

Gifted Studies



February 1, 8, 15, and 22, 2014 Bowling Green and Louisville

Welcome to Winter 2014 Super Saturdays. Please look through the list of classes on pages 2-4 for grade levels and location. Classes at the Kentucky Science Center are listed on page 4. Then fill out the registration form on pages 5-6. Please contact us with any questions - gifted@wku.edu or 270.745.5991, and go to www.wku.edu/gifted for Super Saturdays updates.

CLASS DESCRIPTIONS. EACH CLASS LASTS ALL FOUR WEEKS.

- Adventures with Dr. Seuss, grades 1 & 2, Casey Newton & Samya Monem Do you want a chance to explore, act, and play? Join us for our class, where we'll make theatre all day! We'll play lots of games to build our bodies and minds, and use words to create magic of all kinds. We'll create characters, costumes, a set, and a show, and then leave our mark on all the fantastic new places we'll go!
- Build It: The Science Behind Things You Can Make, grades 1 & 2, SHELBY FISHER & SARAH LEWIS What do hot air balloons, rockets, and speakers have in common? They are all things you can build at home! Grab your best design and builder's hat as we build these fun things and more with ordinary materials, exploring the science behind what makes them work.
- 2 Camp Learn-A-Lot, grades 1 & 2, Terri Stice Join in on the fun as we explore the digital world of photography, video, art, music, and citizenship. Campers at Camp Learn-A-Lot will have fun learning more about our active, twitch-speed, connected world of digital media such as iPads, iMovie, and iShare. Amaze your friends and family with Green Screen Effects on your own iMovie. See you at camp!
- 21 Intro to Musical Theatre: Let's Sing and Dance, grades 1 & 2, KARI CARR Do you want to sing, dance, and act? Then join us as we learn how to tell a story through song and dance! Have a blast while learning some basics of musical theatre as we explore what it takes to put on a musical. We'll even put on our own show!
- Kitchen Chemistry/Experiments Galore, grades 1 & 2, Andrea Heming Do you love creating experiments? Then this class is just for you! We will design experiments that you can recreate with supplies in your own home. Only the scientists who LOVE to get messy should sign up for this class. We will have so much fun creating and learning you won't be able to guess what we'll do next.
- 6 Lasting Impressions-Multimedia Printmaking, grades 1 & 2, HALEY KIRTLEY Have you ever been scolded for leaving muddy footprints on the floor? Then, you already know something about printmaking! Here we will combine your creativity with everyday objects to explore all kinds of prints: body prints, hand prints, fish prints, string prints, vegetable prints, and fabric prints on a T-shirt you can wear! Oh, by the way, there is no scolding allowed!
- Mad Scientists Workshop, grades 1 & 2, MARY YOUNG Are you thinking that you might want to be a scientist, but you don't have a fancy laboratory? You can learn to be a scientist right in your own kitchen! You'll be a budding kitchen table scientist as we experiment with everyday things you find around the house.
- Once Upon a Time in Fairy Tale Fun, grades 1 & 2, Jennifer Cummins Join our journey as we explore magical forests, castles, and secret places in our favorite fairy tales. Let your imagination go wild as you create your own stories about princes, princesses, witches, elves, and dragons, write a letter to your favorite fairy tale character, and design a "wanted" poster for a villian. We'll even change the endings of some popular stories. Will the frog really change into a prince? Will Sleeping Beauty ever wake up? In the land of makebelieve, anything can happen!
- To Infinity and Beyond: Discovering Our Solar System, grades 1 & 2, BEN SLINKARD Be a special Space Exploration Club member! Traveling between special Solar Stops, our club members will research fun information about the locations of planets, moons, asteroids, comets and meteors, and keep a record in our Space Explorer Logbook. Why do we have seasons? Why do we have day and night? Our galactic fact gathering and activities will help us answer these questions and more. Don't miss this chance to be a Space Commander.
- 10 **Acting Up (Is Fun)**, grades 2 & 3, JULIE ROBERTS BOGGESS If you are interested in acting, come join this class! We will have a fantastic time exploring many different forms of creative dramatics. This is a great class because the teacher actually wants you to "act up"!
- Bridging the Gaps with Bridge Building and Design, grades 2 & 3, PATTY BERTKE Think like a civil engineer as we uncover the math in bridge design! Why use steel, stone, or wood in constructing bridges? Why are some shapes better than others? Why does geography matter? Answer all these and more as we examine bridge designs, tour a lab, meet an engineer, and build supports and bridges from everyday materials. Your hard hat is waiting! There will be some walking on campus, so appropriate footwear is requested.
- 12 Fascinating Forest Fun, grades 2 & 3, KATY KITTINGER Join our fun as we discover how our forest environment is very special. Creating animal tracks, tree slime, and your very own recycled paper will be a part of our special hands-on, minds-on activities to learn how trees, people, and energy are all connected. We'll investigate how we get energy from the forest, and look at how forests provide lots of things we use every day. We'll be special explorers as we dig into the earth and our endlessly fascinating environment!
- 13 **I Spy Art Around the Cultures: Traveling Edition**, grades 2 & 3, LELIA RUTH Hop on a plane with us and study art abroad! We will visit our homeland, Central America, Asia, Africa, and Australia with our very own passport and suitcase. We will return home with souvenirs from each new place, and learn to celebrate the special gift of creating art as we travel the world! So, pack up your smile, happy heart, suitcase, and get ready to be adventurous with us!

- Learning with Legos, grades 2 & 3, RENEE HALE Did you know Legos are for more than just building? Join us to design Lego mazes and test those designs, re-create historical landmarks while exploring the history behind them, weigh items using Legos, write Lego stories, and more! It's science, math, reading, and art all with Legos!
- 15 **SCIENCE 'R US**, grades 2 & 3, NITA COLE Calling ALL Junior Scientists....if you like to explore the world around you this class is for you! You will do your own experiments as we learn the science behind some bubbling, gooey, and stinky chemistry concoctions. We will learn to use some tools of the trade while studying animals, plants, chemistry, and lots more. If you want to unlock the secrets of science, join us as we have fun while we observe, hypothesize, experiment, and conclude!
- 16 Create Your Own Chinese Masterpiece, grades 3 & 4, Maxine Ma & Seven Tan You don't have to pack your bags to travel to China you can explore China right here in Bowling Green! Join in as we create Chinese art while learning Chinese language. You'll play some sports popular with Chinese children, like Jianzi Hacky sack. We'll create tiles with Chinese characters, make a bookmark with your Chinese name on it, and make Beijing Opera Masks. We'll learn a song in Chinese, and how to dance a traditional Chinese dance. Each week you will take home a souvenir of your journey to China.
- Secret Identity: Releasing Your Inner Superhero! grades 3 & 4, ASHLEY HURT & APRIL YATES Up, up, and away!

 Being a superhero is fun and exciting, especially in the world of super imaginative YOU! Come and join us to create your very own comic book storyboard where you ARE the hero! You will learn about famous super heroes and heroines of the past and present, and find your own super hero, inside out and outside in! By drawing ideas from comic super heroes, we will also design and create our very own superhero costumes to present for parents and family!
- 10 Under Our Feet, grades 3 & 4, BETH TYRIE Ever wonder what's under our feet in Kentucky? Join us as we explore Kentucky's interconnected underground network of sinkholes, springs, caves, and aquifers. Become a junior geologist, paleontologist, and hydrologist as we explore how caves are formed, make our own stalactites, create fossils casts and Indian tools, and build our own mini aquifers. Put on your helmet and let's start exploring!
- Mhodunnit? Using Forensics to Solve the Mystery! grades 3 & 4, Madison Moore & Kimberly Stinnett Someone has kidnapped Big Red, and it's up to you to save him! You will have to search for clues and analyze the data to solve the mystery. Can you use chemistry to analyze the clues found on the scene? ...the dirt? ...the fingerprints? ...the blood?! Can you help us save Big Red before it's too late?
- Power, Potential, and Pearls: Leadership for Girls, grades 3, 4, & 5, SARAH FOX What do Rosa Parks, Eleanor Roosevelt, and Katniss Everdeen all have in common? Besides being awesome—all of them were leaders who were also all women. In this class especially designed for girls interested in leadership, we will study the achievements (and mistakes) of women leaders as well as hone our own leadership skills in communication, decision-making, conflict-resolution, and team-building. Together we will explore the best ways to make our voices heard and make a difference. Ladies, it's time to lead.
- 21 Bridge Building, Catapults, and Eggs? Problem-Solving 101, grades 4 & 5, CALEY MELTON & STEPHANIE MENSER Can you build a bridge that won't collapse? What about drop an egg from a tall building without it breaking? Join us as we design, build, and test these and other structures using basic problem-solving skills. We'll analyze a problem (will the catapult shoot straight?), map out the elements, and prepare a workable solution, taking on challenges that will test your logical thinking and reasoning abilities. How heavy, how far, how high you'll find out!
- 22 It's Greek to Me: Greek Mythology, grades 4 & 5, LISA FENTON Mythology is all around us. From days of the week (Thursday is Thor's day) to cars (Toyota Avalon, Honda Odyssey) to shoes (Nike), the gods, goddesses, and the myths they made are a part of our lives even today. Myths inspire literature, music, art, movies, and more. We'll take a fictional trip across the Aegean Sea to "travel" to Greece and "climb" Mt. Olympus to create our own myths, gods, and goddesses, using the lives of the Greek mythological world as our inspiration. Power, humor, tragedy, fear, war, loyalty, love, nature, sports what will be the inspiration for your myth?
- 23 Music, Art, and Storytelling, grades 4 & 5, AMY WALLACE Telling stories through music, art, and movement is one kind of adventure you won't forget, especially when the story is told by a determined donkey, dandy dog, a curious cat, and a rebellious rooster together as creative friends. They follow the yellow brick road to the Town of Bremen looking for freedom to create art and music in their own voice. This class is for ambitious young artists and musicians who want to make various musical instruments to play; study color, line, texture, and rhythm not only to create an exciting multi-media painting; but also compose music of their own style. Parents are invited to a final performance at the Fine Arts Center Concert Hall.
- Tolkien's *The Hobbit*. Read passages from this fantastic book, examine the languages (Quenya and Khazdul) of the Elves and Dwarves, and recreate, through science, some of Gandalf's magic. Watch video clips to compare/contrast them with the book. Finally, make the explosive mixture that Saruman used against King Theoden at Helm's Deep and mimic the "freezing" event that occurred when Bilbo outwitted the trolls. Science, alchemy, and fantasy it's all still magic.

- Hunger Games, grades 4, 5, & 6, KATIE DECKER Explore the power of friendship, survival, and government in a futuristic world. We will create our own version of Panem, design an arena for the next Hunger Games, and participate in a trivia Hunger Game that includes a mock reaping. We will also be designing a Glogster to display and understanding the different themes woven throughout the series. You must have read (not only watched) at least the first two books from the Hunger Games series.
- Stop the Presses: Calling All Reporters! grades 4, 5, & 6, ALI RAYMER Extra! Extra! Newspaper journalism is alive and well, and you can be a first-hand reporter in this collaborative, real-world environment. We will learn the basics of sound journalism, and then with your press pass and reporter's notebook in hand, you will investigate, interview, write, edit, and design a student-run newspaper. From profiles to news stories to columns and reviews, you will publish a variety of journalistic pieces. You will also have the opportunity to experience journalism first-hand through a field trip to WKU Office of Student Publications, which includes the College Heights Herald and the Talisman.
- Art, Nature, and Creative Painting, grades 5 & 6, Brandy Young How would you like to step out from behind the painting and BE a part of the painting? Can you pretend to be a tall tree, dancing ballerina, or fast running horse? Creative painting goes beyond using just paintbrushes and canvas. In this class, we will create life-size, large paintings to tell stories that can come alive. This class is your fun spot to learn the basic of painting skills using traditional and non-traditional media such as objects from nature, various types of paints, yarn, fabric scraps, wearable art using outdoor found objects, and much more. So, get ready and paint as never before!
- What's the Matter? Playing with Polymer Chemistry, grades 5, 6, & 7, Ashley Atkerson Murphy What's not made of wood, stone, or glass? Plastics! Plastics have only been around for the last century or so but have changed the world. We now have cheaper storage, stronger structures, and better hygiene but more landfill waste than ever. What are plastics (besides being some of the best-known polymers)? Learn the science behind milk jugs, diapers, and football helmets...create your own silly putty, Super Ball, deodorant, and even edible polymers... investigate polymer science and how scientists can continue to make materials smarter and safer.
- Rocket Science, grades 6 & 7, Joe Napier Is "rocket science" really that complex, difficult and incomprehensible? Let's find out together that "rocket science" is actually very sensible, predictable, and practical. We will learn principles of aerodynamics, physics, and chemistry, and then apply them to design, build, and launch a high-powered rocket to perform specific mission criteria. An on-board computer will collect flight data that we will analyze to confirm our calculations. Guaranteed to be a BLAST! (Launch site to be determined.)
- **Carnival Ride Camp**, grades 6, 7, & 8, CRAIG FREY "Buckle-in" for this enticing, hands-on introduction to the field of mechanical engineering through the modeling of common amusement park rides. You will explore mechanisms and simple machines while building model-size carnival rides. Learning about the engineering design process and Newton's Laws of Motion was never so much fun. Think Ferris Wheel, spin rides, and future rides just waiting to be invented!
- Creative Containers: Search for the Holy Grail and the Magic of Treasure Chests, grades 6, 7, & 8, Jenna Hall & Ethan Hughes Pot luck, pot of gold, treasure chest, genie in a bottle all these references to containers conjure up images full of magic and wealth. What about a teapot, shoe box, and flower pot? If we look at these names and phrases literally, could a shoebox look like a shoe, a flower pot like a flower? Join us on an epic adventure while we explore the art of crafting and decorating chalices, clay goblets, treasure chests, and amazing containers of magical nature. We will not box you in, so let's think outside the box.

KENTUCKY SCIENCE CENTER CLASSES

PLEASE NOTE!!! These four classes (32, 33, 34, & 35) will be held at the Kentucky Science Center in Louisville. They will be held from noon - 2:30 pm (EASTERN TIME). Participants are responsible for transportation to all Super Saturdays classes.

- **32 WeDo Robotics Zoo**, **grades 1 & 2**, Louisville **Science Center** It's the wild side of robotic engineering! Learn about animal adaptations and robotics! Design and build robotic animals using our WeDo LEGO Robotics.
- GreenScape, grades 3 & 4, Louisville Science Center "Green" + Engineering = green engineering. Learn what it takes to be a LEED certified building and design your own! Find out how the Kentucky Science Center is working to be more "green." One or more of these sessions will take place offsite.
- 32 3-2-1 Blast Off, grades 5 & 6, LOUISVILLE SCIENCE CENTER Looks for UFOs, identify supernovas, discover constellations, and launch a rocket that's sure to be out of this world!
- Forensics, grades 7 & 8, LOUISVILLE SCIENCE CENTER Do you have a keen eye for details? Do you like to solve a mystery? If so, we have the class for you! Become an investigator as you utilize the scientific method as you use investigative techniques by dusting for fingerprints, creating cast molds, and collecting your own DNA. Note: This class will discuss real life issues such as crime and death.

WINTER SUPER SATURDAYS 2014

FEE \$80 (MAKE CHECKS PAYABLE TO WKU SUPER SATURDAYS.)



| Full Name | | Preferred Name | | | | | |
|--|---|---------------------|--|--|--|--|--|
| Date of Birth | / | Grade in 2013-14 | Gender:MaleFemale | | | | |
| Mailing address: | number | street | apartment number | | | | |
| city | | s | state zip | | | | |
| Mother/Guardian:_ | name | Father/Gua | rdian: | | | | |
| address (if different from | n student) | address (if diff | erent from student) | | | | |
| home telephone | cell telephone | home telephon | e cell telephone | | | | |
| email address | | email address | | | | | |
| employer, occupation, b | usiness telephone | employer, occu | upation, business telephone | | | | |
| School | | School Distr | rict | | | | |
| l |) | *11.1 | in which you are interested. No refunds are accepted into a class. T-shirt size: (please one) | | | | |
| 4th choice (# |) | | child size: S M L OR | | | | |
| 5th choice (# |) | | adult size: S M L XL | | | | |
| Criteria for Student A Student is in grade 1 Student has a | Approval (Please contact the Suring the 2013-2014 so shown high interest / achiever eceived a distinguished rabeen identified for services an IQ score of 120 or above a score at or above the 90th the total mathematics or large. | | Amount paid: Check #: t or above the 95th percentile t recent achievement test. | | | | |
| Signature of Educator | | Position | | | | | |
| Signature of Parent or Guardian | | Signature of St | Signature of Student | | | | |

WINTER SUPER SATURDAYS 2014



PARENT CONSENT FORM

| Student Name: | | | | | | | |
|--|---|---|----------------------|---------------------|--|--|--|
| NEWSPAPER RELEASE: I give permission for my local ne Kentucky University: YES | | my child's parti | cipation in Super Sc | aturdays at Western | | | |
| Parents' names as preferred for | news release: | | | | | | |
| RELEASE AND AUTHORIZATI | ON AGREEMENT: | | | | | | |
| engaging in University and/or The may utilize said photographs an University Center and non-Center | (parent/guardian) understand, consent to and agree that Western Kend/or The Center for Gifted Studies may photograph and/or videotape my child while he/she is sity and/or The Center for Gifted Studies's activities, and that the University and/or The Center stographs and video at their discretion, including, but not limited to, use in University and non-non-center publications and other public venues, and that Western Kentucky University shall ights to said photographs/video. | | | | | | |
| As the Parent/Guardian, I certify Saturdays and that he/she will be Saturdays. | | | | | | | |
| I understand that I will be notifie authorize whatever medical tre | | | | | | | |
| PARENT SIGNATURE | | | Date | | | | |
| Emergency Contact Person (Ot | ner than parent) | | | | | | |
| Home Phone () | Work Phone (|) | Cell Phone (|) | | | |
| Another Emergency Contact Pe | erson: | | | | | | |
| Home Phone () | Work Phone (|) | Cell Phone (|) | | | |
| Insurance Company | | | | | | | |
| Name of insured parent | | | | | | | |
| Insurance Group Number | | | | | | | |
| Family Physician: | | Pho | ne: () | | | | |
| Send the completed applica (payable to WKU Super Satur | days) The Center for Gil Western Kentuck 1906 College Hei Bowling Green, K | fted Studies y University ghts Blvd. #71 (Y 42101-1031 | | | | | |
| | | ax: 270.745.627 | | ww.wku.edu/gifted | | | |
| Tax-deductible do | check made out to the WKU Fo nations provide scholarships for c on: \$. Thank you! | | | | | | |

WINTER SUPER SATURDAYS 2014 PROGRAM INFORMATION

THE CENTER FOR GIFTED STUDIES offers opportunities for high ability students to broaden the scope of their interests and interact with other bright young people. Four afternoons are spent with a small group of students exploring an area of interest with an instructor who has expertise in that field. The classes emphasize a hands-on, minds-on approach to learning in an environment in which creative and critical thinking are encouraged.

TIME AND LOCATION - Super Saturdays will meet four (4) consecutive Saturday afternoons (February 1, 8, 15, and 22, 2014). Most classes will be held on the campus of Western Kentucky University; however, a few classes will meet at other locations near campus. Four classes will also meet at the Kentucky Science Center. Parents are responsible for transportation to and from all classes and field trip locations.

Students will be in their classes in Bowling Green each Saturday from noon - 2:30 p.m. CENTRAL TIME. Classes held at the Kentucky Science Center in Louisville will take place from noon - 2:30 p.m. EASTERN TIME. Time will be allotted on the last Saturday for each class to share experiences with parents and other interested individuals. Note: Students are to go directly to their classes on February 1.

SUPER SATURDAYS SEMINARS FOR PARENTS

We believe education is strongest when parents, educators, and students work as a team. In keeping with this philosophy, we invite parents of participating students to attend seminars on gifted children and their educational needs. During the first and second Super Saturdays, parent seminars will be held in Gary Ransdell Hall, room 1074, from 12:30-2:00 pm. Specific topics will be announced later.

REGISTRATION

Courses are filled on a first-come, first-served basis. You will be in the same class for four weeks; however, you should list on the application five classes in which you are interested. If the first choice is filled, you will be placed in the next available class. You will receive a written confirmation of registration indicating the class in which you will participate. Please make sure you select five choices that you would enjoy.

TUITION

Tuition for the four-week class is \$80.00. This amount covers the instructional program, including materials, equipment, and a t-shirt. Tuition <u>must</u> be included with the completed registration form. If all five choices are filled, the tuition check will be returned. **NO REFUNDS WILL BE GIVEN ONCE YOU ARE PLACED IN A CLASS.** Limited NEED-BASED financial assistance is available. **You must fill out a Financial Assistance Request Form.** Contact The Center at 270.745.6323 for a Financial Assistance Request form, but do send in the class application as soon as possible with "Financial Assistance Request" written across the top so that you may be assigned to a class of your choosing.

APPLICATION INFORMATION



- 1. The application must be completed (both sides) and signed by the student and the student's parent or guardian. The teacher, principal, or counselor recommending the student must also sign. [If you previously attended Super Saturdays, please indicate that on the line for educator signature.]
- 2. A tuition fee of \$80 must be included with the completed application. (Make checks payable to WKU Super Saturdays.)
- 3. Applications will be accepted in the order in which they are received.

SEND APPLICATION AND REQUEST FOR ADDITIONAL INFORMATION TO:

The Center for Gifted Studies Western Kentucky University 1906 College Heights Blvd. #71031 Bowling Green, KY 42101-1031

270.745.6323 www.wku.edu/gifted gifted@wku.edu THE CENTER FOR GIFTED STUDIES
WESTERN KENTUCKY UNIVERSITY
1906 COLLEGE HEIGHTS BLVD. #71031
BOWLING GREEN, KY 42101-1031

Address Service Requested

NONPROFIT ORG. U.S. POSTAGE PAID PERMIT NO. 398 BOWLING GREEN, KY 42101

ADDITIONAL

TRAVEL IN Italy, March 28 - April 6, 2014

EDUCATIONAL

This travel/study tour is an opportunity for eighth grade and high school honors students as well as interested adults to learn about the history, culture, and people of Italy.

OPPORTUNITIES

SUMMER CAMP FOR ACADEMICALLY TALENTED MIDDLE SCHOOL STUDENTS (SCATS), June 8 - 20, 2014

Sponsored by

Now in its 32nd summer, this two-week residential or nonresidential camp provides a wide range of classes for academically talented students who are completing the 6th, 7th, and 8th grade this year.

THE CENTER FOR

GIFTED STUDIES

SUMMER PROGRAM FOR VERBALLY AND MATHEMATICALLY PRECOCIOUS YOUTH (VAMPY), June 22 - July 12, 2014

Turning 31 this summer, this residential program provides the opportunity for students to spend three weeks studying one course in great depth. To be eligible, a student must be completing the 7th, 8th, 9th, or 10th grade this year and have earned a qualifying SAT or ACT score.

THE SUMMER CAMP, July 14 - 18, 2014

The Summer Camp is a day camp designed for advanced ability and high interest children who have been in grades one, two, three, and four during the 2013-2014 school year.

THE CAROL MARTIN GATTON ACADEMY OF MATHEMATICS AND SCIENCE IN KENTUCKY Contact The Center for Gifted Studies for more information or go to www.wku.edu/academy.