a beginning course for producing your own web pages. We will do some surfing ourselves to find fun, interesting, and safe web pages. Then we will design web pages which will be available on the Internet.

Science/Math 202: Mental Math (Mark Shroyer, Ph.D.)
Convert Fahrenheit to Celsius without a calculator. Calculate a 15% gratuity for your parents after a night of fine dining in your head. Multiply 212 x 188 in seconds using the "Difference of Squares". Amaze your friends and relatives with your displays of mental gymnastics! Through daily drill and an application of concepts from algebra and geometry, we will have some fun with arithmetic.

Science/Math 203: **Natural Disasters** (Lacy Matthews)
Do you know what to do if a natural disaster were to occur today? Can you create a building that would withstand an earthquake? Did you know that lava is not the most deadly threat from a volcano? In this course, students will use higher level thinking skills to explore the natural disasters our world faces each year. Through hands-on experiments and engaging research students will be able to answer all of the above questions and demonstrate a thorough understanding of natural disasters around the world.

Science/Math 204: Astronomy (Mark Shroyer, Ph.D.)
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 was Pluto demoted? We will use the scientific method to discover the answers to these and other questions. 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.

Science/Math 205: **Crime Scene Investigation for Kids (**John Van Nieuwenhuyse**)**
Do you like trying to solve a good mystery? Do you like science? What about putting the two together in the same class? We are going to be doing just that! We will learn about the different types of fingerprints, learn to collect fingerprints, learn about different teeth impressions, and learn about different lip prints, figuring out shoe print impressions, handwriting characteristics, all leading up to piecing together clues to help solve a mystery. There are several aspects of solving a mystery, and we are going to learn about most of them in this class. So, put on your thinking cap and join us for a crime solving journey!

Science/Math 206: **Mythbusters (**Mark Shroyer, Ph.D.**)**
Will my stomach really explode if I eat pop rocks and drink Pepsi? Does a penny dropped from a skyscraper have enough force to embed itself into the sidewalk (or someone's head)? Do good luck charms really work? Combining a practical approach to science, hands on experiments and research, 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.

Science/Math 207: **Unlimited Inventions (**Penny Wagher, M.S.E.)
If you have ever wondered why or how machines work or are the type of person who enjoys making things and 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 water. Each capsule is constructed out of clear plastic so you can really see how a clutch or front wheel drive works. Time will also be given for them to create their own inventions which can be raced for speed or distance. If you can imagine it, then you can build a working model.

Science/Math 208: **Everything Chocolate (**Lacy Matthews**)**
Do you crave chocolate? Did you know that the average American consumes about eleven pounds of chocolate a year? Does your favorite candy bar really come from a plant? Explore the world of chocolate and learn fun facts to share with your family and friends. Become an expert on the history of chocolate, how it's made, what it's used for, chocolate's nutritional value, and of course what it taste like. Join us in unwrapping the sweet mysteries of chocolate.

Science/Math 209: Decoding the Mysteries of Chemistry in Everyday Life (Diana Cermack Ph.D. & Naomi Caro Tsuji)
People, young and old, are exposed to many different chemical principles every day. Why does your toothpaste form bubbles? What is biofuel? Why was the BP oil spill in the Gulf of Mexico such a problem to clean up? Why do we use soap? Why do we put salt on our driveway when it's icy? These questions can be answered with simple chemical principles and can be demonstrated with simple, fun chemical experiments. This experimental-based course, focused on late elementary students, will help us answer some of these "mysterious" questions.

Science/Math 210: The Planet Earth (Peter Schwartzman Ph.D.**)**

What is the planet is made of? Why do the oceans circulate? Why do plants grow in certain places and not in others? What are resources and where do they come from? We are going to discuss these issues and many others in the fields of oceanography, geology, agriculture, ecology, and climatology. Consideration will also be given to the impact that humans have had in these areas (both present and future).

Science/Math 211: From Seeds to Spaghetti (Peter Schwartzman Ph.D.**,** Amy Brucker**)**

The finest chefs in the world have a secret: the best dishes are created with food that hasn't traveled thousands of miles and hasn't been heavily processed into "food-like" substances. Rather, the best dishes are created with freshly picked food from places not unlike your own backyard.

Science/Math 212: Flying High with Soda Bottle Rockets (John Van Nieuwenhuyse)

Have you ever seen a soda bottle flying through the air…well if you take this class your will see several! We will start off by figuring out what makes a paper airplane soar across the room. Then, we will figure out what makes the plane stay in the air, come in for a landing, and what makes it fly really fast! We will then take what we learned and have a competition to see who can make a rocket that will stay in the air the longest. Your rockets will go has high as a three story building…maybe higher. Sign up for this class and find out!

Science/Math 213: iArt and iColor (Rich Ankeney & Cindy Ankeney)

Your bright ideas will be at work here. Discover the amazing worlds of light and color. *iArt and iColor* explores the uses and relationships of light and color. You will learn about the uses and relationships of light and color with exciting art projects. Students must have their own iPad to enroll in this class.

Students must have their own iPad to enroll in this class. Students will also be asked to purchase\download applications to use in the class.

Science/Math 214: iLight and iScience (Rich Ankeney & Cindy Ankeney)

iLight and iScience explores the mysteries and properties of light and color. We live in a world of light and color. Everyday light lets us see where we are going and what we are doing. Sometimes light plays tricks on our eyes. You will learn about these tricks of light with exciting science activities and experiments. You'll love the bright ideas in *The Eyes Have It! iLight and iScience.*

Students must have their own iPad to enroll in this class. Students will also be asked to purchase\download applications to use in the class.

Science/Math 215: Math by Design (Jordan Lanfair)

Just like nature, math is all around you. Almost everything you can observe and many things too small to see with your eyes can be described mathematically. Have you ever noticed the beautiful patterns in pinecones and flower petals? Wonder why snowflakes are symmetrical? Learn about the mathematicians and scientists who study these patterns and create some designs of your own using numerical series, tessellations and fractals. Math...it's not just arithmetic!