

**CAMP INNOVATION: PATHWAYS TO COLLEGE  
FOR GIFTED AND TALENTED YOUTH  
GRADES K-8**

Fall 2017

Saturdays, October 21-November 4, 2017, 9:00 – 11:30 am

Northern Kentucky University's Camp Innovation Pathways to College Program is a cutting-edge program designed for high potential youth to discover and explore advanced content and engaged learning. All classes provide the opportunity for students to share interests with other children while exploring pathways to intellectual development, academic enhancement, career exploration, and creative artistic fulfillment.

Camp Innovation offers transdisciplinary courses infusing entrepreneurship, science, mathematics, social studies, technology, visual and performing arts, and original interdisciplinary studies.

*We encourage students to choose their own classes on a first-come first-served basis.*

**DATES AND LOCATION**

- Fall 2017 semester courses will be held Saturdays, October 21 through November 4
- Sessions meet from 9:00 – 11:30 AM
- Classes are held in Landrum Hall at Northern Kentucky University

**WHAT MAKES NKU'S CAMP INNOVATION PROGRAM EXCEPTIONAL?**

- Focus on **career exploration pathways** incorporated into every class
- Emphasis on **intellectual challenge** through critical and creative thinking
- Environment that values **creativity, diversity, entrepreneurship, and achievement**
- Personal attention from **talented and caring teachers**. All teachers receive special training and ongoing support to help them meet the unique needs of gifted youth.
- Small class sizes for **caring, personalized, and differentiated instruction**
- Camp Innovation attracts a diverse group of gifted, talented and creative people from all over the area! You will find **friends** who share your interests and love of learning!
- Classes are **fun!** Classes are interesting and interactive with a focus on transdisciplinary learning.
- Parents are invited to attend our FREE **Parent Place** workshops for coffee and stimulating conversations.

*find  
your  
Spark*



## REGISTRATION

- Registration is available online: <http://gifted.nku.edu/youth> or via phone: 859-572-5600 before Friday, October 13, 2017.
- **Tuition \$100** (A limited number of need-based financial aid scholarships are available. For further information, call 859-572-5600.)
- There will be an additional \$30 processing fee for registrations received after October 13, 2017.
- Students are placed in classes on a first-come, first-served basis, and many classes will fill before the application deadline. ***For the best selection of classes, apply early.***
- Students will receive an emailed confirmation once registered.
- The Camp Innovation: Pathways to College Program reserves the right to close or cancel prior to the first class meeting or make any necessary schedule changes.

## PARENT PLACE WORKSHOPS

- Parents and interested community members are welcome to attend our FREE Parent Place workshops offered each week during the Camp Innovation Program.

## REFUNDS

- Full refunds, minus a \$30 processing fee, may be given prior to October 13, 2017.
- No refunds will be made after October 13, 2017.
- Any child whose behavior disrupts the learning of others will be discontinued as a participant in the Camp Innovation Pathways to College program. There will be no refund of fees under these conditions.

## EMERGENCY CLOSINGS

- In case of inclement weather or any unforeseen emergency, the Camp Innovation Pathways to College Program reserves the right to cancel a class without make-up class or refund.
- In the event of inclement weather, the program director will send an email to all participants. Refer to the NKU webpage <http://nku.edu> for weather-related announcements.

## PUBLICITY AND MEDIA WAIVER

- All students enrolled in the Camp Innovation Pathways to College Program and their parents/guardians grant permission to capture and/or record the participant's name, image, likeness, persona, photograph, or voice, in any media and/or technology now known or later developed. Such use of her name, image, likeness, persona, photograph, or voice can be used throughout the world for educational, commercial, trade, or any other lawful purpose.



**NKU's Camp Innovation Pathways to College Program is endorsed by the Northern Kentucky Association for Gifted Education**



## FALL 2017 CAMP INNOVATION PATHWAYS TO COLLEGE COURSES:

### BUILDERS (GRADES K-3)



#### **Animal Art, Grades K-3, Materials Fee \$10**

Have you ever heard of an aye-aye, an elephant nosefish, a white-eyed assassin bug, or a potto? We will explore all different kinds of animals and find unique ways to create art of your favorite animals! Join us for this animal adventure painting, drawing, collages, mixed media and more!

#### **Astronauts in Training, Grades K-3, Materials Fee \$15**

Have you ever wanted to journey into outer space and explore the planets, constellations, stars, supernovas, white holes, and comets? Do you want to experience a black hole first hand or see what really happens when asteroids hit a planet? Would you like to explore the moon, creating your own working moon rover? Then come take this exciting journey through outer space with us. Each week through hands-on activities, experiments and games we will learn what a thrilling place outer space really is. You'll be on the edge of your seat on this wild ride through outer space. ***This class will feature a visit to NKU's Haile Digital Planetarium.***

#### **Champion Chess Masters in Training, Grades 2-8, Materials Fee \$25**

Are you a chess beginner or perhaps you are ready to take your chess playing skills to the next level? In this class, you will learn all about the world of chess and strategies that you can use to impress others. You will learn how to compete in tournament style chess competitions while expanding your critical thinking skills. These strategies will surely put you on the pathway to Grand Master status. With the materials fee, you will receive an official tournament chess set.

#### **Grossologists: The Science Behind the Ick!, Grades K-3, Materials Fee \$15**

Are you ready to get slimy? Are you ready to get your hands in goo? In this fun class, we will explore a variety of science topics through hands-on, messy experiments. You will follow the scientific method while learning major science concepts. We will expand our thinking while observing, measuring, and observing. ***Be prepared to get MESSY in this class! This class will feature a live animal visit from Cool Critters.***

#### **I Can Be a Doctor, Grades K-3, Materials Fee \$15**

Heads, Shoulders, Knees and Toes – We all know the song, but do we know what happens to the food we eat and the air we breathe? What happens inside your body when you yawn or sneeze? We will explore these questions and more by learning about our fascinating bodies and how they work.

#### **Minecraft Innovators, Grades K-3, Materials Fee \$5**

It's Minecraft innovation mania at NKU! In this fun, creative course, we will use the popular Minecraft video game to build our own worlds, solve puzzles, and create together! New and returning Minecraft Innovators will work both individually and in teams to take on each day's exciting new challenges, such as various building and crafting challenges, team games and competitions, and much more! We will see great connections between our Minecraft worlds and the world around us as we collaborate in fun class projects and discussions. While building and playing, gain a great appreciation for math and science, and see your creativity and social skills soar! Both newcomers and experienced Minecraft players are invited to have fun and learn together! ***Students must bring their own device (laptop, tablet, Kindle, iPad, iPod, etc.) with Minecraft installed.***

### **Stories Alive!, Grades K-3, Materials Fee \$15**

Join us as we make stories come alive with songs, crafts, experiments, and more! We will dive head first into favorite children's books from multiple angles. We will go beyond the words on the pages to unlock the life within what has been written. This will be an engaging and exciting reading adventure!



### **INNOVATORS (GRADES 3-6):**

#### **Champion Chess Masters in Training, Grades 2-8, Materials Fee \$25**

Are you a chess beginner or perhaps you are ready to take your chess playing skills to the next level? In this class, you will learn all about the world of chess and strategies that you can use to impress others. You will learn how to compete in tournament style chess competitions while expanding your critical thinking skills. These strategies will surely put you on the pathway to Grand Master status. With the materials fee, you will receive an official tournament chess set.

#### **Changing the World One Bean at a Time, Grades 4-8, Materials Fee \$15**

This class is based on three simple beliefs: 1) every person can make a difference; 2) one simple idea can become the catalyst for something much larger; 3) you get more than you give. Through philanthropy's three T's—time, treasure, and talent, we will dive into the whys and how's of giving, learn about the wide-array of nonprofit organizations in our community, and directly experience the power of giving. We will take what we learn from local social entrepreneurs and change the world one bean at a time with our own coffee and hot chocolate stand. All proceeds will be donated to the organization selected by the class. You will leave feeling empowered with a new understanding of the difference you can make every day.

#### **Chocolate Economics, Grades 3-6, Materials Fee \$15**

Do you LOVE chocolate? This is the class for you. We will explore questions such as: why do we sometimes want more of something we like; what do chocolate, Playdoh, automobiles, and smart phones have in common; how can I get more of what I want; what is the Stock Market and why do people invest in it? Take this class to learn the answers. We will explore basic economic concepts such as scarcity, opportunity cost, and trade as we discover the world of money, economics, decision making, and chocolate. Sign-up today to become a chocolatepreneur!

#### **Crafty Creators, Grades 3-6, Materials Fee \$10**

Do you enjoy creating with your own two hands? Is there nothing you love more than making something unique out of a little paper, string, glue, paint, and other odds n' ends? Crafty Creations will take you through multiple projects, using a variety of mediums. Come ready to design and create!

### **Express Yourself Artists, Grades 3-8, Materials Fee \$10**

Get artistic and express yourself using paint and paint brushes. Learn about how you can use paint and art materials to express yourself while creating beautiful artistic pieces. You won't follow an outline, but will go into deep thought while creating unique artistic masterpieces.

### **International Art, Grades 3-6, Materials Fee \$15**

Buongiorno! Buenos días! Do you every wonder what it would like to be in a New Year's parade in China? Would you like to try an African feast or play Australian games? In this class, we will study different country's cultures and art! Each day we will "travel" the world studying different countries and creating unique art projects. Come ready to create and travel the world!

### **Minecraft Innovators, Grades 3-6, Materials Fee \$5**

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### **The Road to Becoming a Doctor, Grades 3-, Materials Fee \$15**

How does your brain work, why your eyes are blue and your hair brown or what happens to your food once you eat it? Do you want to know how you keep breathing even when you are sleeping, how fast your heart beats or why you hurt when you fall? Take a journey with us through the different systems of the greatest machine ever, the human body. This hands-on class features activities, experiments, demonstrations and games where you'll discover the body systems, what they do and why they do it.

### **STEM Explorers: Rollercoasters, Hot Wheels, Ozobots, Oh My, Grades 3-6, Materials Fee \$20**

Join us as we explore the wonders of the scientific world. We will conduct hands-on experiments, investigations, and research utilizing the scientific method while we engineer with LEGO building bricks, build rollercoasters, compete with Hot Wheels cars, and explore basic coding with Ozobots. You don't want to miss this class!

### **Veterinary Residency, Grades 3-6, Materials Fee \$20**

Do you bring home stray dogs? Do you nurse birds with injured wings back to health? Do you climb up to get the cat that won't come down from the tree? Sounds like you are ready to become a veterinarian! Join us as we learn about the animal kingdom's most fascinating members. We will explore topics such animal kinesiology, diet, and health issues. ***This class will feature live animal visits from the Newport Aquarium/WAVE Foundation and All Creatures Animal Hospital.***

### **Video Game Developers, Grades 4-6, Materials Fee \$5**

We will become our own video game developers in this hands-on, minds-on class. Learn the skills and techniques necessary to design and program your own video games using professional game development software, while expanding your skills as we learn how to incorporate a multitude of fun new features into video games! You will strengthen your math, science, logic, and artistic skills while gaining a sense of self-confidence! ***Students enrolled in this class need to bring a 1 GB USB drive with them to class.***

## **GROUNDBREAKERS (GRADES 5-8):**

### **Changing the World One Bean at a Time, Grades 5-8, Materials Fee \$15**

This class is based on three simple beliefs: 1) every person can make a difference; 2) one simple idea can become the catalyst for something much larger; 3) you get more than you give. Through philanthropy's three T's—time, treasure, and talent, we will dive into the whys and how's of giving, learn about the wide-array of nonprofit organizations in our community, and directly experience the power of giving. We will take what we learn from local social entrepreneurs and change the world one bean at a time with our own coffee and hot chocolate stand. All proceeds will be donated to the organization selected by the class. You will leave feeling empowered with a new understanding of the difference you can make every day.



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### **Crafty Creators, Grades 3-6, Materials Fee \$10**

Do you enjoy creating with your own two hands? Is there nothing you love more than making something unique out of a little paper, string, glue, paint, and other odds n' ends? Crafty Creations will take you through multiple projects, using a variety of mediums. Come ready to design and create!

### **Debate Club, Grades 5-8, Materials Fee \$15**

Are you an expert at debating issues? Can you convince your parents and friends to see your side of things? Would you consider yourself "mayor" of your house or in line to be a future politician? Whether you answered yes to these questions or you want to be able to answer yes to these questions, then come explore the dynamics of giving a persuasive speech and becoming an unbeatable debater! We will use a range of appropriate current event topics such as: "Should students have access to a snack/soda machine during school hours?" "Should gaming be offered as a class?" and "Should e-books replace text books?" We will dive into lively debates on both sides of controversial kid topics!

### **Evolution of Princesses, Grades 5-8, Materials Fee \$15**

In this interactive class, we will investigate traditional fairy tales, Disney clips, and films. We will discuss the changes in themes, appearances, and stories while making music videos of our favorite songs from these stories.

### **Express Yourself Artists, Grades 3-8, Materials Fee \$10**

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### **Hello Authors, Grades 6-8, Materials Fee \$15**

Develop your reading, writing, and critical thinking skills using innovative writing strategies. We will dive into the writing process and writing crafts while focusing on creativity and storytelling/memoirs. You will leave knowing more ways to write about a variety of topics while having fun with it.

### **Video Game Design Masters, Grades 6-8, Materials Fee \$5**

We will become our own video game designers in this hands-on, minds-on class. Learn the skills and techniques necessary to design and program your own video games using professional game development software, while expanding your skills as we learn how to incorporate a multitude of fun new features into video games! You will strengthen your math, science, logic, and artistic skills while gaining a sense of self-confidence! *Students enrolled in this class need to bring a 1 GB USB drive with them to class.*

### **Mark Your Calendar**

**Spring Camp Innovation & Parent Place Programs, Saturdays, March 10-24,  
2018**

**Young Women LEAD Conference, Thursday and Friday, October 19 & 20,  
2017  
at  
Northern Kentucky University**

## ABOUT NORTHERN KENTUCKY UNIVERSITY'S INSTITUTE FOR TALENT DEVELOPMENT AND GIFTED STUDIES:

The mission of the Institute for Talent Development and Gifted Studies is to be the standard bearer of talent development and gifted education.

The Institute shares Northern Kentucky University's three-part mission of teaching, scholarship, and public engagement by being a comprehensive and valued resource for students, educators, and parents in the regional community; innovating educational technology best practices that support the precocious abilities of gifted and talented children; and conducting rigorously applied research on topics relevant and useful to gifted and talented students, educators, and parents.

The Institute strives to develop collaborative, meaningful partnerships with businesses, community agencies, and educational institutions in support of high potential and gifted youth.

**NKU's Institute for Talent Development and Gifted Studies thanks our partner organizations:**



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