

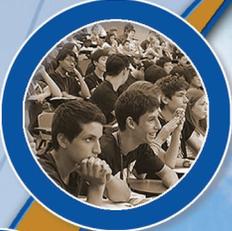


# 2014

# SUMMER CAMPS

Programs for students who have just completed grades 5-12

[www.purdue.edu/geri](http://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.**

### **CONTACT INFORMATION:**

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### **GERI STAFF**

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Purdue GERI Summer  
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*"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 imagination 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 of the world, so 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 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?**

**T**hen 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 chemistry, physics, and technology.**
- **Create videos, paintings, models, computer games, and more!**
- **Venture into new subjects like forensic science, nanotechnology, 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 29-July 5  
and July 6-12

# 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 29-July 5

#### 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.

#### Art of the Americas

Do you enjoy exploring the art and culture of Incan, Mayan, and Aztec empires or Native American communities? In this class you will investigate the artistic mysteries of the Brazilian rainforest, arctic tundra, and deserts of the southwest. Come discover the diversity of indigenous Americans and produce artwork that reflects their cultures.

#### “Bienvenido a la Aventura”: An Exploration in Spanish Language, Art, and Culture

Would you like to learn Spanish and explore the culture and art of the Spanish speaking world? In this course you will develop proficiency in the four language competencies (reading, writing, listening, and speaking) as well as visit Purdue’s Latin American Cultural Center and participate in hands-on activities such as cooking with an authentic Latin American/Mexican chef.

#### Brain Teasers and Logic Puzzles

Do you enjoy Sudoku, grid puzzles, and other brain teasers? If so, this is the class for you. You will develop deductive reasoning and practice using logic 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!

#### Cruise (not crash) Course in Aviation

The graceful flight of birds has perplexed the minds and tickled the imaginations of mankind for centuries. You will explore both the mathematics and myths of flight, as well as have an opportunity to talk with real pilots and to design your own aircraft. How high will you soar?

#### CSI Forensics

Are you interested in exploring the skills used by criminal investigators to solve crimes? In this class you will practice making observations, analyze finger prints, study DNA and blood splatter evidence, and investigate the techniques used in 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.

#### Morbid Medieval Medicine and Madrigal Madness

Are you fascinated by castles, knights, and Merlin the Magician? Come explore life in the Medieval Ages as you delve into the Canterbury Tales, construct simple machines, and investigate morbid medieval medicine. You will also attend a madrigal dinner and prepare for a tournament worthy of the knights of King Arthur’s court. Long live the king!

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## COMET II – July 6-July 12

### **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.

### **CSI Forensics**

Are you interested in exploring the skills used by criminal investigators to solve crimes? In this class you will practice making observations, analyze finger prints, study DNA and blood splatter evidence, and investigate the techniques used in 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.

### **Histories Mysteries: Empires of the Ancient World**

Have you ever wondered what happened to the great empires of the past? Journey back in time to the powerful Greek and Roman empires or choose to study the Aztec and Mayan civilizations. You will work as a detective to discover the truth behind their demise and select your own final project that fuses their culture with your own!

### **Mixing with the Masters**

Do you wish you could have hung out with great artists like Renoir, Van Gogh, and Picasso? Find out who they really were by investigating the forces that drove them to create their masterpieces. Learn about the worlds they lived in and the cultures that influenced them. Take a hands-on quest into the history of art and create your own masterpiece based on the Masters’ works.

### **Spinning Stories**

Have you ever read a book and not been able to put it down or watched a movie that had you on the edge of your seat? Both books and movies rely on strong, dynamic plots. In this course you will explore aspects of storytelling and create your own story that hooks readers and will not let them go. Could you be the next J.K. Rowling or Stephen King? You’ll never know until you try!

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

Ever wonder how the Sears Tower was built or how buildings in California survive earthquakes? Come learn what engineers do to make sure buildings and bridges stand strong. Learn to think like an engineer as you participate on a design team, build various structures, and then have fun trying to knock them down!

*“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 29-July 12  
and July 13-26

# 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 29-July 12 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.

### **Building Beautiful, Mind-Blowing Bridges**

Come learn how to build bridges that resist stresses, strains, and strong forces. By the end of the course you will build a suspension bridge of your own using various household materials and then test it for stability and strength. Will your bridge stand the test or end up at the bottom of the river?

### **Investigating the Properties of Chemistry**

Ever wonder what it would be like to be a chemist? In this class you will explore the physical properties and experimental techniques used in chemistry to identify and separate chemical substances. You will also investigate the theory and practical applications of heat transfer, intermolecular forces, solubility, melting point, electrical properties of substances, and more.



### **Leadership 101**

Do you want to make a difference in your own community, hope to become the CEO of a multi-national company, or dream of becoming 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 you.

### **The Mathematical Artist**

Do you like math and art, but do not see how they connect? In this class you will explore how related they really are. You will discover what a fractal is, if Kandinsky used geometric shapes in his art on purpose, and how Mondrian used rectangles and straight lines to make his masterpieces. Can string art really help us understand geometry? Take this course and find out.

### **Videography and 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 Programs' yearbook and explore videography and photojournalism from every angle.

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## STAR 1 – June 29–July 12 AFTERNOON CLASSES

### **3D Printing and Prototype Development**

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.

### **Forensic Files: Solving Mysteries with Science**

Ever wonder how detectives use finger printing, blood spatter, and DNA to solve crimes? Learn all about these techniques and more! In this course you will study interesting cases, practice collecting evidence, and use critical thinking skills to figure out 'whodunit'. Learn how to think like a detective and be the next Sherlock Holmes.

### **Housing Design and Your Future Life**

Do you want to be an architect or just always loved building with Legos? In this course you will build full scale geodesic domes, hexayurts, inflatable structures, and tabletop post and beam structures while discussing what systems are necessary to make them viable shelters in contemporary society.

### **The Artsy Scientist**

Do you love learning about science and doing experiments? Do you ALSO love being creative and doing art projects? What if you did an experiment and used your results to make a work of art? Sounds like a match made in the science lab! Take this class and learn exactly how science is art and art is science.

### **Vet Med**

Are you thinking of becoming a veterinarian or just interested in biology? Veterinary Medicine is one of GERI and Purdue's most popular and competitive programs. Explore the complex world of animal anatomy through extensive dissections, study of animal systems, and ecosystem field work. Come find out what makes animals tick!

### **Zombies, Tsunamis, and Catastrophes- Oh My! Exploring the World of Dystopian Literature**

Do you enjoy reading about fictional disasters that threaten humanity and the end of the world as we know it? In this class you will explore ten dystopian worlds, generate a list of warnings these tales may provide, and create a dystopian world of your own. Who knows? Maybe something you learn may save your life one day!

## STAR II – July 13–July 26 MORNING CLASSES

### **Breaking News: Current Problems, Issues, and Events**

Do you enjoy a good debate and reading about current events? Come examine major domestic and international issues of our time, such as education, health care, immigration, death penalty, gay marriage, abortion, and the legalization of marijuana. Discuss and debate issues while you design potential solutions to real-world problems.

### **Electronics in Action**

Electronics exist in every aspect of your life! In this course you will combine circuitry design with practical laboratory fabrication as you explore all aspects of electronic application, including residential construction, robotics, and automatic production line assembly.

### **Fun With Programming**

Do you want to learn a programming language that can be used to design computer games or create a virtual robot that can answer math problems for you automatically? Join us as we learn the fundamentals of programming with 'C' and improve your computational thinking ability along the way.

### **The "Design Your Own Course" Course**

Is there a topic you are passionate about or would like to investigate and GERI does not offer a course to help you? You can design your own course with the help of a trained teacher facilitator who will help you develop a personalized project plan and support you every step of the way. Spend your time this summer learning exactly what you want. Register today!

### **Vet Med**

Are you thinking of becoming a veterinarian or just interested in biology? Veterinary Medicine is one of GERI and Purdue's most popular and competitive programs. Explore the complex world of animal anatomy through extensive dissections, study of systems, and ecosystem field work. Come find out what makes animals tick!

### **Videography and 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 Programs' yearbook and explore videography and photojournalism from every angle.

## STAR II – July 13–July 26 AFTERNOON CLASSES

### **Culinary Reactions: The Chemistry of Cooking Food**

Did you know that cooking involves chemistry? Every time someone follows or modifies a recipe, he/she is experimenting with acids and bases, emulsions and suspensions, gels, foams, denatured proteins, and enzymes reactions. Let's experiment with culinary reactions through cooking and then enjoy the foods we create.

### **Pop Art and You**

Do you like the work of Andy Warhol or the images in advertisements and comic books? Come explore pop art while creating Impressionist landscapes and abstract paintings. Investigate images used in current media and learn eight techniques for creating the illusion of space on a flat canvas.

### **Power to the People: Movements of Cultural Resistance**

Is there a right way and a wrong way to resist those in power? Investigate how acts of resistance reflect people's beliefs and shape our understanding of society. Examine the ways that culture affects different kinds of resistance, ranging from vanguard art to graffiti, poetry to rap, photographs to films, and consider the risks involved in protest.

### **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 Science, Technology, Engineering, Arts, and Math concepts) using everyday objects, and technology such as motors, sensors and micro-controllers. In this class you will learn real-world engineering skills, gain experience with systems thinking and multi-team collaboration, and start exploring pathways to better understand careers in engineering.

### **Young Authors' Workshop**

Challenge yourself to craft and revise an exciting short story in this fast-paced fiction workshop. You will learn from successful authors and undertake unique writing prompts to help you use your imagination and write like a professional. Every great author has to start somewhere. This could be your starting point!

### **What on Earth?**

What forces created the land around you? If you dig a hole in the ground, are you time traveling? Which came first igneous, metamorphic, or sedimentary? Come explore these and other mysterious questions related to Earth science while learning to think like a geologist. Are you up to the challenge?

*"Attending GERI Camp has made me more aware of different cultures, and has eased a lot of my anxiety about going to college. I feel better prepared, and I have made a lot of friends."*

Please check our Web site for updated course information.

June 29-July 12  
and July 13-26

# 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 29-July 12 MORNING CLASSES

#### **Clowning Around With Improv**

Ever want to be in a circus or appear on a show like Saturday Night Live? Learn how to juggle, balance objects, be a mime, and participate in improv like the most seasoned performer. Your two week experience will end by performing live for your peers. Put on your clown shoes and prepare to have a blast!

#### **Hi-Tech Hydrology**

Do you enjoy simple computer programming? Are you curious about the river in your town? In this class you will develop your own computer program that models complex hydrologic and climatic processes using a new web-based tool. Real-time data from rivers across the country will be used and analyzed to better understand various cause and effect relationships in the natural water cycle.

#### **Humanity Art: Paint the Change You Wish to See in the World**

Learn the fundamentals of painting with a variety of mediums to bring out your inner artist. Art can be a powerful tool to spark new ideas and bring change around the world. Discover new ways to see the world and develop works that integrate and celebrate imaginative thinking. Combine your personal artistic vision with a call for change and you can become a part of the solution to global challenges we face today.

#### **Ladies in the Lab**

Are you a girl interested in nanotechnology and biology? In this full day, girls-only program, you will work on a research project with members of the Parker lab and learn how nanotechnology can be used to test the effectiveness of cancer treatments. Nanotechnology gives researchers the opportunity to watch what is going



on inside the cells to see whether the drugs are actually working. Who knows? You might be a part of making the next great discovery in cancer research!

#### **The Shape of Space: An Exploration of Topology**

Are you curious about architecture, fashion design, or other fields that rely on the creative use of space and shapes? Have fun exploring an advanced mathematics strand known as topology by creating 2D and 3D projects which will be shared during a Topology Fair at the conclusion of the course.

#### **Videography and 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 Programs' yearbook and explore videography and photojournalism from every angle.

#### **Wings of Glory**

Would you like to explore the scientific principles of flight and investigate the history of aviation? In this class you will create scale models of airplanes of the past while calculating aspect ratio, wing span, and center of gravity. Join us and imagine yourself as the next World War One Flying Ace!

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## PULSAR I – June 29-July 12 AFTERNOON CLASSES

### **Art and Poetry Off the Page**

Combine words, paint, sculpture, photographs, and technology to form creative individual poetic works of art. Mix innovative writing techniques with a variety of art styles and technologies to develop fun, new, meaningful pieces of self-expression. Learn creative presentation skills that you can apply in any number of areas and use in the future.

### **Biochemistry: The Laboratory Inside of You**

Come explore the chemistry that happens inside all living organisms! You will be introduced to the interesting properties and fascinating reactions that take place within carbohydrates, lipids, amino acids, proteins, and enzymes. Get a glimpse inside this hidden microscopic world for the first time. You will not believe what you will find!

### **Ladies in the Lab**

Are you a girl interested in nanotechnology and biology? In this full day, girls-only program, you will work on a research project with members of the Parker lab and learn how nanotechnology can be used to test the effectiveness of cancer treatments. Nanotechnology gives researchers the opportunity to watch what is going on inside the cells to see whether the drugs are actually working. Who knows? You might be a part of making the next great discovery in cancer research!

### **Leadership 101**

Do you want to make a difference in your own community, hope to become the CEO of a multi-national company, or dream of becoming 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 you.

### **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 crimes, and how they changed the face of history forever.

### **Radio Controlled Robots**

Are you fascinated by robots and wish you had a robot friend of your own? In this course you will have the opportunity to build a radio controlled robot, explore great robots of the past, and image what robots might look like in the future. You will develop a better understanding of electronic circuitry and mechanical systems while having a great time. Move over R2D2 and make room for the future!

### **The "Design Your Own Course" Course**

Is there a topic you are passionate about or would like to investigate and GERI does not offer a course to help you? You can design your own course with the help of a trained teacher facilitator who will help you develop a personalized project plan and support you every step of the way. Spend your time this summer learning exactly what you want. Register today!

## PULSAR II – July 13-July 26 MORNING CLASSES

### **Exploring Organic Chemistry**

In this class you will study the properties and reactions of different organic compounds and investigate a variety of experimental techniques including separation, purification, chromatography, and more. You will also independently-develop your own chemistry project in order to think like a chemist. Are you up to the challenge?

### **Journey into Journalism and Memoir**

Obtain your press pass here and get the scoop on your own life! This workshop will help you explore ideas for successful nonfiction pieces based on your life and teach you the basic principles of journalism and autobiography. Maybe one-hundred years from now someone will read a piece written by you about your life or a major current event you witnessed.

### **Physics of Machines and Mechanical Toys**

Did you like to play with toys when you were younger and always wondered what made them work? In this course you will look inside several popular toys and explore the mechanics inside. You will design and build a working machine of your own using the six simple machines and test them out with your classmates. Could your toy be the next big craze all children want?

### **ROCK-IT: Exploring Engineering Through Guitar Making**

Do you have a passion for music or science? In this class you will apply engineering principles, develop woodworking skills, and use computer aided design to build your own customized acoustic guitar, which you can keep. Rock out with your friends while learning the science behind the art! \*This course requires an additional \$165 supply fee.

### **Sculpting Through the Ages**

Do you like designing and creating unique pieces of 3D art? Investigate the many layers of creating sculpture while you discover hands-on art techniques and skills. Learn how artists of the past have created their sculptures, as well as how their work represents the context of the times in which they lived.

### **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 explore the history of the United Nations and make your own mind up regarding the organizations relevance for the future. Will diplomacy win out or will conflict prevail?

### **Videography and 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 Programs' yearbook and explore videography and photojournalism from every angle.

## PULSAR II – July 13-July 26 AFTERNOON CLASSES

### **Advanced Engineering**

Engineers help design solutions to everyday issues like pollution and water contamination. In this class you will identify and select important problems that affect your life and apply the engineering design process to develop a solution that could change the world. You could be the next great inventor. Put on your thinking caps and get to work!

### **Aliens: Fact or Fantasy**

Are there aliens on other planets? Are UFO's and extra-terrestrial visits a real possibility? You will explore the Drake equation and debate these questions with your classmates. Have fun imagining and creating models of what the aliens may look like, the planets they may inhabit, and even hypothesize about their life history and biology.

### **Biotechnology**

Explore the rapidly-evolving science of genetics by examining topics like the ethics of genetic therapy and the debate over genetically modified food. Examine issues in research and explore career options in bioengineering and genetic science. Apply these concepts to health care, agriculture, and technology while working on a final project designed by you.

### **Breaking News: Current Problems, Issues, and Events**

Do you enjoy a good debate and reading about current events? Come examine major domestic and international issues of our time, such as education, health care, immigration, death penalty, gay marriage, abortion, and the legalization of marijuana. Discuss and debate issues while you design potential solutions to real-world problems.

### **Fun With Programming**

Do you want to learn a programming language that can be used to design computer games or create a virtual robot that can answer math problems for you automatically? Join us as we learn the fundamentals of programming with 'C' and improve your computational thinking ability along the way.

### **Humanity Art: Paint the Change You Wish to See in the World**

Learn the fundamentals of painting with a variety of mediums to bring out your inner artist. Art can be a powerful tool to spark new ideas and bring change around the world. Discover new ways to see the world and develop works that integrate and celebrate imaginative thinking. Combine your personal artistic vision with a call for change and you can become a part of the solution to global challenges we face today.

### **Understanding Diplomacy Through Game Theory**

Do you like classic board games like RISK? In this course you will learn and use theories such as Nations as Actor, Resource Wars, and Hard Power vs. Soft Power to understand why nations make decisions on foreign policy. Play games while learning important principles that apply to the real world of international politics as well.



*"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 floors of the building, and no visits to opposite-gender floors are allowed.
- **Roommates** – Each participant will be paired with a roommate, as available. Roommate requests must be emailed to GERI@Purdue.edu by both individuals no later than June 5th.
- **Check In/Check Out** – Comet, Star, and Pulsar students will be assigned check-in times 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 be able to choose a gift from a treasure chest of 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 cafeteria 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.



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Purdue GERI Summer Residential Camp



Daily Schedule	
7-8 a.m.	Breakfast
8-11	Morning class
11-12:30	Lunch
1-4 p.m.	Afternoon class
4-5	Recreational activities/free time/study time
5-6	Dinner
6-7	Meet with Counseling Groups
7-9	Activity sessions
9-11	Free/study time, group activities
11	Lights out/bed check (midnight on weekend)



- **Medical Care** – Medical information and permission for treatment will be collected from participants. Parents will be notified of any medical emergency or illness as soon as possible. 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. An adequate supply of prescription medication should be brought, in the original container.

### 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.
- **Late Fees** – A late fee of \$50 will be added to your bill if the application is received after June 1, 2014.
- **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.
- **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](http://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](mailto:GERI@purdue.edu) at least one month prior to your program’s start date to confirm arrangements.
- **By Train** – Amtrak has a train station located approximately 10 minutes from campus ([www.amtrak.com](http://www.amtrak.com)). GERI will provide transportation from the train station to camp, free of charge. E-mail [GERI@purdue.edu](mailto: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/visa/visa\\_1750.html](http://travel.state.gov/visa/visa_1750.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) 13600-14Y-KW
- STAR - (for those who have completed grade 7 or 8) 13598-14Y-KW
- PULSAR - (for those who have completed grade 9, 10, 11, or 12) 13599-14Y-KW

[www.purdue.edu/geri](http://www.purdue.edu/geri)

### Side 1

Registration opens 2/1/2014.

**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.

### 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

## Applicant Information

Name \_\_\_\_\_  
Last First Middle Initial

Date of Birth \_\_\_\_\_

### Ethnicity (optional/check one)

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Native American/Alaskan Native | <input type="checkbox"/> Multi-Racial                   | <input type="checkbox"/> Pacific Islander |
| <input type="checkbox"/> Caucasian, Non-Hispanic        | <input type="checkbox"/> Hispanic                       | <input type="checkbox"/> Asian            |
|   | <input type="checkbox"/> African-American, Non-Hispanic | <input type="checkbox"/> Other            |

Gender \_\_\_\_\_ Grade 2013-14 \_\_\_\_\_ 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 \_\_\_\_\_.

## 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:

- |   |  |
|---|--|
| <input type="checkbox"/> \$50                                     | <input type="checkbox"/> One half a Star/Pulsar Registration (\$975) |
| <input type="checkbox"/> \$100                                    | <input type="checkbox"/> One Star/Pulsar Registration (\$1950)       |
| <input type="checkbox"/> One half a Comet Registration (\$485.50) | <input type="checkbox"/> Other (please specify): \$ _____            |
| <input type="checkbox"/> One Comet Registration (\$975)           |  |

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): \_\_\_\_\_

*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 OF \$165 NOT INCLUDED IN THE COST OF TUITION.**

### 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-SN13600 (completed grade 5 or 6)

- Comet I, June 29-July 5 Commuter (\$625)  
 Comet I, June 29-July 5 Resident (\$975)

\_\_\_\_\_ 3D GEOMETRIC DESIGN IN MATH  
\_\_\_\_\_ ART OF THE AMERICAS  
\_\_\_\_\_ "BIENVENIDO A LA AVENTURA": AN EXPLORATION IN SPANISH LANGUAGE, ART, AND CULTURE  
\_\_\_\_\_ BRAIN TEASERS AND LOGIC PUZZLES  
\_\_\_\_\_ CRUISE (NOT CRASH) COURSE IN AVIATION  
\_\_\_\_\_ CSI FORENSICS  
\_\_\_\_\_ MORBID MEDIEVAL MEDICINE AND MADRIGAL MADNESS

- Comet II, July 6-July 13 Commuter (\$625)  
 Comet II, July 6-July 13 Resident (\$975)

\_\_\_\_\_ 3D GEOMETRIC DESIGN IN MATH  
\_\_\_\_\_ CSI FORENSICS  
\_\_\_\_\_ HISTORIES MYSTERIES: EMPIRES OF THE ANCIENT WORLD  
\_\_\_\_\_ MIXING WITH THE MASTERS  
\_\_\_\_\_ SPINNING STORIES  
\_\_\_\_\_ STRUCTURAL ENGINEERS: MAKING THE WORLD SAFE ONE BUILDING AT A TIME

STAR-SN13598 (completed grade 7 or 8)

- Star I, June 29-July 12 (\$1,950)

#### Morning

\_\_\_\_\_ ABNORMAL PSYCHOLOGY: SHOULD MICKEY MOUSE BE MEDICATED?  
\_\_\_\_\_ BUILDING BEAUTIFUL, MIND-BLOWING BRIDGES  
\_\_\_\_\_ INVESTIGATING THE PROPERTIES OF CHEMISTRY  
\_\_\_\_\_ LEADERSHIP 101  
\_\_\_\_\_ THE MATHEMATICAL ARTIST  
\_\_\_\_\_ VIDEOGRAPHY AND PHOTOJOURNALISM

#### Afternoon

\_\_\_\_\_ 3D PRINTING AND PROTOTYPE DEVELOPMENT  
\_\_\_\_\_ FORENSIC FILES: SOLVING MYSTERIES WITH SCIENCE  
\_\_\_\_\_ HOUSING DESIGN AND YOUR FUTURE LIFE  
\_\_\_\_\_ THE ARTSY SCIENTIST  
\_\_\_\_\_ VET MED  
\_\_\_\_\_ ZOMBIES, TSUNAMIS', AND CATASTROPHES- OH MY! EXPLORING THE WORLD OF DYSTOPIAN LITERATURE

- Star II, July 13-July 26 (\$1,950)

#### Morning

\_\_\_\_\_ BREAKING NEWS: CURRENT PROBLEMS, ISSUES, AND EVENTS  
\_\_\_\_\_ ELECTRONICS IN ACTION  
\_\_\_\_\_ FUN WITH PROGRAMMING  
\_\_\_\_\_ THE "DESIGN YOUR OWN COURSE" COURSE  
\_\_\_\_\_ VET MED  
\_\_\_\_\_ VIDEOGRAPHY AND PHOTOJOURNALISM

#### Afternoon

\_\_\_\_\_ CULINARY REACTIONS: THE CHEMISTRY OF COOKING FOOD  
\_\_\_\_\_ POP ART AND YOU  
\_\_\_\_\_ POWER TO THE PEOPLE: MOVEMENTS OF CULTURAL RESISTANCE  
\_\_\_\_\_ STEAM LABS  
\_\_\_\_\_ WHAT ON EARTH?  
\_\_\_\_\_ YOUNG AUTHORS' WORKSHOP

PULSAR-SN-13599 (completed grade 9, 10, 11, or 12)

- Pulsar I, June 29-July 12 (\$1,950)

#### Morning

\_\_\_\_\_ CLOWNING AROUND WITH IMPROV  
\_\_\_\_\_ HI-TECH HYDROLOGY  
\_\_\_\_\_ HUMANITY ART: PAINT THE CHANGE YOU WISH TO SEE IN THE WORLD  
\_\_\_\_\_ THE SHAPE OF SPACE  
\_\_\_\_\_ VIDEOGRAPHY AND PHOTOJOURNALISM  
\_\_\_\_\_ WINGS OF GLORY

#### Afternoon

\_\_\_\_\_ ART AND POETRY OFF THE PAGE  
\_\_\_\_\_ BIOCHEMISTRY: THE LABORATORY INSIDE OF YOU  
\_\_\_\_\_ LEADERSHIP 101  
\_\_\_\_\_ MURDERS THAT CHANGED HISTORY  
\_\_\_\_\_ RADIO CONTROLLED ROBOTS  
\_\_\_\_\_ THE "DESIGN YOUR OWN COURSE" COURSE

- Pulsar I-SN13599  
**ALL DAY, GIRLS ONLY COURSE, June 29-July 12**

\_\_\_\_\_ LADIES IN THE LAB

- Pulsar II, July 13-July 26 (\$1,950)

#### Morning

\_\_\_\_\_ EXPLORING ORGANIC CHEMISTRY  
\_\_\_\_\_ JOURNEY INTO JOURNALISM AND MEMOIR  
\_\_\_\_\_ PHYSICS OF MACHINES AND MECHANICAL TOYS  
\_\_\_\_\_ ROCK-IT: EXPLORING ENGINEERING THROUGH GUITAR MAKING\*  
\_\_\_\_\_ SCULPTING THROUGH THE AGES  
\_\_\_\_\_ WHO IS POLICING THE WORLD?  
\_\_\_\_\_ VIDEOGRAPHY AND PHOTOJOURNALISM

#### Afternoon

\_\_\_\_\_ ADVANCED ENGINEERING  
\_\_\_\_\_ ALIENS: FACT OR FANTASY  
\_\_\_\_\_ BIOTECHNOLOGY  
\_\_\_\_\_ BREAKING NEWS: CURRENT PROBLEMS, ISSUES, AND EVENTS  
\_\_\_\_\_ FUN WITH PROGRAMMING  
\_\_\_\_\_ HUMANITY ART: PAINT THE CHANGE YOU WISH TO SEE IN THE WORLD  
\_\_\_\_\_ UNDERSTANDING DIPLOMACY THROUGH GAME THEORY

## Application Fees

Tuition \$ \_\_\_\_\_  
Transportation \$ \_\_\_\_\_  
Contribution \$ \_\_\_\_\_  
Supply Fees \$ \_\_\_\_\_  
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.

**Due one June 1.**

## Payment Method

Payment in full is due June 1.

Enclosed is a check made payable to Purdue University. Please charge 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 2013 calendar year.*

- 1. Adjusted gross income \_\_\_\_\_
- 2. Taxable income \_\_\_\_\_
- 3. Total Social Security benefits for 2013 \_\_\_\_\_
- 4. Total AFDC and/or ADC for 2013 \_\_\_\_\_
- 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 return this completed 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

Gifted Education Resource Institute  
Beering Hall, Room 5178  
100 North University Street  
West Lafayette, IN 47907-2098  
(765) 494-7243 Fax (765) 496-2706

[www.purdue.edu/geri](http://www.purdue.edu/geri)

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