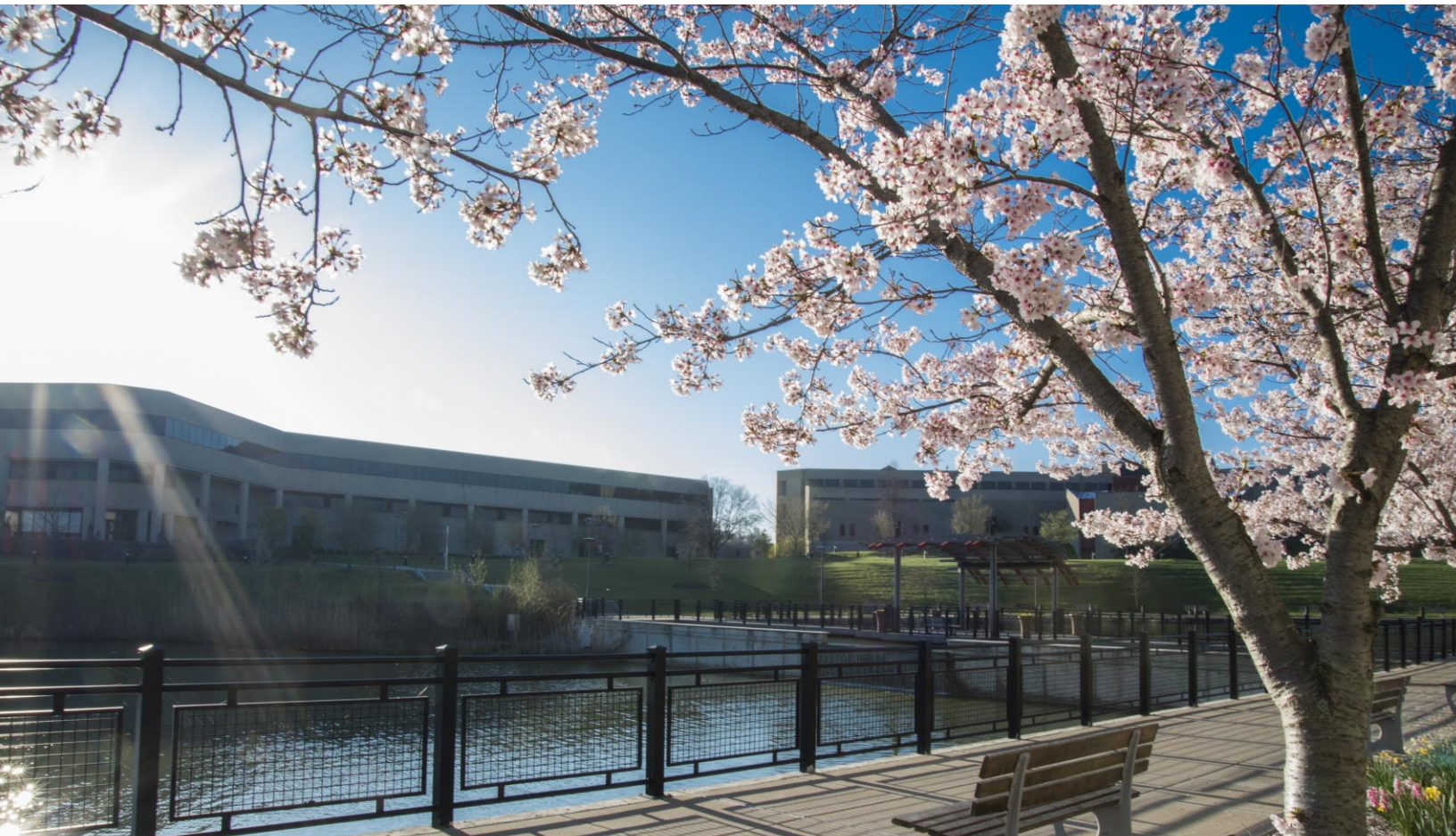




ENRICHMENT PROGRAM



CAMP INNOVATION PATHWAYS TO COLLEGE PROGRAM

GRADES K-9

SUMMER 2019

Monday-Friday, June 10-14, 2019, 8:30 – 11:30 am

Northern Kentucky University's Camp Innovation Pathways to College Program is a forward-thinking program designed for 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.

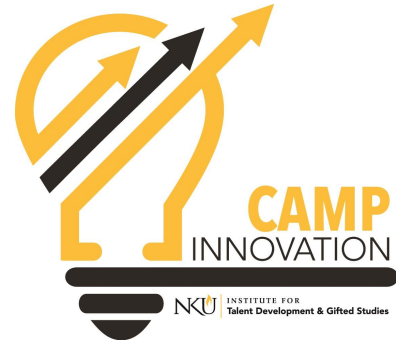
We encourage students to choose their own classes on a first-come first-served basis.

DATES AND LOCATION

- Spring 2019 semester courses will be held Monday-Friday, June 10-14
- Sessions meet from 8:30 – 11:30 AM (*Students select and participate in two classes—Class #1 takes place from 8:30-10:00 and Class #2 takes place from 10:00-11:30. Students are escorted between classes by Camp faculty and staff.*)
- Classes are held in Landrum Hall on the beautiful campus of Northern Kentucky University
- All classes will participate in an interactive presentation with the Kentucky Science Center on Wednesday, June 12th.

WHAT MAKES NKU'S CAMP INNOVATION PROGRAM EXCEPTIONAL?

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



REGISTRATION

- Registration is available online: <http://gifted.nku.edu/> or via phone: 859-572-5600 before Thursday, June 6, 2019.
- **Tuition \$150** (Need-based financial scholarships are available for anyone who qualifies for free or reduced lunch. For further information, call 859-572-5600.)
- **Course Material Fees are paid directly to the teacher on the first day of class.**
- There will be an additional \$30 processing fee for registrations received after June 6, 2019.
- 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. Any changes will be communicated via email to the address provided when registering.

REFUNDS

- Full refunds, minus a \$30 processing fee, may be given prior June 6, 2019.
- No refunds will be made after June 6, 2019.
- 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 unlikely event of inclement weather, we will try to reschedule if at all possible.
- In the event of inclement weather or unforeseen emergency, the program director will send an email to all participants. Also 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.

BUILDERS (GRADES K-3) COURSES:

Class Choice #1 (8:30-10:00)	Class Choice #2 (10:00-11:30)
Awesome Animal Artists	Champion Chess Masters
Champion Chess Masters	Nature Artists
Icky, Sticky Scientific Fun!	Dance!
Paleontologist Interns	Under the Sea Explorers
Rock Painting!	STEM Explorers

Awesome Animal Artists, Grades K-6, Material Fee \$15

Learn to be an awesome animal artist in this fun class. We will explore Japanese art and design. Learn the basic structures and techniques for adding color with blendable markers, pen, and watercolor. You will leave this class with your own inspired artistic animals.

Champion Chess Masters, Grades 2-9, Material 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 Material Fee, you will receive an official tournament chess set.***

Dance!, Grades K-3, Material Fee \$0

Have fun and exercise! We will learn simple routines in different styles like Latin dance (Zumba), line dance, hip hop, and contemporary. Parents may arrive a half an hour early on the last day to be treated to a performance.

Icky, Sticky Scientific Fun!, Grades K-3, Material Fee \$20

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.***

find
your
Spark

Paleontologist Interns, Grades K-3, Material 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 magnificent ancient reptiles. How did they live? How did they become extinct? Do they roam among us today?

Nature Adventure Artists, Grades K-5, Material Fee \$15

Join us on this artistic adventure! We will take nature walks learning about animals and plants, all while creating amazing artistic masterpieces! Learn about rocks and minerals, then create your own geodes. Learn about local flora and fauna, then create your own landscape! We will use all sorts of mediums such as acrylic paints, water colors, markers, colored pencils and more!

Rock Painting!, Grades K-3, Material Fee \$15

Do you enjoy searching for hidden rocks? Do you know the true meaning behind painting rocks? Does it bring you joy or excitement when you find one or hide them for someone else to find? Come to Rock Painting where you can learn the safety behind rock painting, how to paint them, and the best places to find and hide rocks, exhibiting leadership along the way. Some literacy is also tied into this fun course. On our last day, we will walk around NKU’s campus so each of us can hide one of our painted rocks. Each day we will paint a new theme onto rocks. It’s your time to be creative while also spreading kindness around the campus and other places! Rocks will be held onto by the instructor each day, until Friday. Please bring a small, sturdy box (such as a shoe box) to store your rocks in for the week. Make sure your name is on the outside of the box!

STEM Explorers: Ozobots, Spheros, Rollercoasters, Hot Wheels and More, Grades K-3, Material Fee \$10

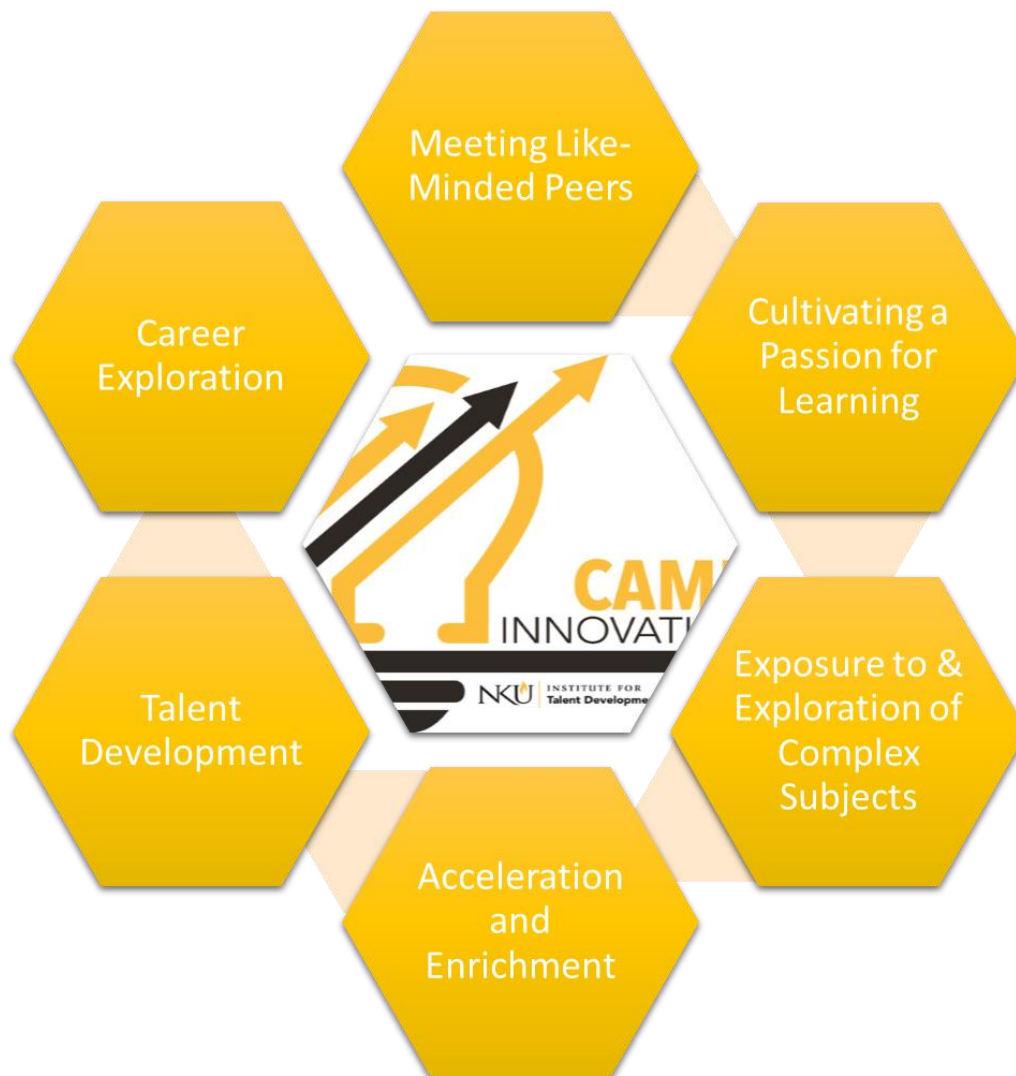
Join us as we explore the wonders of the scientific and mathematical world. We will conduct hands-on experiments, investigations, and research utilizing the scientific method while we engineer, build rollercoasters, compete with Hot Wheels cars, and explore basic coding with Ozobots and Spheros. You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

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Under the Sea Explorers, Grades K-3, Material Fee \$20

Have you ever wanted to dive deep into the ocean and get close to the animals and plants there? If so, jump on this submersible as we become junior oceanographers and marine biologists. Explore the fantastic animals that live in the deepest part of the ocean. Discover the breathtaking coral reefs. Plants, fish, and animals are all living together! We will learn about them and maybe you might find a few new favorites. Learn about the ocean's ecosystem. Investigate the jaw-dropping ways animals can completely change their appearance in their surroundings. We will discover how vital our ocean is to our world and the simpler ways we personally can help save our beautiful ocean. Let's plunge to the bottom of the ocean together and discover the world of possibilities



INNOVATORS (GRADES 3-6) COURSES:

Class Choice #1 (8:30-10:00)	Class Choice #2 (10:00-11:30)
Awesome Animal Artists	Champion Chess Masters
Champion Chess Masters	CSI Investigators
CSI Investigators	Exploring Japanese Language and Culture
Harry Potter Muggles and Wizards Unite	Harry Potter Muggles and Wizards Unite
Lego Mindstorms Programming	Maze Runner "The Hexbug Adventure"
Makers Gonna Make	Nature Adventure Artists
STEM Explorers	Rock Painting Picassos
	Veterinary Residency

Awesome Animal Artists, Grades K-6, Material Fee \$15

Learn to be an awesome animal artist in this fun class. We will explore Japanese art and design. Learn the basic structures and techniques for adding color with blendable markers, pen, and watercolor. You will leave this class with your own inspired artistic animals.

Champion Chess Masters, Grades 2-9, Material 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 Material Fee, you will receive an official tournament chess set.***

CSI Investigators, Grades 3-9, Material Fee \$25

Join the investigations as we learn about crime scenes, eyewitness basics, physical evidence, and fingerprinting. We will apply our scientific knowledge, creativity, and investigative skills working as a CSI Investigators.

Exploring Japanese Language and Culture, Grades 4-9, Material Fee \$5

Are you interested in Japan? Manga and anime? Speaking Japanese? How about sushi or ramen? In this class, we are going to learn about all of these things. The class will be divided into 3 sections daily - Culture, Language, and Game/Movie/etc. A new topic will be covered each day including food, media and entertainment, holidays, and more. By the end of the week, students will be familiar with various aspects of Japanese culture, be able to speak very basic Japanese, and have a general understanding of the Japanese writing system. No prior knowledge about Japan or Japanese language is required.

Harry Potter Muggles and Wizards Unite, Grades 4-9, Materials Fee \$15

Muggles and wizards will learn about themselves and how to work effectively with a group. Can your group find the codes needed to save Dumbledore before the clock runs out? Solve challenges with limited supplies while working and collaborating with one another. Compete to see who has what it takes to win the Tri-Wizard tournament. Wizards and Muggles will strengthen creative and critical thinking skills as they work to complete activities and challenges. Time is running out. Do you have what it takes to beat the clock and master the challenges that lay ahead?

LEGO EV3 Mindstorms Robotic Programming, Grades 4-9, Materials Fee \$5

In this class, we will explore robotics, mechanical systems, electronics, and programming. We will use LEGO's latest robotics system Mindstorms EV3 and Ozobots to design, build, and program functional robots. If you are ready to explore real-world robotics technology for engaging, hands-on challenges, this is the class for you!

Makers Gonna Make, Grades 3-5, Material Fee \$15

Join us to learn how to crochet, arm knit, loom knit, and more! You don't want to miss this amazing class where you will stretch your imagination while learning how to create your own masterpieces! **Please bring a crochet hook to class.**

Maze Runner "The Hexbug Adventure", Grades 4-9, Materials Fee \$5

Can your Hexbug make it through a custom-designed adventure? Use your engineering skills to create a futuristic maze. Set your "Bug" loose and time its mission. Will your "Bug" complete the course? What will your maze look like? This class will test your creativity and your math knowledge.

Nature Adventure Artists, Grades K-5, Material Fee \$15

Join us on this artistic adventure! We will take nature walks learning about animals and plants, all while creating amazing artistic masterpieces! Learn about rocks and minerals, then create your own geodes. Learn about local flora and fauna, then create your own landscape! We will use all sorts of mediums such as acrylic paints, water colors, markers, colored pencils and more!

Rock Painting Picassos, Grades 3-8, Material Fee \$15

Do you enjoy searching for hidden rocks? Do you know the true meaning behind painting rocks? Does it bring you joy or excitement when you find one or hide them for someone else to find? Come to Rock Painting where you can learn the safety behind rock painting, how to paint them, and the best places to find and hide rocks, exhibiting leadership along the way. Some literacy is also tied into this fun course. On our last day, we will walk around NKU's campus so each of us can hide one of our painted rocks. Each day we will paint a new theme onto rocks. It's your time to be creative while also spreading kindness around the campus and other places! Rocks will be held onto by the instructor each day, until Friday. Please bring a small, sturdy box (such as a shoe box) to store your rocks in for the week. Make sure your name is on the outside of the box!

STEM Explorers: Ozobots, Spheros, Rollercoasters, Hot Wheels and More, Grades 3-6, Material Fee \$10

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

Veterinary Residency, Grades 3-6, Material 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 as animal kinesiology, diet, and health issues. ***This class will feature live animal visits from the Newport Aquarium/WAVE Foundation and animal behavior experts.***



GROUNDBREAKERS (GRADES 5-9) COURSES:

Class Choice #1 (8:30-10:00)	Class Choice #2 (10:00-11:30)
Champion Chess Masters	Champion Chess Masters
Exploring Japanese Language and Culture	CSI Detectives
Harry Potter Muggles and Wizards Unite	Harry Potter Muggles and Wizards Unite
Lego Mindstorms Robotic Programming	Maze Runner "The Hexbug Adventure"

Champion Chess Masters, Grades 2-9, Material 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 Material Fee, you will receive an official tournament chess set.

CSI Investigators, Grades 3-9, Material Fee \$25

Join the investigations as we learn about crime scenes, eyewitness basics, physical evidence, and fingerprinting. We will apply our scientific knowledge, creativity, and investigative skills working as a CSI Investigators.

Exploring Japanese Language and Culture, Grades 4-9, Material Fee \$5

Are you interested in Japan? Manga and anime? Speaking Japanese? How about sushi or ramen? In this class, we are going to learn about all of these things. The class will be divided into 3 sections daily - Culture, Language, and Game/Movie/etc. A new topic will be covered each day including food, media and entertainment, holidays, and more. By the end of the week, students will be familiar with various aspects of Japanese culture, be able to speak very basic Japanese, and have a general understanding of the Japanese writing system. No prior knowledge about Japan or Japanese language is required.

Harry Potter Muggles and Wizards Unite, Grades 4-9, Materials Fee \$15

Muggles and wizards will learn about themselves and how to work effectively with a group. Can your group find the codes needed to save Dumbledore before the clock runs out? Solve challenges with limited supplies while working and collaborating with one another. Compete to see who has what it takes to win the Tri-Wizard tournament. Wizards and Muggles will strengthen creative and critical thinking skills as they work to complete activities and challenges. Time is running out. Do you have what it takes to beat the clock and master the challenges that lay ahead?

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

A MESSAGE FROM OUR DIRECTOR:

I am excited to share with you the Institute for Talent Development and Gifted Studies' Summer 2019 *Camp Innovation Pathways to College* course catalog. Whether we are meeting for the first time this summer or you're an old friend, I can't wait to share with you what we have planned through the Institute this spring.



At NKU's Institute for Talent Development and Gifted Studies, we believe all children should be provided with educational and enrichment experiences matched to their unique needs and interests. Talent can be developed by matching one's interests, abilities, and aptitude with the right opportunities, experiences, and challenges. Learners should be provided with experiences that motivate, encourage perseverance, develop creativity, and enable them to grow intellectually, emotionally, and socially. We aim to provide content-rich programming that builds confidence and competence while also deepening understanding of complex ideas.

This summer, we have many activities planned including the ***Camp Innovation Pathways to College Program*** for students in grades kindergarten through ninth grade; the ***STEM Academy*** for students in grades 3-8, and the ***Graphic Designers Academy*** for students in grades 3-8. Stay tuned as other programs will be added throughout the summer. Our graduate gifted endorsement and micro-credential courses continue to be offered online each semester.

Did you know that the Institute is self-sustaining? We are able to offer our programs because of your continued support. There is so much more we would like to offer for students, educators, parents, and community stakeholders. If you would like to support any of our current or future programs, please contact Dr. Kimberly Code at gifted@nku.edu or 859-572-6685. Our programs are better because of parent, educator, and community stakeholder collaboration.

Mark Your Calendar

Financial Literacy Academy, September 21
Fall Camp Innovation Program, Saturdays, October 26-November 9
High School STEM+H Day Conference, October 25
Young Women LEAD Conference, October 31 & November 1
At Northern Kentucky University

Follow us on Facebook for the latest program information:
<https://www.facebook.com/GiftedSources/>

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. We aim to address the unique needs of youth with demonstrated gifts and talents as well as those who may be able to develop their talent potential with appropriate educational experiences.

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, community stakeholders, and parents in the regional community; innovating educational technology best practices that support the precocious abilities of gifted and talented youth; and conducting rigorously applied research on topics relevant and useful to gifted and talented students, educators, community stakeholders, 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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