



2015

SUMMER CAMPS

Programs for students who have just completed grades 5-12

www.purdue.edu/geri



PURDUE
COLLEGE OF EDUCATION



About

the Gifted Education Resource Institute

The Gifted Education Resource Institute (GERI) at Purdue University is an innovative center dedicated to the discovery, study, and development of human potential. Founded by John Feldhusen in 1974, GERI's mission is holistic development of giftedness, creativity, and talents among individuals throughout their lifespan. This is accomplished through enriched programs for gifted, creative, and talented youth; graduate programs for future scholars and leaders; professional development and coursework for educators of gifted, creative, and talented students; and cutting-edge research in psychology and education related to giftedness, creativity, and talent development. GERI's work encompasses:

- **Researching gifted education and the psychology of talent development.**
- **Educating professionals from around the world to promote the development of gifted, creative, and talented individuals.**
- **Providing services and special programs for gifted and talented individuals and their families.**

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Purdue Gifted Education
Resource Institute



"I loved meeting new people, understanding new cultures, learning new things, and definitely being able to attend Purdue University for two weeks."

What makes **GERI** Summer Camps so great?



GERI has been serving gifted, creative, and talented students since 1974. Every summer students like you come to Purdue University and experience programs designed to stimulate their imaginations and expand their abilities. We also offer a variety of recreational activities and a chance for you to get a taste of college life as you live on campus in Purdue's residence halls.

Here's what you'll experience at GERI Summer Camp:

Intellectual Challenge - GERI classes are small, challenging, fast-paced, and interactive.

Talented and Caring Staff - Our teachers thrive on sharing their knowledge and experience with students.

Outstanding Facilities - Purdue is a world-class research university, and GERI students have the use of state-of-the-art laboratories, computing facilities, and a variety of libraries.

Friendships - GERI attracts a diverse group of gifted, talented, and creative people from all over the world! You will find friends who share your interests and love of learning.

Independence - With supervision, guidance, and support from the GERI staff to help you adapt and thrive, you will live in residence halls, learn in university classrooms and labs, and take advantage of Purdue's cultural and recreational facilities, just like college students.

Fun - GERI camp counselors make time outside of class rewarding through activities including swimming, basketball, bowling, scavenger hunts, game tournaments, and field trips.

Looking for a challenge this summer?

Ready to have fun in a supercharged intellectual atmosphere?

Then GERI Summer Camps at Purdue University are for you. Come and discover what the world of knowledge has to offer!

- **Develop critical thinking skills by investigating current, real-life issues.**
- **Discover mysteries in the world of art, science, and technology.**
- **Create videos, paintings, models, computer games, and more!**
- **Venture into new subjects like forensic science, 3D printing, and robotics.**
- **Experience historical events and international cultures.**
- **Renew old friendships and build new ones.**

Please check our Web site for updated course information.

June 28-July 4
and July 5-12

comet

For students who have *completed* grade 5 or 6

Cost Per One-Week Session:

Commuter - \$625, Residential - \$975

(Comet students have the option of commuting to campus each day or staying in the residence hall.)

course descriptions

COMET I – June 28-July 4

CSI Investigation

Explore the skills used by criminal investigators to solve crimes through hands-on activities in observation, finger printing, DNA, blood splatter, and handwriting analysis. Build a set of skills that will enable you to use critical thinking and problem solving to investigate crimes and determine the appropriate methods needed to crack the case.

STEM Speak

The language of science, technology, engineering, and math is all around us, but how can we use it more effectively? This course is designed to equip you with skills to help you more effectively express your ideas through both the written and spoken word. Many of you will have careers in STEM disciplines, and it is imperative that you are able to communicate complex, technological information to all types of audiences.

Spinning Stories & Plotting Plays

Learn how to write successful stories and phenomenal plays. Explore important aspects of storytelling, like plot, dialogue, suspense, and character in this workshop. You will come away with several short stories and a completed play. Strengthen your acting skills as you perform in plays you and your classmates create.

It's a Matter of Fun

What's matter? It's the stuff that EVERYTHING is made of. In this class we will explore how matter behaves and then we will use what we learn to create art, construct toys, and concoct some slippery, squishy, and slimy goods!! So you see, matter really is fun!!

Art of the Americas

Enjoy exploring the art and culture of Incan, Mayan, and Aztec empires, Latin Americans, and other cultures of North America, like the Navajo and Inuit Indians. Discover the artistic mysteries of the Brazilian rainforests and Arctic tundra. In this class you will be introduced to the diversity of indigenous Americans spanning two continents and produce artwork that reflects their cultures.

3D Geometric Design in Math

Join nationally recognized mathematics professor Rachel McAnallen, aka "Ms. Math," as she takes you on a mathematical journey through exciting, interactive activities. You will design mosaics with a compass and straight edge, make math models with paper, solve hands-on puzzles, create Escher-style artwork, and participate in number-sense math games.



Brain Teasers & Logic Puzzles

Do you enjoy Sudoku, grid puzzles, wordles, and other brain teasers? If so, this is the class for you! You will develop deductive reasoning, lateral thinking, and logical thinking in various scenarios to solve difficult problems. Create difficult puzzles of your own and see if you can stump your classmates. Get your game on and take the challenge!

What's the Buzz About?

Did you know that animals pollinate approximately 75% of the plant crops grown worldwide for food, beverages, spices, and medicines? Did you also know that human activity is responsible for the decline in the number of these animals?! It's true. Join us in our quest to save native insect pollinators by learning about their importance in agriculture and our world, by building an insect hotel, and by designing and planting a pollinator garden. NOT RECOMMENDED for students with insect allergies of any kind.

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COMET II – July 5-July 11

Structural Engineers: Making the World Safe One Building at a Time

Ever wonder how the Sears Tower was built? How do buildings in California survive earthquakes? How can bridges span so far? Come and learn what engineers do to make sure buildings and bridges are safe. Through projects, hands-on activities and class trips, have fun while learning about structural engineering.

CSI Investigation

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Business Basics

Want to start your own business? Want to help other people? In this class you and your business partners will put together a business plan, make a product, market your product, and sell your product. All the income generated from your savvy business sense will be used to fund another project that will help others. All this and more in just one week!

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Entomologists In Progress

What do you know about insects and the habitats they live in? Do you know about the contributions insects make or do they just “bug” you? In this class we will set a variety of traps and collect insects from four different habitats on and around Purdue University’s campus. You will be fascinated by insect adaptation, insect curation, and identification while you make your own pinned insect collection. NOT RECOMMENDED for students with insect allergies of any kind.

“The things I liked best about attending GERI were the teacher, the class, the opportunity to meet new people and the food.”

Please check our Web site for updated course information.

June 28-July 11
and July 12-25

star

For students who have *completed* grade 7 or 8

Cost Per Two-Week Session: \$1,950

Please select one morning class and one afternoon class for the two-week session you have selected. If you would like to join us for four weeks, please choose one morning class and one afternoon class for each session.

course descriptions

STAR I – June 28-July 11 MORNING CLASSES

Abnormal Psychology: Should Mickey Mouse be Medicated?

Explore abnormal psychology from a perspective of psychopathology by examining the personalities of famous Disney characters. Look at the underlying causes of character behavior through psychological disorders. Understand how these disorders cause interpersonal and intrapersonal conflicts as you explore the fields of popular neurological science, social psychology, and abnormal psychology.

Vet Med

Are you thinking of becoming a veterinarian or just interested in biology? Explore the complex world of animal anatomy through labs, dissection, lectures, activities, computer projects, guest speakers, ecosystem field work, field trips, and much more. Come and find out what makes animals tick.

Statistics Unchained: Discovering the Power of Information

Have you ever asked how many kids like you are in the world? How many of them have access to education or clear water or both? Supported by the huge amounts of data available, statistics helps us answer these and many other questions about worldwide issues. Come and join us as we explore the exciting “data-world”.

Hands on Mathematics

Stretch your understanding of math by working on real-world math problems while you share ideas and learn from your classmates. Many different hands-on activities using cubes and tangrams will challenge your mind as you explore geometry and algebra concepts. Learning math has never been so fun!

Short Form Improv

Improv, it's not just for laughs! Short form improv like the show *Whose Line Is It Anyway?* builds strong listening, teamwork, public speaking, and rapid fire creative skills. Come practice Chicago-style improv through fun interactive games that will challenge teams of bright minds and leave you with a smile.

Art from the Heart

Want to develop your visual communication skills? Explore ways to express personal identity and stories through art. Personal meaning is the basis for each project and the motivation behind each unique creation. Skills and techniques for various media will be taught along with the incorporation of literacy.

Design Thinking

Do you enjoy design thinking? This course will provide students with the opportunity to learn how to design with a specified user in mind. The course will be based around the process used by the internationally recognized *Stanford University d. School*. The process is unique in the way that it is solely dependent on the wants of the user. Take the challenge to develop prototypes of products that solve the needs of others around you.

STAR I – June 28-July 11 AFTERNOON CLASSES

3D Printing

Turn your passion for design into real prototypes in this 3D modeling course. Use software and 3D printers to develop models while working in a state-of-the-art computer lab. Take your designs from an idea to reality and research how 3D modeling techniques are used in a variety of professions.



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Building Healthy Communities

Have you ever looked at people engaging in risky or dangerous behaviors and wanted to help change those behaviors? In this course you will explore health communication through the creation of health campaigns. You will learn how to interview your peers, administer surveys, and create promotional materials aimed at encouraging healthy behaviors.

Cruise (not crash) Course in Aviation

The graceful flight of birds has perplexed the minds and tickled the imaginations of mankind for centuries. Join a Purdue flight instructor as you explore the physics of flight and aircraft design. Expand your knowledge as you design and modify your own airplane and consider how pilots use this information to have a safe flight. The sky's the limit!

Toy Design Lab in Mechanical Engineering

Ever wonder how “funology” (fun and play value) and basic physics are combined in toy design? Discover how simple toys work and, with a toy design team of fellow students, engage your imaginations as you create sketches of potential toys. Learn how to use computer-aided design tools to create one of your toys using laser cutting and 3D printing. Showcase your new funology knowledge and design skills as your group demonstrates your toy in our 1st Annual GERI Toy Fair! See https://Engineering.Purdue.edu/toydesign/wp/?page_id=296 for an explanation of this process!

STEAM LABS™

Students, engineers, artists, and hobbyists around the world now design and build Rube Goldberg®-style machines to satisfy society’s fascination with the creative contraptions. Apply the engineering design process to construct STEAM Machines (i.e., chain reaction machines that run on STEM and Art concepts) using everyday objects and technology such as motors, sensors and micro-controllers. Gain experience with systems thinking and multi-team collaboration as you learn real-world engineering skills and start exploring pathways to better understand careers in engineering.

Videography & Photojournalism

Would you like to make your own movie or learn how to take pictures worthy of being featured on the cover of a magazine? In this class you will operate digital cameras and other video equipment, conduct interviews, apply creative photographic techniques, and learn about lighting and sound support. Create the GERI Summer Residential Program’s yearbook and explore videography and photojournalism from every angle.

STAR II – July 12-July 25 MORNING CLASSES

Breaking News: Current Problems, Issues, and Events

Examine major domestic and international issues of our time, such as education, health care, immigration, foreign and defense policy, death penalty, gay marriage, abortion, and the legalization of marijuana. Discuss and debate issues while you design potential solutions to real-world problems.

It’s a Visual World!

The world around you is filled with visual messages. When you have something to say, it is important that your message stands out. By learning and practicing the principles of graphic design, you will communicate your message more powerfully. In this applied course, you will create, analyze, and share graphic design messages.

Vet Med

Are you thinking of becoming a veterinarian or just interested in biology? Explore the complex world of animal anatomy through labs, dissection, lectures, activities, computer projects, guest speakers, ecosystem field work, field trips, and much more. Come and find out what makes animals tick.

Exploring the World of the Dystopian Novel

Dystopian novels, like The Hunger Games Trilogy and Divergent, are very popular today. What is it that makes these novels and others like them so appealing, even when these novels paint such a stark picture of our future? Have you ever wondered about how authors of these novels use current trends, issues, and topics affecting the world today to shape their bizarre worlds? Are these novels written for pure entertainment value, or are there deeper themes to be discovered? Join us as we explore these questions, and more, as we read excerpts from a wide variety of dystopian novels, including information about the times in which they were written.

The Artsy Scientist

Do you love learning about science? Do you also love being creative and doing art projects? What if you could use what you learned about science to create art! Sounds like a match made in the science lab! Take this class and learn exactly how science is art and art is science.

Geology Rocks!

Volcanoes and earthquakes and floods... oh my! Why don’t some buildings fall during an earthquake? How can we rate volcanic eruptions? Is there enough water for everyone on Earth? And who dirtied the water? How can we reconstruct Pangea, or a dinosaur? How long is a long time? What do the rocks tell us? And what makes a rock...a rock? Put on your thinking cap and boots, and get ready to explore the wonderful world of geology.

What’s the Buzz About?

Did you know that animals pollinate approximately 75% of the plant crops grown worldwide for food, beverages, spices, and medicines? Did you also know that human activity is responsible for the decline in the number of these animals?! It’s true. Join us in our quest to save native insect pollinators by learning about their importance in agriculture and our world, by building an insect hotel, and by designing and planting a pollinator garden. NOT RECOMMENDED for students with insect allergies of any kind.

STAR II – July 12-July 25 AFTERNOON CLASSES

Fun with Programming

Do you want to learn the kind of programming language experts use to create PC games? Do you want to design your own game? If your answer is yes, then join us in Fun with Programming where you will learn how to “program” what your imagination dreams up!

STEM Speak

The language of science, technology, engineering, and math is all around us, but how can we use it more effectively? This course is designed to equip you with skills to help you more effectively express your ideas through both the written and spoken word. Many of you will have careers in STEM disciplines, and it is imperative that you are able to communicate complex, technological information to all types of audiences.

Writing Science Fiction & Fantasy

Fantasy books like Lord of the Rings or science fiction books like The Hitchhiker’s Guide to the Galaxy have

the power to transport us to different worlds, while challenging us to think differently about our own world. In this class, you will have the opportunity to write your own science fiction and fantasy stories. Learn about word building, character, plot, dialogue, and other components of successful stories. You will leave with a finished story and the tools to create many others.

The Mathematical Artist

Is Spirograph just a kid’s toy? Or is it an art making math machine? Did Kandinsky use geometric shapes in his art on purpose? How did Mondrian use rectangles and black lines to make art? What can you do with a parabolic line? Can string art really help us understand geometry? If you like math and you like art, take this class and see how math really does factor into art.

Leadership 101

Do you want to make a difference in your own community, become the CEO of a multi-national company, or hope to become the president of a country one day? If so, you are going to need a toolbox of essential skills all leaders must develop. This class will get you started on your journey to discover the hidden leader inside of you.

Mingling with the Masters

Have you ever wanted to really paint a masterpiece? Come and explore who the great masters were and how they created their works. Create your own masterpieces! Of course, you can! Enjoy the many studio projects that will be offered.

Entomologists In Progress

What do you know about insects and the habitats they live in? Do you know about the contributions insects make or do they just “bug” you? In this class we will set a variety of traps and collect insects from four different habitats on and around Purdue University’s campus. You will be fascinated by insect adaptation, insect curation, and identification while you make your own pinned insect collection. NOT RECOMMENDED for students with insect allergies of any kind.

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Ever wonder how “funology” (fun and play value) and basic physics are combined in toy design? Discover how simple toys work and, with a toy design team of fellow students, engage your imaginations as you create sketches of potential toys. Learn how to use computer-aided design tools to create one of your toys using laser cutting and 3D printing. Showcase your new funology knowledge and design skills as your group demonstrates your toy in our 1st Annual GERI Toy Fair! See https://Engineering.Purdue.edu/toydesign/wp/?page_id=296 for an explanation of this process!

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Would you like to make your own movie or learn how to take pictures worthy of being featured on the cover of a magazine? In this class you will operate digital cameras and other video equipment, conduct interviews, apply creative photographic techniques, and learn about lighting and sound support. Create the GERI Summer Residential Program’s yearbook and explore videography and photojournalism from every angle.

Please check our Web site for updated course information.

June 28-July 11
and July 12-25

pulsar

For students who have *completed* grade 9, 10, 11, or 12

Cost Per Two-Week Session: \$1,950

Please select one morning class and one afternoon class for the two-week session you have selected. If you would like to join us for four weeks, please choose one morning class and one afternoon class for each session.

course descriptions

PULSAR I – June 28-July 11 MORNING CLASSES

Wings of Glory

The scientific principles of flight are explored as students investigate the history of aviation and create scale models of airplanes of the past. The model planes will require calculating aspect ratio, wing span, and center of gravity. Join us and imagine yourself as the next World War One Flying Ace!

Serious Gaming in the Classroom

Using various electronic games, students will use teamwork, problem-solving skills, and goal-based activities to problem solve and research the role(s) of gaming in the classroom. Students will seek the benefits of Serious Gaming and its application to the educational classroom and present their research findings.

Border Writings

Do you know your boundaries? Explore a number of stories and literary theories related to borders—from geographic borders to the boundaries between “fantasy” and “reality” or “monster” and “human.” Students will read and discuss a number of narratives and will ultimately create their own border narratives.

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of these novels use current trends, issues, and topics affecting the world today to shape their bizarre worlds? Are these novels written for pure entertainment value, or are there deeper themes to be discovered? Join us as we explore these questions, and more, as we read excerpts from a wide variety of dystopian novels, including information about the times in which they were written.

Physics of Transportation: From the Walker to the Rocket

Join in us on a practical journey through time and physics as we explore various modes of transportation. From a simple walk to rockets—through bicycles, cars, trains, ships, balloons, aircrafts, and more—you never thought of all the interesting physics behind every move we make and how all of these modes of transportation are related.

Finding Your Niche: Dispersal Strategies of Plants

How do plants get around with their roots stuck in the ground? They toss their seeds to the wind, drop them in the water, or hitch them to animal pelts to find their own place in the world. We will integrate ecology, evolution, and plant biology to explore the remarkable diversity of dispersal strategies in plants.

Computer Design and Rapid Prototyping with Toys

Ever wonder how “funology” (fun and play value) and physics are combined in toy design? Discover how complex toys work and, with a toy design team of fellow students, engage your imaginations as you create sketches of potential toys. Using computer-aided design tools, create one of your toys using laser cutting and 3D printing. Showcase your new funology knowledge and design skills as your group demonstrates your toy in our 1st Annual GERI Toy Fair! See https://Engineering.Purdue.edu/toydesign/wp/?page_id=296 for an explanation of this process!



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PULSAR I – June 28-July 11 AFTERNOON CLASSES

Ferroequinology: The Study of the Iron Horse

There are many types of model trains that include electric trains, battery operated trains, mechanical wind-up trains, floor trains. The physics demonstrated in model railroading provides a better understanding of Newton’s Laws of Motion. Don’t miss this opportunity to observe and investigate the different types of trains!

Who is Policing the World?

Are you interested in politics and like the idea of participating in a mock United Nations Security Council meeting? Come and explore the history of the United Nations and make up your own minds regarding the organizations relevance for the future. Will diplomacy or conflict win out?

Murders that Changed History

Take a ride into history’s most gruesome murders and let the tales of Lizzie Borden, Ted Bundy, Charles Manson,

The Black Dahlia, The Boston Strangler, and others show you how history was changed because of tragedy. Explore in depth the psyche of murder, the details behind the crime, and how these crimes changed the face of history forever.

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Videography & Photojournalism

Would you like to make your own movie or learn how to take pictures worthy of being featured on the cover of a magazine? In this class you will operate digital cameras and other video equipment, conduct interviews, apply creative photographic techniques, and learn about lighting and sound support. Create the GERI Summer Residential Program's yearbook and explore videography and photojournalism from every angle.

PULSAR II – July 12-July 25 MORNING CLASSES

Physics of Machines and Mechanical Toys

Join us as we learn about how the six simple machines are incorporated in the workings of more complicated machines, like amusement park rides, steam locomotives, airplanes, and race cars. Take advantage of this opportunity to design and build a prototype mechanical toy using K'Nex or Erector parts.

Who is Policing the World?

Are you interested in politics and like the idea of participating in a mock United Nations Security Council meeting? Come and explore the history of the United Nations and make up your own minds regarding the organizations relevance for the future. Will diplomacy or conflict win out?

How to Make Cells Glow

Did you know that some proteins glow? Come explore how the jellyfish green fluorescent protein has been revolutionary for research in everything from cancer to synthetic biology to neuroscience. Learn all about the chemistry behind the glow and get some hands-on experience in molecular biology as we light up some live cells.

Fun with Programming II

Do you want to use your computer to solve interesting problems? Do you want to learn algorithms and design interesting games with them? If you have some programming experience and want to improve your programming skill, please join us. Let's create interesting programs together! PRE-REQUISITE: Fun with Programming or course in programming.

STEM Speak

This course is designed to equip you with skills to help you more effectively express your ideas through both the written and spoken word. Many of you will have careers in STEM disciplines, and it is imperative that you are able to communicate complex, technological information to all types of audiences. The information you present will be largely based on your experience in technological areas.

Young Authors' Workshop

Challenge yourself to craft and revise a short story in this fast-paced fiction workshop. Participants will read and learn from successful short stories and undertake unique writing prompts that will help them write their own story. The course will culminate with students workshopping each other's pieces.

Statistics Unchained: Discovering the Power of Information

Have you ever asked how many kids like you are in the world? How many of them have access to education or clear water or both? Supported by the huge amounts of data available, statistics helps us answer these and many other questions about worldwide issues. Come and join us as we explore the exciting "data-world".

Short Form Improv

Improv, it's not just for laughs! Short form improv like the show *Whose Line is it Anyway?* Builds strong listening, teamwork, public speaking, and rapid fire creative skills. Come practice Chicago-style improv through fun interactive games that will challenge teams of bright minds and leave you with a smile.

PULSAR II – July 12-July 25 AFTERNOON CLASSES

Jurassic Paleobiology

Students will have the opportunity to explore life that existed on the Earth millions of years ago. Topics in Jurassic Paleobiology will include dinosaur anatomy, eating, locomotion, growth, environmental and behavioral adaptations, origins and extinction. Surrounding plant life and insect life will also be investigated. The chemistry of fossilization, climate change, competition and the

evolutionary changes in the dinosaur populations are explained and studied. Jurassic Paleobiology is a science that uses fossils to understand evolutionary and ecological history of life. By studying the biology of dinosaurs, plants and insects the students will create 3D models of Jurassic plants, insects, dinosaurs, fossils, track ways, trace fossils and dinosaur biomes.

Understanding Diplomacy Through Game Theory

Learn and use theories such as Nations as Actor, Resource Wars, and Hard Power vs. Soft Power to understand how nations make decisions on foreign policy. Apply these principles while playing a version of the classic board game RISK.

Breaking News: Current Problems, Issues, and Events

Examine major domestic and international issues of our time, such as education, health care, immigration, foreign and defense policy, death penalty, gay marriage, abortion, and the legalization of marijuana. Discuss and debate issues while you design potential solutions to real-world problems.

Introduction to Engineering Design

Do you enjoy creating new things? Engineers design everything from airplanes, cars, machines, and bridges. Do you enjoy working with others? Engineers spend a lot of time brainstorming and communicating with other engineers to build things. Join us as we learn about the many types of engineers and the basic design process they all use.

Green Films: Nature and Eco-Disaster in Movie and on TV

Come and explore the relationship between nature and culture through engaging and exploring pieces of "ecocritical literary theory" and by applying these theories to a selection of ecologic films and TV shows. Use your new skills to create your own "green" text.

Building STEM Identities

When STEM professionals are shown in movies, you might ask yourself, "Could they really do that? Could I solve those problems too?" Yes, you can! We will look at some examples of problem-solvers in the movies and work through similar challenges to bring this fantasy to life!

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"Our counselors were very nice and helpful."

Program

details

No-Show Policy – Students who register for the program but who do not attend will still be charged the full tuition amount unless we receive a cancellation request in writing two weeks before the start of the camp.

Accommodations

- **Facilities** - Students live in residence halls on the safe, friendly West Lafayette campus of Purdue University. Located just a short walk from students' classes, libraries, computing centers, and recreational facilities, the residence halls are fully air-conditioned and easily accessible to students with physical disabilities. Male and female students are housed on separate wings of the building, and no visits to opposite-gender floors are allowed.
- **Roommates** – Each participant will be paired with a roommate, as available. Upon the camper's acceptance into the program, GERI will send an additional form to accommodate roommate requests.
- **Check In/Check Out** – Campers will check-in between 11:30 a.m. and 2:00 p.m., Eastern Standard Time, on the Sunday their program begins. Check out is no later than 11:30 a.m. on their final Saturday. Students attending over Independence Day, July 4, will have the opportunity to see the local fireworks display and participate in social activities.
- **Social Life** – An enjoyable social experience is just as important as the academic learning, and the residence hall is the social hub of GERI Summer Camp. Lounges and common areas give students places to play music and games, watch movies, share a snack, read a book, collaborate on projects, or even do their laundry. Our friendly, experienced counseling staff works hard to create an environment in which all students feel safe, comfortable, and right at home.
- **NEW! 'Refer a Friend' Program** – Returning campers who refer a friend as a first-time attendee will receive Purdue-themed items once the referred friend attends camp.

- **GERI Global Gala and Talent Showcase** – GERI campers come from all over the world and from many different cultures. We encourage you to share your culture with others during the Global Gala. Share a talent by performing a dance or singing a song. Teach a popular game that is played in your country or tell a story. Bring an item from home that represents your culture. Through food, music, dancing, and other cultural activities, promote your culture and heritage and give others a glimpse at what life is like in your community.
- **Dining** – The award-winning Purdue dining courts offer something for everyone. The dining court serves a varied menu of hot meals, a salad bar stocked with fresh fruits and vegetables, juices and drinks, cereals, and sandwiches. Even picky eaters or those with special dietary needs will have an appetizing variety of healthy foods from which to choose.

Supervision

- **Safety** – Key card building access and 24-hour residence hall staff help summer students feel comfortable and secure. Comet students will be escorted to and from classes daily.
- **Counseling Support** – Staff members supervise activities and field trips away from the residence hall and are always available to students who choose to stay at the residence hall during afternoon activities. Comet students never leave the residence hall without staff supervision. Star and Pulsar students may leave the residence hall only in pairs, after signing out with their counselor. Unless they are with a staff member, students may not go beyond the academic campus and the small shopping areas near the residence hall.
- **Medical Care** – Medical information and permission for treatment will be collected from participants before the program begins. Parents will be notified of any medical emergency or illness as soon as possible.



geri@purdue.edu



(765) 494-7243



www.purdue.edu/geri



Purdue Gifted Education Resource Institute



| Daily Schedule | |
|----------------|--|
| 7-8:30 a.m. | Breakfast |
| 8:30-11:30 | Morning class |
| 11:30-1 p.m. | Lunch |
| 1-4 | Afternoon class |
| 4-5 | Recreational activities/free time/study time |
| 5-6 | Dinner |
| 6-7 | Meet with Small Groups |
| 7-9 | Activity sessions |
| 9-11 | Free/study time, group activities |
| 11 | Lights out/bed check (midnight on weekend) |



Limited program medical insurance covers most basic costs, including emergency hospitalization, but any additional medical expenses or expenses related to existing conditions are the responsibility of the parents. Campers should bring an adequate supply of prescription medication in the original container to camp.

Financial Information

- **Tuition** – The program fees cover room and board, tuition, textbooks and course materials, limited medical insurance, and a GERI T-shirt. The fee does not cover incidental expenses, optional afternoon or weekend activities, or transportation to and from Purdue University. A tuition deposit of \$100 per student is due with the application and will be refunded only if the student is not accepted into the program contingent upon eligibility and class availability.

| Tuition (per session) | | | |
|-----------------------|-------------------|---------|---------|
| COMMUTER COMET | RESIDENTIAL COMET | STAR | PULSAR |
| \$625 | \$975 | \$1,950 | \$1,950 |

- **Payment** – Payment in full, including any late fees, is due June 1. Payments can be made via check, money order, VISA, MasterCard, and Discover. No cash will be accepted. We cannot process your application until a down payment of \$100 is received. Attendance at camp may be denied if payment is not received in full by the first day of camp.
- **Late Fees** – A late fee of \$50 will be added to your bill if the application is received after June 1, 2015.
- **Refunds** – Students who withdraw prior to two weeks before the program begins will receive a refund equal to any paid tuition less the \$100 deposit. No refunds will be made for failure to attend camp without two-week notice prior to the start of camp.
- **Financial Assistance** – GERI provides a limited number of partial scholarships to students with financial need. To be considered for financial aid, a student must submit a complete application, including the financial aid section, and meet program eligibility criteria. Scholarships are awarded on a first-come, first-served basis. Applications for financial aid will not be considered before a complete application is submitted and program eligibility is established. Because funds are limited and the demand for financial assistance exceeds our resources, we strongly recommend submitting an application as early as possible. Qualifying for financial aid in a previous program does not guarantee aid in subsequent programs.

Travel to Purdue University

- **By Car** – West Lafayette is just off I-65 between Indianapolis and Chicago. See our Web site for detailed directions.
- **By Plane** – Fly into the Indianapolis International Airport. Check with your airline for their policy regarding unaccompanied minors. Shuttle service to Purdue University is offered by Lafayette Limo (www.lafayettelimo.com, 765-497-3828) for \$50, round trip. GERI offers airport transportation for a fee of \$60, round trip, payable when the application and deposit are submitted. **Please indicate if you need picked up at the airport in the “Application Fees” section of this form.** E-mail geri@purdue.edu at least one month prior to your program’s start date to confirm arrangements.

International Students

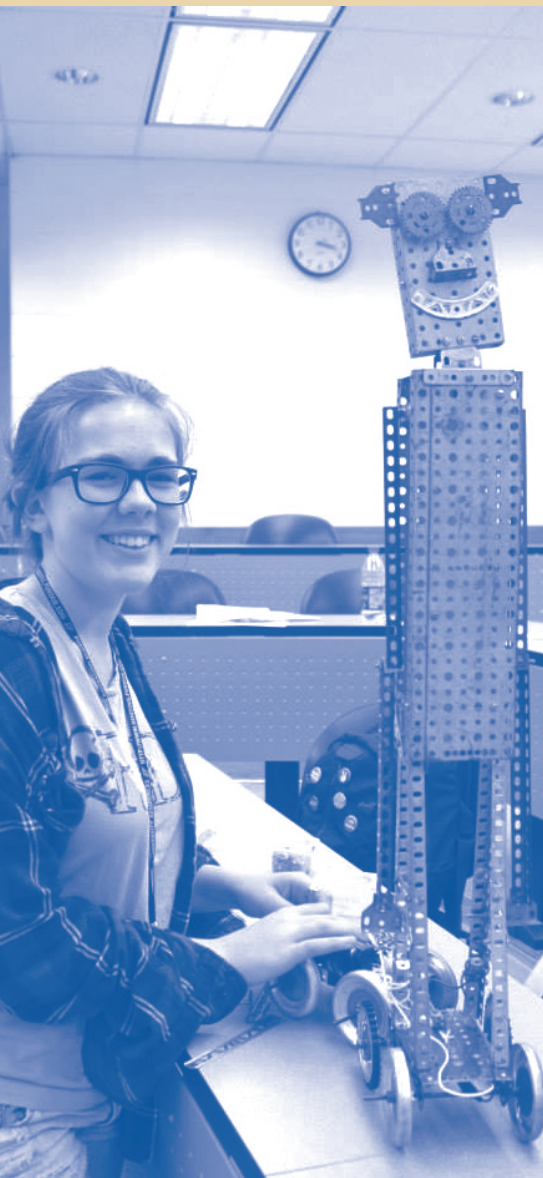
International student groups or individual students attending this two-week educational seminar may be eligible to do so with a B status visa waiver by showing their invitation letter upon entry into the United States. To learn more about this program, or if you are not sure whether you country is eligible for participation, please visit <http://travel.state.gov/content/visas/english.html>.



Admission

requirements

GERI Summer Camps are designed for talented students who have demonstrated an ability to succeed academically or artistically and are motivated to strive for additional challenges.



New Students

1. Complete program application form on pages 11 - 12.

2. A one- to two-page essay or alternative media (such as a Web site, PowerPoint presentation, or art portfolio) statement that addresses your desire and motivation to participate in the Summer Residential program. Use the following questions as guidelines:

1. Why did you select the class(es) you have chosen?
2. In what ways do you think you will benefit from the program?
3. Why do you want an academic and/or artistic challenge?
4. If accepted, what will you contribute to the success of the program you attend?

3. Please provide **ONLY TWO** of the following documents:

- Student grade transcript showing a GPA of 3.5/4.0 (B+) in the talent area related to the applicant's choice of GERI class(es). Grades may be from the most recent year or cumulative.
- Individual or group intelligence test results with a minimum score of 120. Please submit results from the test company or school.

- National or state achievement or aptitude test results at or above the 90th percentile in a specific area of study. These tests must provide comparison scores and percentile rankings, not percentages correct. Examples include ITBS, I-STEP, CAT, MAT8, Midwest Talent Search, SAT, PSAT, ACT, or PLAN tests. Please submit test reports.

- Recommendation letter from a teacher or mentor in the talent area. This letter must address specific examples of the student's performance, experiences, and potential in the talent area of the class(es) he or she has selected.

- Documentation of involvement in the talent area. Such documentation can include awards, certificates, service, or recognition letters documenting involvement.

Returning Students

Complete program application form on pages 11 - 12.

Don't forget about our new Refer-a-Friend program described on page 8.

GERI Summer Camps

application

I am applying for the following program (choose one):

- COMET - (for those who have completed grade 5 or 6) SN15417
- STAR - (for those who have completed grade 7 or 8) SN15418
- PULSAR - (for those who have completed grade 9, 10, 11, or 12) SN15419

www.purdue.edu/geri

Side 1

Registration opens 2/1/2015. **NEW!** Use our online application for faster registration!

Go to www.purdue.edu/geri for the registration link and document upload instructions.

In order to be considered for your chosen program, you must complete both sides of this application and return along with:

(1) Student essay or alternate media; (2) Two of the academic eligibility documents; (3) \$100 deposit; (4) \$60 transportation fee, if applicable.

GERI reserves the right to cancel programs at any time. Purdue University is not responsible for costs incurred due to cancellation.

Purdue is committed to making its programs accessible to individuals with disabilities. If you require an accommodation or special assistance for this program due to a disability, please contact us at (765) 494-2758.

Applicant Information

Return to:

GERI Summer Camps
Purdue University
Beering Hall, Room 5178
100 North University Street
West Lafayette, IN 47907-2098

Phone: (765) 494-7243

Fax: (765) 496-2706

Name _____
Last First Middle Initial

Date of Birth _____

Ethnicity (optional/check one)

- Native American/Alaskan Native
- Caucasian, Non-Hispanic

- Multi-Racial
- Hispanic
- African-American, Non-Hispanic

- Pacific Islander
- Asian
- Other

Gender _____ Grade 2014–15 _____ Home Phone (_____) _____

Mailing Address _____

City _____ State _____ ZIP _____

Check all that apply:

- I have participated in a previous session of the summer programs at Purdue.
- I am applying for financial aid. (To be considered for aid, you must also return the Financial Aid Application.)
- I do not give permission for my photo or image to be included in the GERI yearbook or be used for publicity purposes.
- I am referring a friend. Name of friend _____.

Please indicate below how you heard (found out) about the GERI program.

- Friend
- School Counselor
- Mailed to your home
- School Teacher
- GERI Web site
- Facebook
- Internet search such as Google
- Other (please specify): _____

Parent/Legal Guardian Information

Parent/Legal Guardian Name _____

Work Phone (_____) _____ Cell (_____) _____

Parent/Legal Guardian Name _____

Work Phone (_____) _____ Cell (_____) _____

E-mail Address *required* _____

Not all parents have the means to send their children to GERI summer camp. Your monetary donation will help us offer scholarships to qualified children with financial need. Please consider making a tax-deductible donation when you register your son or daughter. Thank you!

I would like to make a donation in the amount of:

- \$50
- \$100
- One half a Comet Registration (\$485.50)
- One Comet Registration (\$975)
- One half a Star/Pulsar Registration (\$975)
- One Star/Pulsar Registration (\$1950)
- Other (please specify): \$ _____

An equal access/equal opportunity/affirmative action university

GERI Summer Camps application

Side 2

Course Preferences

Please follow these instructions carefully:

1. Check the box next to each Summer Camp session you plan to attend.

2. Mark your 1st, 2nd, 3rd choices in the blank next to the class name (1 = first choice, 2 = second choice, etc.). If you plan to attend multiple sessions (e.g., Star I and Star II), list a first, second, and third choice for each session you plan to attend.

*** THIS COURSE CHARGES AN ADDITIONAL SUPPLY FEE NOT INCLUDED IN THE COST OF TUITION. PLEASE REFER TO THE COURSE DESCRIPTION FOR THE EXACT AMOUNT.**

Transportation Fee:

If you are requesting GERI transportation to and from the airport, an additional fee of \$60 is due when the application and \$100 deposit are submitted. Please indicate if you need picked up at the airport in the "Application Fees" section of this form.

Before sending:

Have you included the following required items (see page 10):

1. Completed application
2. Student essay or alternate media
3. Two of the academic eligibility documents
4. \$100 deposit
5. \$60 transportation fee, if applicable.

Return to:

GERI Summer Camps

Purdue University

Beering Hall, Room 5178

100 North University Street

West Lafayette, IN 47907-2098

Phone: (765) 494-7243

Fax: (765) 496-2706

COMET-SN15417 (completed grade 5 or 6)

Comet I, June 28-July 4 Commuter (\$625)

Comet I, June 28-July 4 Resident (\$975)

- _____ CSI INVESTIGATION
- _____ STEM SPEAK
- _____ SPINNING STORIES & PLOTTING PLAYS
- _____ IT'S A MATTER OF FUN
- _____ ART OF THE AMERICAS
- _____ 3D GEOMETRIC DESIGN IN MATH
- _____ BRAIN TEASERS & LOGIC PUZZLES
- _____ WHAT'S THE BUZZ ABOUT?

STAR-SN15418 (completed grade 7 or 8)

Star I, June 28-July 11 (\$1,950)

- Morning*
- _____ ABNORMAL PSYCHOLOGY: SHOULD MICKEY MOUSE BE MEDICATED?
 - _____ VET MED
 - _____ STATISTICS UNCHAINED: DISCOVERING THE POWER OF INFORMATION
 - _____ HANDS ON MATHEMATICS
 - _____ SHORT FORM IMPROV
 - _____ ART FROM THE HEART
 - _____ DESIGN THINKING
- Afternoon*
- _____ 3D PRINTING
 - _____ STATISTICS UNCHAINED: DISCOVERING THE POWER OF INFORMATION
 - _____ HANDS ON MATHEMATICS
 - _____ BUILDING HEALTHY COMMUNITIES
 - _____ CRUISE (NOT CRASH) COURSE IN AVIATION
 - _____ TOY DESIGN LAB IN MECHANICAL ENGINEERING
 - _____ STEAM LABS™
 - _____ VIDEOGRAPHY & PHOTOJOURNALISM

PULSAR-SN15419 (completed grade 9, 10, 11, or 12)

Pulsar I, June 28-July 11 (\$1,950)

- Morning*
- _____ WINGS OF GLORY
 - _____ SERIOUS GAMING IN THE CLASSROOM
 - _____ BORDER WRITINGS
 - _____ FUN WITH PROGRAMMING
 - _____ EXPLORING THE WORLD OF THE DYSTOPIAN NOVEL
 - _____ PHYSICS OF TRANSPORTATION: FROM THE WALKER TO THE ROCKET
 - _____ FINDING YOUR NICHE: DISPERSAL STRATEGIES OF PLANTS
 - _____ COMPUTER DESIGN AND RAPID PROTOTYPING WITH TOYS
 - _____ STEAM LABS™
- Afternoon*
- _____ FERROEQUINOLOGY: THE STUDY OF THE IRON HORSE
 - _____ WHO IS POLICING THE WORLD?
 - _____ MURDERS THAT CHANGED HISTORY
 - _____ PHYSICS OF TRANSPORTATION: FROM THE WALKER TO THE ROCKET
 - _____ LEADERSHIP 101
 - _____ DESIGN THINKING
 - _____ VIDEOGRAPHY & PHOTOJOURNALISM

Comet II, July 5-July 11 Commuter (\$625)

Comet II, July 5-July 11 Resident (\$975)

- _____ STRUCTURAL ENGINEERS: MAKING THE WORLD SAFE ONE BUILDING AT A TIME
- _____ CSI INVESTIGATION
- _____ STEM SPEAK
- _____ SPINNING STORIES & PLOTTING PLAYS
- _____ BUSINESS BASICS
- _____ 3D GEOMETRIC DESIGN IN MATH
- _____ BRAIN TEASERS & LOGIC PUZZLES
- _____ ENTOMOLOGISTS IN PROGRESS

Star II, July 12-July 25 (\$1,950)

Morning

- _____ BREAKING NEWS: CURRENT PROBLEMS, ISSUES, AND EVENTS
- _____ IT'S A VISUAL WORLD!
- _____ VET MED
- _____ EXPLORING THE WORLD OF THE DYSTOPIAN NOVEL
- _____ THE ARTSY SCIENTIST
- _____ GEOLOGY ROCKS!
- _____ WHAT'S THE BUZZ ABOUT?

Afternoon

- _____ FUN WITH PROGRAMMING
- _____ STEM SPEAK
- _____ WRITING SCIENCE FICTION & FANTASY
- _____ THE MATHEMATICAL ARTIST
- _____ LEADERSHIP 101
- _____ MINGLING WITH THE MASTERS
- _____ ENTOMOLOGISTS IN PROGRESS
- _____ TOY DESIGN LAB IN MECHANICAL ENGINEERING
- _____ VIDEOGRAPHY & PHOTOJOURNALISM

Pulsar II, July 12-July 25 (\$1,950)

Morning

- _____ PHYSICS OF MACHINES AND MECHANICAL TOYS
- _____ WHO IS POLICING THE WORLD?
- _____ HOW TO MAKE CELLS GLOW
- _____ FUN WITH PROGRAMMING II
- _____ STEM SPEAK
- _____ YOUNG AUTHORS' WORKSHOP
- _____ STATISTICS UNCHAINED: DISCOVERING THE POWER OF INFORMATION
- _____ SHORT FORM IMPROV

Afternoon

- _____ JURASSIC PALEOBIOLOGY
- _____ UNDERSTANDING DIPLOMACY THROUGH GAME THEORY
- _____ BREAKING NEWS: CURRENT PROBLEMS, ISSUES, AND EVENTS
- _____ INTRODUCTION TO ENGINEERING DESIGN
- _____ GREEN FILMS: NATURE AND ECO-DISASTER IN MOVIE AND ON TV
- _____ BUILDING STEM IDENTITIES
- _____ STATISTICS UNCHAINED: DISCOVERING THE POWER OF INFORMATION
- _____ VIDEOGRAPHY & PHOTOJOURNALISM

Application Fees

| | |
|--|-----------------|
| Tuition | \$ _____ |
| Supply Fees, if applicable | \$ _____ |
| Transportation (check appropriate box at right) | \$ _____ |
| Contribution | \$ _____ |
| Total | \$ _____ |
| Deposit | \$ _____ |
| Balance Due | \$ _____ |

I will need to be picked up at the Indianapolis International Airport and have included the additional fee of \$60 with this the application and \$100 deposit.

I will make my own transportation arrangements.

Please see page 9 for more travel information.

Registration may be cancelled if payment is not received in full by June 1.

Payment Method

Payment in full is due June 1.

Enclosed is a check made payable to Purdue University. Please charge full amount or deposit only to my: VISA MasterCard Discover American Express

Credit Card Number _____ Expiration Date _____

Printed Name _____ Signature _____

Financial Aid

application



Child's Name _____ Birth Date _____

Parent/Guardian Name _____

Home Phone (_____) _____ Work Phone (_____) _____

All amounts should be the total for the 2014 calendar year.

- 1. Adjusted gross income _____
- 2. Taxable income _____
- 3. Total Social Security benefits for 2014 _____
- 4. Total AFDC and/or ADC for 2014 _____
- 5. Child support received for all children _____
- 6. Number of household members
a. Yourself ____ b. Spouse ____ c. Dependents ____
Total of a, b, and c _____

I certify that the information supplied above is accurate.

Parent/Legal Guardian Signature _____

Please upload this financial aid document at www.purdue.edu/geri or return this complete form along with your application and eligibility documentation to:

GERI Summer Camps
Purdue University
Beering Hall, Room 5178
100 North University Street
West Lafayette, IN 47907-2098
Phone: (765) 494-7243
Fax: (765) 496-2706

PURDUE

UNIVERSITY

GERI SUMMER CAMPS

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(765) 494-7243 Fax (765) 496-2706

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JACK KENT COOKE

FOUNDATION

