



INSIDE: Details about Fall Learning Lab Classes & Fun!



Give your child a terrific opportunity: Coach a team for one of the metro area's biggest academic competitions – GRC's Academic Challenge Cup.

Learn all about the fun and games – and academic challenge! – at one of the training sessions listed below. **Free workshops for parents and teachers:**

Learn *Creative Convention* Workshop

For grades 2-3

Saturday, October 31, 9:30 – 11:00, at

Wydown Middle School, 6500 Wydown Blvd.

Led by Kathy Hilgeman

Learn *LinguiSHTIK* Workshop

For grades 4-8

Tuesday, October 6, 4:30 – 6:00, at

Hoech Middle School, 3312 Ashby

Led by Connie Burkhardt

Saturday, October 24, 9:30 – 11:00, at

Wydown Middle School, 6500 Wydown Blvd.

Led by Connie Burkhardt

Learn *Equations* Workshop

For grades 3-8

Saturday, October 24, 11:10 – 12:40, at

Wydown Middle School, 6500 Wydown Blvd.

Led by Chris Dadian & Bob Coulter

Tuesday, November 3, 4:30 – 6:00, at

GRC Office, 357 Marshall Avenue, Suite 6

Led by Chris Dadian & Bob Coulter

Workshops are **FREE**, but you must register by calling the GRC office at 314-962-5920.

ACC dates for 2009-2010 school year:

Creative Convention

March 8 - 9, 2010

LinguiSHTIK

March 8, 2010

Equations

March 9 - 12, 2010

All competitions will be held at Washington University.

Call 314-962-5920 for more information.



What is Learning Lab?

Learning Lab is enrichment classes

for bright and talented students from pre-school through eighth grade. Classes are held on six Saturday mornings and afternoons twice yearly in the Fall and Winter.

Learning Lab challenges students

academically and creatively. Students make new friends while they explore a topic in-depth and/or develop new skills. Class sizes are limited to achieve optimal student/teacher interaction.

Learning Lab has excellent teachers

who are chosen for expertise in their area and for their skill in working with bright students.

- Dates:** October 10, 17, 24, 31, November 7, 14
- Times:** 9:30 – 11:00 & 11:10 – 12:40
- Location:** Wydown Middle School
6500 Wydown Blvd.
- Tuition:** Each six week class is \$95
- Questions:** Call Gifted Resource Council
314-962-5920



Dismissal

Children must be picked up at the classroom door promptly at the end of class. If your child has signed up for two classes, he or she will be supervised during the 10 minute break between classes.

Field Trips

On field trip days, unless otherwise specified by the instructor, students will be expected to meet at their destination, with round trip transportation provided by the parents. We are unable to provide group transportation.

Notification

You will be notified ONLY if the class for which you have registered is filled or cancelled. **NO written confirmation will be sent.** You are welcome to call the GRC office (314-962-5920) to confirm your child's registration in advance of the first Saturday class.

Parking

Parking is available in the lot west of Wydown Middle School or on the street. Enter the building through the front entrance. Follow the GRC signs to the Registration Area.

Parenting Classes 11:10 - 12:40

Oct. 17 "Taming the Worry Monster: Anxiety in Gifted Youth" with Dr. Agnes Meyo

Oct. 24 "Questions You Always Wanted to Ask About Giftedness" with Dr. Carolyn R. Cooper

Oct. 31 "Parenting 101: Input for a Book" with John Yunker

Nov. 7 "Let's Take a Peek: Previewing Adolescent Life for Gifted Children" with Dr. Peggy Tracy

* Indicates a New Offering

9:30 - 11:00

* **Double-digit Delights: Fun in the 10s**

Ages: 3-4

What's more than nine and less than 21? The numbers we will name, compare, explore and ponder – 10-20! Using logical thinking and reasoning skills, we'll have fun while we understand the meaning of the numbers (one ten and three ones make 13), create sets of numbers, and find ways to use numbers every day. Take our scavenger hunt to find your favorite numbers in this sequence. We'll even take the numbers to Alaska and see how they apply! Math, science, art, reading, social studies, and drama activities. Join us on our number journey!

Instructor: Kathie Eckelkamp

* **The Doctor's In ... Dr. Seuss Of Course!**

Ages: 4-5

Ten apples and cats with hats, feet feet feet and more! Vamoose to the world of Dr. Seuss! Make a Dr. Seuss word family hat and a yummy-for-your-tummy "Cat in the Hat" snack. "With Ten Apples Up On Top," we'll graph apple colors, hunt for the "star house" inside an apple, and print with apples. Trace your feet and make them into clowns, then have a shoe race after reading "The Foot Book." It's math, reading, language, science, art and FUN when Dr. Seuss is on the loose with us and several of his books!

Instructor: Betty Arendes

* **Buggy about Bugs?**

Ages: 5-6



Does the creepy crawly turn you into an inquisitive investigator? Where do you find crickets and praying mantis? What do beetles and worms eat? Discover the characteristics and benefits to humans of bugs, snails, worms, grasshoppers, and more! How do they use their senses? Can you identify their body parts? We'll make edible bugs and create models. Create your very own creepy crawly: Decide

what it looks like, what it eats, how it moves, and everything else about it, based on the scientific facts we uncover about these ground-level creatures!

Instructor: Kristina White

* **Weather – A Flurry of Activity**

Grades: K-1

Witness the wild, wonderful world of weather! Watch the entire water cycle – evaporation, condensation, precipitation and collection – as it happens in a bag! How old is the water in your sink? Make a tornado in a bottle and catch a cloud in a jar. Is it cumulus, stratus or cirrus? Is there a relationship between clouds and temperature? Build an anemometer and find out how it's related to roosters on barns. How can an anemometer help you set up a wind farm? Weather is where it's at!

Instructor: Abby Lombardo

* **Everything "Elephant" Is Extravagant!**

Grades: 1-2

Elephant ears are huge, but when do they use sounds to communicate that even humans cannot hear? Which elephants are endangered? Find out how much bigger an elephant tooth is than yours. Where are elephant toes? Explore physical characteris-

tics, elephant communities and habitats, and dangers to these magnificent animals in the wild. Check out artwork by elephants, and examine the relationship between elephants and their trainer. We'll go beyond Babar as we play elephant games and check out elephant foods. We're all about elephants!

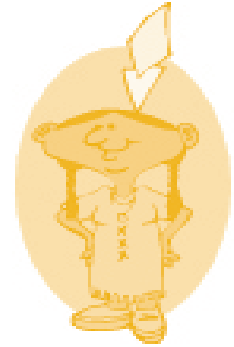
Instructor: Erin Skelly

* **American Girls: 1764 – 1854**

Grades: 1-2

Hop on the wagon of learning and fun as we discover what life was like for Kaya, a Native American girl in 1764, Josephina, a Hispanic girl living in 1824 New Mexico, and Kirsten, a pioneer girl in Minnesota in 1854. Learn about the culture and lives of these girls by doing the things they did. Embroidering a hankie with Kirsten, making a beaded choker with Kaya, and planning a feast day with Josephina are just a few of the things we'll do as we explore the lives and times of these American Girls. (This class is based on Mattel's American Girl dolls and related materials.)

Instructor: Phyllis Richter



* **Checkmate!**

Grades: 1-4

A formal introduction to chess for the novice or the amateur player. Learn how the pieces move and how to record your games, as well as how the pieces work together to produce checkmate. Learn basic principles of the game. More advanced students will be accommodated within the classroom.

Instructor: Stephen E. Randoll

* **Great Poems or Great Fun? Or Both?**

Grades: 2-3

Giggled and guffawed at goofy poems? Great! We'll play with the poetry of favorites like Shel Silverstein, Jack Prelutsky and others, and find out why silly imagery makes us laugh. What themes do our favorite authors use to inspire us? Craft your own inventive verse, create a mobile, and 'publish' your own book. It's laugh-out-loud fun in rhyme!

Instructor: Megan Mills

* **More Than Your Typical Stick Puppet!**

Grades: 3-4

Take puppetry way beyond the sticks, socks and gloves that we know so well! Did you know that Vietnamese puppets perform in water? How many people does it take to make one Japanese Bunraku rod puppet move? What makes Punch – of England's Punch and Judy fame – stand out as a puppet? What might be your favorite type of puppetry? Shadow puppetry from China? Marionettes from Italy? Explore several of these cultural styles and try your "hand" at making your very own puppets!

Instructor: Liz Lombardo

* **Codes, Ciphers and Espionage of World War II**

Grades: 3-4

Secret codes, complex ciphers, special machinery, dangerous encounters with the enemy---this was the daring life of a World War II spy. What types of people became spies? Were Tokyo Rose and other women radio broadcasters announcing propaganda, treasonous messages or kindly reminders of American home life?

9:30 - 11:00 continued

Why were Navajo code talkers successful and why couldn't the Japanese break their code? Who were some of the well-known American and German spies? Join us as we explore how World War II spies fought the war behind closed doors and changed our lives forever right under our noses!

Instructor: Katy Kriegshauser

*** Geometry in the Third Dimension**

Grades: 4-5

Do your compass and straight edge leave you feeling flat? Despairing of drawing circles, triangles and squares? Graduate from 2-D to 3-D with origami! Use paper-folding techniques to create polyhedrons of geometric proportions. How is a truncated pyramid like a dead volcano? How many faces can go on a polyhedron? Make shapes, find patterns and take home a polyhedron every week. Some call it solid geometry but we call it fun with figures!

Instructor: Denice Smith

*** The Lightning Thief and Assorted Olympians**

Grades: 4-5

Move over, Harry, Ron and Hermione. Join the next great adventure of epic proportions, as Percy Jackson discovers his parentage (the Greek god Poseidon), battles Kronos and the Titans, and tries to live a semi-normal teenage life with not-so-normal friends Annabeth (daughter of Athena) and Grover. Can a kid with ADHD and dyslexia make a mark in the world of Minotaurs, Medusa and Mt. Olympus, which is now located on the 600th floor of the Empire State Building? Explore Rick Riordan's stories of Percy Jackson and the denizens of Camp Half-Blood. Uncover the mythological connections to yet another big three: Homer, Virgil and Ovid. Greek, Latin, trivia and connections to works both ancient and modern. Students should have read at least two books of the Percy Jackson and the Olympians series.

Instructor: Art Koenig

*** Shape It, Mold It, Make It – From Image and Idea to 3-D Art**

Grades: 4-5

Wrap your hands around several art forms to design, mold, shape and finally display three-dimensional works of art! With an emphasis on design and craftsmanship, we'll transfer your original drawings to metal foil sheets and create an embossed relief impression of your design. Then we'll focus on color, texture and non-loom weaving techniques using materials such as tree twigs, raffia, yarn, jute or string. Finally, find your inspiration for a sculpted piece while combining creative problem solving with process. Find the craftsman in you as we explore three-dimensional craft forms using fibers, metal and clay!

Instructor: Chandria Howard

*** Chemistry for Kicks**

Grades: 5-6

Every day your world is shaped by chemical reactions. If you think slime is fun, you can thank the wonders of polymer chemistry. Lightning bugs glow because of chemical luminescence. You owe the food you eat to the chemical harvesting of the energy of the sun. We will explore this chemistry and more too. We will build an atom; study natural acid/base reactions; play chemical detective; make things glow and investigate much more, from crystals to the enzymatic activity of the potato.

Instructor: Laura McDonald

*** Indicates a New Offering**

*** Math Contest Extravaganza!**

Grades: 5-6

Are you a math junkie? Do you have what it takes to compete? Hone your math and problem-solving skills to razor-edge sharpness for top math competitions such as Mathcounts and Math Olympiads. View this class as weight training for your brain! Strengthen your math intuition. Flex your problem-solving muscles. Tackle topics such as number sense, algebra, number theory, sequences and series, combinatorics and probability, and geometry. Our emphasis is on the fundamental principles necessary for the efficient problem solving needed for success in math competitions.

Instructor: Doug Hunt

*** Creative Writing**

Grades: 5-8

How can you make your story really good? What are the qualities of great pieces of literature? Learn to write with depth and strength. Explore aspects of the writing process in open-ended ways and then harvest, refine, and revise your raw material. View the best in literature and be inspired, as we analyze the works of recent award-winning authors such as Suzanne Collins "Hunger Games", Sherman Alexie "The Absolutely True Diary of a Part-time Indian", and Ishmael Beah "Along Way Gone" along with classical works by authors such as Jack London, Charles Dickens and Harper Lee. Discover your own writer's voice and follow in the footsteps of the greats!

Instructor: Carol Haukap

NXT Generation Robotics

Grades: 6-8

NASA's Spirit and Opportunity rovers have put robots in the limelight through their exploration of Mars; lasting long beyond their design lifetime, they've carried out geological investigations under harsh environmental conditions for almost four years. Learn what it takes to make robots work as we design and build our own rovers using the LEGO Mindstorms NXT robotics kit, then program our rovers to navigate, respond to their environment, and pick up objects! Experienced students can be accommodated within the structure of the class.

Instructor: Lisa Hummel



Off Campus Class

Moving & Shaking – An Introduction to Engineering

Grades: 6-8

Are engineers movers and shakers? Work alongside real professors in their scientific laboratories and learn basic engineering principles: everything from water treatment to earthquake protection to neural tissue engineering! Class meets each week on the campus of Washington University in Jolley Hall. (Class size limited to 10, with priority registration for girls before September 25, 2009.)

Instructors: Ruth Okamoto & Shelly Sakiyama-Elbert

Two Scholarships Available for Moving & Shaking – An Introduction to Engineering. Again this fall: Two girls (grades 6-8) can win a full scholarship for this class. Write a short essay (one page or less) explaining why you would be interested in learning more about engineering and why you should receive a scholarship. Essay deadline: September 25, 2009; send it to the GRC office with your completed Learning Lab Registration.



11:10 - 12:40

* **The Doctor's In ... Dr. Seuss Of Course!**

Ages: 3-4

See 9:30 - 11:00 Class description.

Instructor: Betty Arendes

* **Double-digit Delights: Fun in the 10s**

Ages: 4-5

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Instructor: Kathie Eckelkamp

* **Buggy about Bugs?**

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* **Everything "Elephant" Is Extravagant!**

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Instructor: Erin Skelly

* **Weather – A Flurry of Activity**

Grades: 1-2

See 9:30 - 11:00 Class description.

Instructor: Abby Lombardo

Get Your Hands on Science

Grades: 1-2

Roll up your sleeves and prepare to wade into some hands-on science fun. Perform experiments designed to demonstrate and explain basic scientific principles. Launch balloons across the room as we learn about Mr. Newton's Third Law of Motion and how it helps us understand how rockets fly into outer space. Use a prism to make a rainbow by separating the colors of the rainbow out of white light and then mix colored goop and glue to create new colors of your own. Meet Eggbert, our science mascot, who will brave flames, heat, and cold to help us understand the nature of gases and the impact of energy on matter.

Bring your own scientific questions you'd like to try to answer. And don't forget to dress for mess because in this class, science isn't always neat and tidy.

Instructor: Dennis & Barbara Grzenczyk

* **More Than Your Typical Stick Puppet!**

Grades: 2-3

See 9:30 - 11:00 Class description.

Instructor: Liz Lombardo

American Girls: 1764 – 1854

Grades: 3-4

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Instructor: Denice Smith

* **Chemistry for Kicks**

Grades: 3-4

See 9:30 - 11:00 Class description.

Instructor: Laura McDonald

* Indicates a New Offering

* **How to Win Games without Losing Friends**

Grades: 3-5

Learn to walk the fine line between competition and cooperation, graceful winning without sore losing while playing fun, yet challenging games. Create strategies for playing DaVinci's Challenge, Mastermind, Pente and Mille Bourne and traditional card games, among others. Develop confidence in your abilities while improving your sportsmanship skills. This class will give you proof that "It's not whether you win or lose; it's how you play the game!"

Instructor: Carol Haukap

* **Great Poems or Great Fun? Or Both?**

Grades: 4-5

See 9:30 - 11:00 Class description.

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NXT Generation Robotics

Grades: 4-5

See 9:30 - 11:00 Class description.

Instructor: Lisa Hummel

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Grades: 5-6

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Grades: 6-8

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* **Math Contest Extravaganza!**

Grades: 7-8

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For Adults Only
11:10 - 12:40

Parenting and the Gifted Child

Adults

Four sessions will focus on the special needs and development of the gifted child. Open discussion is encouraged.

Oct. 17 "Taming the Worry Monster: Anxiety in Gifted Youth" with Dr. Agnes Meyo

Oct. 24 "Questions You Always Wanted to Ask About Giftedness" with Dr. Carolyn R. Cooper

Oct. 31 "Parenting 101: Input for a Book" with John Yunker

Nov. 7 "Let's Take a Peek: Previewing Adolescent Life for Gifted Children" with Dr. Peggy Tracy

Fee: \$20.00 per class; Series: \$80/individual or \$100/couple. Free to GRC Members.



Attention Teachers!

See the back page of this brochure for an exciting, new offering for teachers of pre-K through early elementary!

Add a spark to your science lessons!

Executive Director ♦ Susan C. Flesch
ACC Coordinator ♦ Tricia L. Brown
Administrative Assistant ♦ JoAnn Hetisimer

Instructors

Betty Arendes, M.A., University of Missouri-St. Louis, Early Childhood Educator

Dr. Carolyn R. Cooper, Ph.D., University of Connecticut, Former Director of Gifted Programs

Kathie Eckelkamp, M.A.T., Webster University, Kindergarten Teacher, Hazelwood School District

Barbara Grzenczyk, B.S., Biochemistry, Facilities Manager, ISTO Technologies

Dennis Grzenczyk, M.A., Oakland University, Science Specialist, Ladue School District

Carol Haukap, B.S., Communication and Education, McKendrie College, Middle School Teacher, Bethel Lutheran School

Chandria Howard, M.A., Washington University, Designs Published on Cover of Modern Brides Magazine

Lisa Hummel, M.A., Lindenwood University, Middle and High School Science Teacher

Dr. Doug Hunt, Ph.D., Duke University, Director, IMACS of St. Louis

Art Koenig, A.M., German Literature, Washington University, GRC's "Renaissance Man"

Katy Kriegshauser, M.A.T., Webster University, Teacher of Gifted, Rockwood School District

Abby Lombardo, B.S., Missouri State University, Elementary Teacher, City of St. Charles School District

Liz Lombardo, B.F.A., University of Wisconsin, Art Teacher

Laura McDonald, M.A. Ed., Maryville University, Science Teacher, Ferguson-Florissant School District

Dr. Agnes Meyo, Psy.D., Clinical Psychologist

Megan Mills, M.A., Truman State University, Elementary Teacher, City of St. Charles School District

Dr. Ruth Okamoto, D.Sc., Washington University, Research Associate, Department of Mechanical, Aerospace and Structural Engineering, Washington University

Stephen E. Randoll, Rated USCF National Expert, President, St. Louis Chess Foundation

Phyllis Richter, M.S., Southern Illinois University at Edwardsville, Retired Teacher of Gifted, Mehlville School District

Dr. Shelly Sakiyama-Elbert, Ph.D., Cal Tech, Assistant Professor, Department of Biomedical Engineering, Washington University

Erin Skelly, M.Ed., Lindenwood University, Elementary Teacher, Hazelwood School District

Denice Smith, M.A., Southwest Baptist University, Teacher of Gifted, Hazelwood School District

Dr. Peggy Tracy, Ed.D., Private Practice Psychologist

Kristina White, M.Ed., University of Missouri-St. Louis, Elementary Teacher, St. Louis Public Schools

John Yunker, Licensed Psychologist, Private Practice

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Call GRC at 314-962-5920

Learning Lab Registration- Fall 2009

Child's Name _____ Age _____ Birthdate _____ Sex _____
 Parent(s) Name(s) _____
 Address _____
 City _____ State _____ Zip _____
 Phones: Home _____ Mom's work _____ Employer & Occupation _____
 (please provide area codes) Dad's work _____ Employer & Occupation _____
 Cell Phone _____ Email Address _____
 School _____ Grade _____ District _____
 IN EMERGENCY, CALL _____ Relationship _____ Phone _____
 Physician & Phone _____
 Allergies & physical limitations _____

COURSE TITLE	TIME	TUITION	ALTERNATE COURSE and TITLE if first choice is unavailable
1. _____	_____	_____	_____
2. _____	_____	_____	_____

TUITION: Each six-week course is \$95.00. No refunds after October 10, 2008. Members' priority registration privilege good until September 11, 2008. All others taken on a first come, first served basis.

NOTE: You will be notified **ONLY** if the class for which you have registered is filled or cancelled. **NO** written confirmation will be sent. You are welcome to call the GRC office (314-962-5920) to confirm your child's registration in advance of the first Saturday class.

_____ I am willing to volunteer on Saturdays while my child is in class.

Are you a current member of GRC? _____
 Have you attended our programs previously? _____
 How did you learn about GRC? _____

Total Tuition:
 1st Class _____
 2nd Class _____
Teachers' Science Class _____

Total Enclosed: \$ _____

Please make check payable to:
 Gifted Resource Council
 357 Marshall Ave., Suite 6
 St. Louis, MO 63119-1827



Become a Member of GRC

Now you can participate in shaping America's future by becoming a member of Gifted Resource Council, a not-for-profit education agency serving bright and talented young people. Your tax-deductible contribution will enable us to improve existing programs, extend offerings and reach more children. Your membership will not only benefit gifted children, but also entitle you to receive the following:

- | | |
|---|--|
| <p>Gifted Member: \$60</p> <ul style="list-style-type: none"> ★ Priority registration for all programs ★ FREE parenting classes (\$160 value) ★ Use of GRC Library <p>Intelligent Friend: \$100</p> <ul style="list-style-type: none"> ★ All of the above, plus ★ \$10 discount off two Learning Lab registrations <p>Sharp Sponsor: \$150</p> <ul style="list-style-type: none"> ★ All of the above, plus ★ \$25 discount off a Summer Academy <p>Talented Patron: \$250</p> <ul style="list-style-type: none"> ★ All of the above, plus ★ Additional \$25 discount off a Summer Academy (\$50 total) | <p>Brilliant Benefactor: \$500</p> <ul style="list-style-type: none"> ★ All of the above, plus ★ One FREE Learning Lab course or ★ Learning Lab scholarship in your name at your request <p>Wise Philanthropist: \$1,000</p> <ul style="list-style-type: none"> ★ All of the above, plus ★ GRC logo lapel pin ★ The undying gratitude of gifted children throughout the metropolitan area <p>IMAGINATIVE INSTITUTION: \$100</p> <ul style="list-style-type: none"> ★ For schools and other not-for-profits |
|---|--|

Gifted Member Intelligent Friend Sharp Sponsor Talented Patron Brilliant Benefactor Wise Philanthropist Imaginative Institution

Name (as you wish your membership to be listed) _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

Please mail check to: Gifted Resource Council, 357 Marshall Ave., Suite 6, St. Louis, MO 63119-1827



357 Marshall Avenue, Suite 6
St. Louis MO 63119-1827
www.giftedresourcecouncil.org

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PAID
St. Louis, MO
Permit 4757

*Classes
and More!*



Or Current Resident

Learning Lab Fall 2009

New for Teachers!

Teachers Turn On to Hands-on Science

States of Matter Turn your science lessons into a hands-on feast for your young charges through this workshop led by a GRC master!

Suggested audience: Teachers of pre-K through early elementary students

Join us for a program that combines teacher training and live teaching/observation sessions through GRC's Saturday Learning Lab, "Get Your Hands On Science."

Dennis Grzenczyk, long-time GRC science teacher, shares his experience – and success – using items readily available to make science active and fun for learners. When you finish this program, you should never have to buy an official science kit again!

Cost: \$95

Class size: Limited to 20 teachers (first come, first served)

Force & Motion

Gravity

Workshop consists of:

1. A 1.5-hour presentation on one of two dates at the GRC office, 357 Marshall Ave., 4:30-6:00 p.m. Select either:
 - a. September 30 or
 - b. October 6
2. Saturday teacher session, 9:30-11:00 a.m., at GRC Learning Lab site, Wydown Middle School, 6345 Wydown. Select one or two Saturdays (Oct. 10 through Nov. 14) to coincide with the date(s) selected for step 3.
3. Saturday observation/participation, 11:10-12:40, at GRC Learning Lab site, Wydown Middle School. Select one or two dates depending on topics of interest. You will observe and assist with Dennis and Barb Grzenczyk's Learning Lab class, "Get Your Hands On Science."

Light

To register, call the GRC office at 314-962-5920 or see the registration form on page 7.

Relativity