

**CAMP INNOVATION: PATHWAYS TO COLLEGE
PROGRAM FOR GIFTED AND TALENTED YOUTH
GRADES K-6**

Spring 2017
Saturdays, March 11-25, 2017
9:00 – 11:30 am

Northern Kentucky University's Camp Innovation Pathways to College Program is an innovative 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

- Spring 2017 semester courses will be held Saturdays, March 11^h through March 25th
- 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 LEADING-EDGE?

- Focus on career exploration pathways incorporated into every class
- Emphasis on critical and creative thinking through independent learning
- Environment that values creativity, diversity, entrepreneurship, and achievement
- Challenging hands-on, transdisciplinary learning
- Personal attention from dedicated teachers
- Small class sizes for caring, personalized, and differentiated instruction
- The opportunity to share interests with other high potential children





REGISTRATION

- Registration opens Monday, January 23. It is available online: <http://gifted.nku.edu/youth> or via phone: 859-572-5600 before Tuesday, February 28, 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 February 28, 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.

REFUNDS

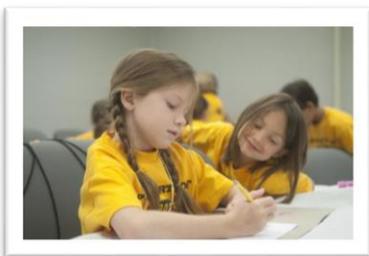
- Full refunds, minus a \$30 processing fee, may be given prior to February 28, 2017.
- No refunds will be made after February 28, 2017.
- Any child whose behavior disrupts the learning of others will be discontinued as a participant in the Camp Innovation Pathways to College program. There will be no 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.



SPRING 2017 CAMP INNOVATION: PATHWAYS TO COLLEGE COURSES:

Builders (Grades K-3):

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.***

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.***

You Can Be a Medic, 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.

Paleontologist Interns, Grades K-3, Materials Fee \$20

Dinosaurs roamed the earth and dominated the planet in a variety of ways. Today we can visit their bony remains in museums or peer into the past by looking at their fossils. Put on your paleontologist hat and come discover what the world was like for these ancient reptiles. How did they live? How did they become extinct? Do they roam among us today? ***This class will feature live animal visits from the Newport Aquarium/WAVE Foundation and Cool Critters.***



Innovators (Grades 3-6):

Mathematicians Rule, Grades 3-6, Materials Fee \$10

Brilliant mathematicians are behind many of our modern day successes! Did you know that math is used in many different ways in most careers? Astronauts, entrepreneurs, doctors, lawyers, teachers, politicians, and business owners all rely on mathematics. Add some more math to your life as we investigate interesting problems in order to deepen and broaden our understanding of mathematics. Join us in this fun, interactive mathcentric class!

The Road to Becoming a Doctor, Grades 3-6, 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 down? 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.

Physics and Engineering Co -Op, Grades 3-6, Materials Fee \$15

Rollercoasters, bridges, roads, electrical grids, and package deliveries all depend on the skills and knowledge of engineers. Join us to test your innovative building skills in design challenges using rollercoasters and other building materials as we take on real-life engineering challenges exploring concepts in physics, mechanical, structural, and architectural engineering. You will develop your critical thinking and design skills as we create specially designed models, manipulate challenging materials and scrutinize our progress.

Video Game Developers, Grades 3-6, Materials Fee \$15

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!

Veterinary Residency, Grades 3-6, Materials Fee \$15

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, All Creatures Animal Hospital, and Cool Critters.***

Specialists (Performances, Arts, and Competitions):

ARTpreneurs, Grades 2-6, Materials Fee \$15

Do you love to make art and express yourself? Join us and create a portfolio that's all about you and your art! We will be ARTpreneurs creating our own masterpieces and exploring new innovative artistic techniques. The possibilities are endless and the results will be priceless. Come ready to create!

Champion Chess Masters in Training, Grades 2-6, 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.

Imagine, Design, Create: You Can Be a Graphic Designer, Grades 4-6, Materials Fee \$15

Have you ever wanted to create your own designs and turn them into reality? In this class we will become graphic designers and learn how to bring ideas to life – from designing and creating t-shirts, to mugs, and wooden signs! We will make different creations each week using math, art, technology, and use our imaginations to bring our ideas to life!

Minecraft Innovators, Grades 2-6, 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.***

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