



**SPRING  
2016**

**PRE-K - 8<sup>TH</sup> GRADE**

# *Super Saturday*

Enrichment programs for gifted and talented youth



**PURDUE**  
UNIVERSITY  
COLLEGE OF EDUCATION

# ABOUT *Super Saturday*

Super Saturday is a popular enrichment program designed to meet the needs of academically, creatively, and artistically gifted students from age four (pre-kindergarten) through eighth grade. We offer an ever-changing variety of courses in science, technology, engineering, mathematics, visual and performing arts, and original interdisciplinary studies. Students choose their own classes on a first-come, first-served basis.

## WHEN AND WHERE

- Spring 2016 semester courses will take place January 30 - March 5
- Saturday morning sessions meet from 9 a.m. - Noon
- Most classes are held in Beering Hall and Recitation Building

## WHAT MAKES IT SUPER?

- Small class sizes
- Personal attention from caring teachers
- Challenging, hands-on learning
- An emphasis on critical thinking and independent learning
- An environment that values creativity, diversity, and achievement
- A chance to share interests with other gifted children
- Super Saturday is FUN!

## WHAT ARE CLASSES LIKE?

- Classes are small. Super Saturday limits class sizes to 10 students for early grades and 18 for later grades. Each student receives individualized instruction.
- Classes are taught by teachers who care. Most of our classes are taught by teachers who select their own course topics, so Super Saturday teachers are knowledgeable and excited about their subject matter, and share this enthusiasm with their students. Teachers also receive special training and ongoing support from GERI to help them meet the special needs of gifted and talented students.
- Classes are challenging. Super Saturday courses provide authentic, hands-on learning experiences. They encourage creative thinking, the development of problem-solving skills, and individual exploration of student interests.
- Classes are fun. Super Saturday courses are interesting and interactive. All classes give gifted students a chance to meet and have fun with other bright students who share their interests and enthusiasm for learning.

# Courses



## ICKY, STICKY, AND FUN

Have you ever wondered what makes your pancakes fluffy? There are messes to be made and things to explore. Only the most curious minds are needed in this laboratory. Come to this class and become the world's most creative chemist or inventor of the gooiest gunk ever glopped!

## MY BACKYARD: A MUSICAL EXPLORATION OF LIFE IN THE BACKYARD

Work as scientists, authors, artists, and performers to understand the creatures you see every day in your backyard. Research the habits and habitats of the hummingbird, pillbug, ladybug, butterfly, snail, and firefly. Sing short songs reinforcing what you have learned. Finally, participate in a musical play and awards ceremony that has everything to do with your backyard!

## VISUAL MATH

Explore math through the senses as we work with shapes and bubbles, nature, flying discs, spaghetti puzzles, fractionated cookies, and more. Who knew math could be this fun?

## SPACE RACE: EXPLORING THE SOLAR SYSTEM

As cooperative Space Exploration Teams travel to each Solar Stop, you research the locations (planets, asteroids, comets, and meteors), write about them in your Space Explorer's Log, read stories and complete a variety of interactive activities. With the help of various references, you gather galactic facts and complete activities cooperatively and individually.



# Courses

GRADES  
1-2

## KITCHEN CHEMISTRY

Your kitchen is one big chemistry lab! Explore colors, solids, liquids, gases, polymers, chemical reactions, mixtures, solutions, and more. Use your new kitchen chemistry knowledge to create snacks that go along with the lesson of the day. Learn how chemistry is alive in your own home! (Supply Fee: \$5)

## OUR ROCKIN' EARTH

Discover our amazing planet, inside and out! Learn about what Earth is made of down to the main minerals and rocks, find out what major geologic processes occur on and below the surface, and turn back time to see how our world has changed over billions of years!

## ENGINEERING WITH A TWIST

Students will design, build and test pom pom launchers, marshmallow towers, and marble roller coasters built from common household items. Students will be guided to think critically about your projects like an engineer.

## THE TRAVELING PAINTBRUSH

Students will engage in exciting art projects that range across many years. They will work with their minds, as well as their hands, to make unique artwork. Students will be challenged to learn new techniques and vernacular when it comes to artistry.



# Courses

GRADES  
3-4

## MINI MED

We are looking for talented future doctors. Explore the world of medicine to understand what it takes as we dissect various specimens. Learn about human anatomy, physiology, immunology, microbiology, systems of disease, and more. (Supply Fee \$10)

## SUB MONTE IRATO

Students will be introduced to the Latin language and the culture of the Roman Empire. Lessons revolve around a Pompeiian family living “Sub Monte Irato” (Under the Angry Mountain). We explore life in the shadow of Mt. Vesuvius in 79 CE, just before the volcano erupted and buried the city for almost two thousand years.

## HOUSE DESIGN

From mansions to townhouses, architecture is in the works! Students build an understanding of the problems and pleasures of designing a house by learning the different types and necessary elements of house design, the correlation between income and mortgage eligibility, and the costs of house construction and home furnishings. Some of the activities include evaluating the pros and cons of building single-family homes, calculating the number of square feet in a given area, and designing and drawing specific floor plans.

## SEARCHING THE AFRICAN SAFARI

On this African Safari, explorers will research and experience all of the wonderful characteristics of animals and habitats found in this vast continent. This adventure will allow students to learn about the culture and regions of Africa, and just how different it really is!

## “WATER” YOU IN FOR?

What is lurking in the water? Through experimentation and observations, students investigate stream habitats, water pollution and pH levels, as well as conduct group problem-solving sessions to learn more about the streams’ natural ecosystem. Using insects as indicators, students judge the “health” of a stream and learn how alterations to the stream ecosystems affect the water quality.

# Courses

GRADES  
5-8

## **RUBE GOLDBERG ENGINEERING**

Have you ever seen a Rube Goldberg design? Come join a design team to brainstorm and build creative contraptions to solve everyday problems in a complex way like how to use a hammer, a pulley, and twelve rubber bands to put toothpaste on a toothbrush. Use hands-on activities to focus on science, technology, and engineering concepts!

## **FUN WITH PROGRAMMING**

Do you want to learn a programming language like those used to create computer games? Do you want to design your own computer game? Join the class and you will learn a computer language that will enable you to design programs to solve simple programs and maybe create a game or two.

## **WE WRITE BACK: PURDUE YOUNG WRITERS WORKSHOP**

This course is a writing workshop for middle school students who love to write. We will inspire each other to develop our talents and explore new writing genres. We will learn about and write in the following genres: hint fiction, flash fiction, the short story, the personal essay, poetry, and hybrid forms.

## **AUTO 'BOTS**

Driver safety, convenience, and the “cool factor” drive the development of autonomous vehicles, like those made by Google and Tesla. In this course, you will learn the foundations of autonomous robots by designing and developing a custom line-following robot. Through each session of the source, you will learn how different parts of the project work while building custom modules for your robot.



# HOW TO APPLY

## ONLINE REGISTRATION

To register online (credit card payment required), go to [www.conf.purdue.edu/supsat16s](http://www.conf.purdue.edu/supsat16s). Please note the following:

- If there is a supply fee connected to the class you choose, it will be automatically added to your total.
- Choose a class according to the child's current grade level.
- If a selection is not available, that means that class is full. Please choose another class. If there are no other classes available in the child's grade level, then that grade level is full and you will need to call Anne Gray, our Super Saturday coordinator, at (765) 494-7240 to enroll.
- Log onto the system with the child/registrant's name. You will be prompted later to put the parent/guardian name in the payment information.

## OTHER REGISTRATION OPTIONS

If paying by check, return the form (one per child) and payment to:

**GERI Super Saturday**  
**Purdue University Conferences**  
**Stewart Center, Room 110**  
**128 Memorial Mall**  
**West Lafayette, IN 47907-2034**

We will send a confirmation notice when your application materials are received.

## DEADLINE

To avoid a late fee, all materials must be faxed or postmarked by **5 p.m. on Friday, January 8, 2016**. Students applying after this date will be charged a \$30 late fee. All applications must be postmarked or faxed by 5 p.m. on January 15. No applications will be accepted after January 15. Students are placed in classes on a first-come, first-served basis, and many of our popular classes will fill before the application deadline. For the best choice of classes, apply today!

## PAYMENT AND REFUND INFORMATION

The fee for Super Saturday courses is \$195 per child. Some courses also have an additional supply fee (see course descriptions for details).

After **January 8**, a \$30 late fee is required. Checks should be made payable to Purdue University. Tuition also may be charged to Discover, VISA, American Express, or MasterCard. We will notify you whether the child has been accepted into the program within a few days after we receive complete application materials. If you do not receive notice at least three days prior to the first class, call our office to check class assignment and location. If any classes are canceled due to insufficient enrollment, students will be contacted. Purdue is not responsible for costs due to cancellation. If it is necessary for a child to withdraw, the following policy will apply:

- If a child withdraws before 5 p.m. on Friday, January 8, a full refund will be given.
- If a child withdraws between January 9 and the first day of class on January 30, a tuition reimbursement, less \$50 registration fee, will be refunded.
- If a child withdraws after the first day of classes, no refund will be given.



# APPLICATION

## STUDENT INFORMATION

Name: \_\_\_\_\_ Birth Date: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Gender (optional):  Male  Female Age: \_\_\_\_\_ Grade in School (2014-2015): \_\_\_\_\_

School: \_\_\_\_\_ Corporation: \_\_\_\_\_

Race/Ethnicity (optional/check all that apply):

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> African American/Non-Hispanic | <input type="checkbox"/> Hispanic                       | <input type="checkbox"/> Other                |
| <input type="checkbox"/> Asian                         | <input type="checkbox"/> Multi-racial                   | <input type="checkbox"/> Pacific Islander     |
| <input type="checkbox"/> Caucasian, Non-Hispanic       | <input type="checkbox"/> Native American/Alaskan Native | <input type="checkbox"/> Choose not to answer |

*Ethnicity and gender data are used for research and evaluation purposes only and do not affect eligibility.*

Parent/Legal Guardian Name: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

This will be my child's first Super Saturday session:  Yes  No

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) 494-7240.

## PHOTO RELEASE

- I do not give consent for any photograph or video image of my child taken during a GERI program to be used by Purdue University for publicity and educational purposes.

## MEDICAL INFORMATION

List any information regarding your child's health, allergies, physical, and/or emotional status in order for us to best serve your child's needs. Attach additional sheets if necessary.

## EMERGENCY CONTACT (in the event parent/guardian cannot be reached)

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

## PARENTAL AUTHORIZATION

Purdue University Medical Authorization for Treatment of a Minor (persons under 18 years): Pursuant to Indiana Code Paragraph 16-36-1-6 and subject to any limitations listed below, I request and authorize the Purdue University Student Health Center, Purdue University Ambulance Service, Franciscan Saint Elizabeth Health - Lafayette East, and Indiana University Health Arnett, medical personnel, agents, and employees to provide all reasonably necessary medical care, including but not limited to medical transport, hospital tests, such as pathology, radiology, anesthesia, surgery, and prescription drugs advisable for the health of my child. I acknowledge that no representations, warranties, or guarantees as to results or cures will be made.

Further, I hereby grant permission for my child to attend Super Saturday by signing below.

Date: \_\_\_\_\_

*Parent / legal guardian signature is required.*

## COURSE PREFERENCE

Your child may take only one Super Saturday course. In the course descriptions on pages 2-5, find courses for your child's grade level. List, in order of preference, the courses in which your child would like to enroll (choices 1, 2, and 3). Supply fees, if applicable, are listed after course title.

### GRADES PRE-K-K

- \_Icky, Sticky, And Fun
- \_My Backyard: A Musical Exploration of Life in the Backyard
- \_Visual Math

### GRADES 1-2

- \_Kitchen Chemistry
- \_Our Rockin' Earth
- \_Engineering With a Twist
- \_The Traveling Paintbrush

### GRADES 3-4

- \_Mini Med
- \_Sub Monte Irato
- \_House Design
- \_Searching the African Safari
- \_ "Water" You in for?

### GRADES 5-8

- \_Rube Goldbergengineering
- \_Fun with Programming
- \_We Write Back: Purdue Young Writers Workshop
- \_Auto 'Bots

## FEES

Payment is due upon registration submission.

Tuition: **\$195** + Supply Fee: \_\_\_\_\_ + Late Fee (\$30 after January 9): \_\_\_\_\_ = Total: \_\_\_\_\_

## PAYMENT

VISA    MASTERCARD    AMERICAN EXPRESS    DISCOVER

Name on Card: \_\_\_\_\_

Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Signature: \_\_\_\_\_

- CHECK: Enclose one check per child, payable to **PURDUE UNIVERSITY**.
- APPLYING FOR FINANCIAL AID (complete information on page 10)
- I would like to make a monetary donation to help children with high potential who lie in poverty attend Super Saturday in the amount of \$\_\_\_\_\_ (donations are tax-deductible).

Return this form and payment to:

**GERI Super Saturday**  
**Purdue University Conferences**  
**Stewart Center, Room 110**  
**128 Memorial Mall**  
**West Lafayette, IN 47907-2034**

# FINANCIAL AID

*FULL and PARTIAL* financial aid grants are available for students who would not be able to attend the program without financial assistance. If you wish to be considered for financial assistance, please complete this form. Financial assistance will be provided on a first-come, first-served basis.

Student's Name: \_\_\_\_\_

## FOR SCHOOL-AGED CHILDREN

- I have attached verification on official school letterhead that my child is eligible for **FREE** lunch.
- I have attached verification on official school letterhead that my child is eligible for **REDUCED** lunch.

## FOR PRE-K OR HOMESCHOOLED CHILDREN

- I have attached documentation to verify that my child is eligible for federal financial assistance.

## PARENT'S EDUCATIONAL BACKGROUND

### Parent 1

- Some High School
- High School Diploma
- Some College
- Bachelor's Degree
- Master's Degree
- Ph.D./Professional Degree

### Parent 2

- Some High School
- High School Diploma
- Some College
- Bachelor's Degree
- Master's Degree
- Ph.D./Professional Degree

Date: \_\_\_\_\_

*Parent/legal guardian signature is required.*

Please do not apply for financial aid unless you can document need by sending in the requested information.

**Return this form postmarked by January 10.**

**GERI Super Saturday  
Beering Hall, Room 5117  
100 N. University Street  
West Lafayette, IN 47907-2706**

For financial aid questions contact Anne Gray at (765) 494-7240 or gray118@purdue.edu.



Purdue University  
Beering Hall, Room 5178  
100 N. University St.  
West Lafayette, IN 47907-2098

**Enroll online!**  
[www.conf.purdue.edu/supsat16s](http://www.conf.purdue.edu/supsat16s)

