



www.giftedresourcecouncil.org

### 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:** February 4, 11, 18, 25  
March 4, 11

**Times:** 9:30 – 11:00 & 11:10 – 12:40

**Location:** Wydown Middle School  
6500 Wydown Blvd.

**Tuition:** Each six week class is \$95

**Questions:** Gifted Resource Council  
314-962-5920  
info@giftedresourcecouncil.org



#### 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.

#### 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.

#### 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**

*Feb. 11* – “‘A’ is for Anxiety” with Dr. Chad Sylvester

*Feb. 18* – “Identity Development: How Do We Incorporate Achievement Orientation into Self-Concept?” with Dr. Agnes Meyo

*Feb. 25* – “Identifying and Supporting Executive Functioning Skills” with Nancy Bonn-Winkler

*Mar. 4* – “Positive Ways to Frame Corrective Comments with Children” with John Yunker

✳ Indicates a New Offering

9:30 - 11:00

✳ **Who Says Science Fair Projects Are Only for the Big Kids?!**

Ages: 3-4

*Do you like to experiment? Do you like to see what happens when you mix two liquids in the kitchen (with your parents' help, of course!)? Join us to conduct science fair experiments like the pros! We'll test reactions when elements are mixed, and try to find answers to big questions like, how fast is the speed of sound. Can you change air pressure to get an egg inside a bottle without breaking it? Make a hypothesis, conduct experiments, create logs and analyze results. It's the scientific method!*

Instructor: Shona Lamond

✳ **How Is It Made?**

Ages: 4-5

*Curious about – well, everything? Bring your destructive hands to us and take stuff apart with a purpose! Fabric, marker ink, paper and more – we'll take things apart and figure out how they are made. After the destruction (always fun!), we'll make new versions of the items. Share good stories to encourage your creative (de)construction projects, but don't worry – no books will be at risk! STEAM concepts (science, technology, engineering, math, art and design) active here.*

Instructor: Kristin Soifer

✳ **Take an Adventure through Space!**

Ages: 4-5

*Future astronauts, fasten your seat belts and prepare for lift off! Join us as we explore the planets and find other space adventures! Measure the distance of each planet to the sun using toilet paper. Create a meal fit for an astronaut. Can you show the first-quarter and crescent moon phases using Oreo cookies? Construct constellations of stars using toothpicks and marshmallows. These and more: Science, math, art and lots of fun!*

Instructor: Lauren Payne



✳ **Science Experiments for Fun and Feeding!**

Ages: 5-6

*Do you think science experiments are fun? Do you like to eat snacks? You will love this class! We'll follow a science topic, do an experiment and eat the results! Explore the life cycle of the butterfly, from eggs to caterpillar to chrysalis to our flying friend. What parts of our 'butterfly' can you eat? Use candy to make different kinds of rocks. What do you know about clouds and how can you eat them? Apply*

*scientific principles to these experiments and more!*

***We cannot accommodate children with peanut and nut allergies in this class.***

***Special Fee: \$5***

Instructor: Beth Crites

✳ **Create Your Own Picture Book!**

Grades: K-1

*You know lots of good books, but have you ever thought of making one yourself? We'll go 'inside' some all-time favorites including "Cat in the Hat," "Harry the Dirty Dog," "If You Give a Mouse a Cookie" and more, to find out what makes them good books. How do authors organize information and ideas? What is the sequence of events? Plan, write and illustrate your own picture book. What writing style will you use? What pictures will you draw? Take home your original creation!*

Instructor: Barbara Vaden



✳ **Engineering & Problem Solving**

Grades: K-1

*Are you a problem solver? Can you build a paper airplane that can carry cargo as well as fly far distances? How can you build a house so it can withstand the rumble of an earthquake or the winds of a tornado? What shape of bridge will support the most weight and allow cars to travel safely? Bring your engineering, creative thinking and problem-solving skills to solve a different problem each week! Make a plan, test your design, share ideas with other students to improve your design, then redesign, build and test your plan. STEM practices at work, as we create, build and experiment!*

Instructor: Abby Leeper



✳ **Cooking: Merriment with Math**

Grades: 1-2

*A dash of this, a pinch of that? No way! We'll be halving fun as we precisely measure, stir and cook our way through recipes you'll take home. How much flour do you knead for no-bake cookies? How many tablespoons in a cup? What are the ingredients for homemade ice cream? Cut a recipe in half, then double another one. Lots of recipes! It may sound like fractions and math, but it measures up to fun! ***We cannot accommodate children with peanut and nut allergies in this class.****

***Special Fee: \$5***

Instructor: Taylor Gudgel

9:30 - 11:00 continued

### \* Codes & Ciphers for Colonial Spies

Grades: 1-3

*Secret codes and complex ciphers: Do you have what it takes to be one of George Washington's spies? Go undercover and test your spy skills as we explore the ways messages were sent during the Revolutionary War. Learn a different code each week and collaborate with fellow spies as you*



*work together on a scavenger hunt. Solve ciphers, decode messages, build a Jefferson cipher wheel and tackle challenges, all for the cause of life, liberty, and the pursuit of happiness!*

Instructors: Carrie Ziolkowski and Susan Schneider

### Bodysmart Anatomy

Grades: 2-3

*Take an up-close and personal view of our human body systems – the digestive, integumentary, skeletal, nervous, respiratory and cardiovascular! How do your human organs work together to make one amazing machine? Examine a pig's heart and sheep's brain in your quest to probe the human condition. Map your circulatory system and connect it to the digestive system for the care of the heart. Make sure you don't have a weak stomach when we demonstrate how the stomach digests food! This inside-out approach to your body is not for the faint of heart! Models, diagrams, craft activities and food!*

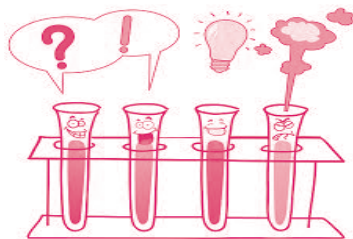
Instructor: Megan Hernke

### Chemistry for Kicks

Grades: 3-4

*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 luminescence. You owe the food you eat to photosynthesis. Experiment with an acid/base indicator using cabbage, and separations/chromatography using inks; consider units and density; make slime/goo; explore phases of matter; examine atoms, molecules, and the periodic table; and investigate much more. Get a kick out of chemistry!*

Instructor: Morgan Moody



\* Indicates a New Offering

### \* Graphic Novels: Embrace the Genre

Grades: 3-6

*Caught in the graphic novel craze? Reach your apex, where comics and narrative meet! Create a book of your own, as we embrace the genre through authors including Raina Telgemeier, Cece Bell, Jeff Smith, and Gene Luen Yang. Discover techniques authors and artists use to develop story ideas ranging from the pitfalls of growing up, to historical events, to simply out-of-this-world adventures! How do these artists use technology to their advantage? Use special inks to create your backdrops, and consider the technical side of how the experts create their books. Art + literature + comics? A novel idea!*

Instructor: Megan Mills

### \* Experiment in the Biomedical Sciences

Grades: 4-5

*Explore six areas of biomedical science as we run inquiry-based experiments in a laboratory setting each week. Apply the scientific method and critical thinking skills to support our investigations into the what, how and why of density, molarity and serial dilutions, diffusion and membrane permeability, surface tension, DNA extraction, and anatomy of breathing. Lessons adapted from curriculum developed by the Young Scientist Program through the Division of Biology and Biomedical Sciences at Washington University School of Medicine.*

Instructor: Robert Linnenbom



### Put Yourself in the (Statistics) Game!

Grades: 4-5

*Love to track sports statistics and analyze the game? What if you were the athlete? How can you use statistics to improve your own performance? Throw a ball, then use the Vernier Video Physics app and analyze trajectory, position and velocity graphs. Then determine the best path for a basketball shot. Perform simple activities – jump, run, etc. – and create Google spreadsheets, graphs and algebraic equations to set goals for improvement and predict future success! Join this sports 'lab' to get to the heart of statistics: ranges, means, box plots, histograms and more!*

Instructor: Chuck Baker

### \* Revolutions through History

Grades: 4-8

*What incites people to revolt against their government? How do you alter or abolish a given system of leadership? Why do revolutions succeed or fail? Consider revolutions*

9:30 - 11:00 continued

in early Rome, the American colonies, France, Haiti, Russia and Iran – one each week. Examine the personalities of the leaders on both sides of each conflict. Determine the weapons used to accomplish the leaders' goals. What were the conditions surrounding the revolution? And can we consider the types of foods people ate in each era?

Instructor: Art Koenig

### \* Courts and Trials

Grades: 5-6



What is the difference between a criminal case and a juvenile case, a bench trial and a jury trial, and a jury and a grand jury? What is a verdict? What is evidence and how important is it in a trial? Learn the answers to these questions and many more about our legal system. What do the people who work in our judicial system do on a day-to-day basis? Experience the steps to prepare a case for trial, and explore the roles of witnesses, jurors and citizens. Our final activity: a mock trial!

Instructor: Sakina Ahmad

### \* The Fashion Designer in You!

Grades: 5-8

Focus on fashion! Start with basic techniques by identifying fibers, fabric and your focus. Then move into advanced tips like balance and proportion (off-balance hemline, anyone?). Use fabric swatches as you consider your own unique style, and incorporate that style into an original pattern for a skirt or pajama design. Add fashion details as you select fabric, pin, cut and sew. Express your own voice as you add flourish to your fashion statement!

Instructor: Chandria Howard

### Checkmate!

Grades: 5-8

Interested in a future that includes chess? Plan to try the tournament world? Start here with a formal introduction for the novice and 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. Join this stepping-stone for tournament play and advance your skill level. More advanced students find challenge in this class.

Instructor: Stephen Randoll

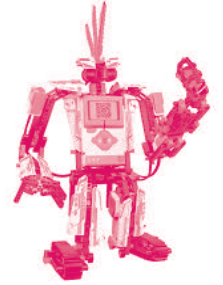
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### Robotics Technology Using LEGO® MINDSTORMS® EV3 Kits

Grades: 6-8

Build and program working robots which respond to commands and to their environments, including color sensors. The sky's the limit with LEGO® MINDSTORMS® EV3 robotics kits! Choose your own challenges, as you work with multiple sensors, motors, and intelligent units. How will you make your robot move, "see," "hear," avoid obstacles, speak, and otherwise interact with what's around it? Work with a team and apply the engineering process to test solutions based on real-life robotics technology. Problem-solving skills and creativity will prove that the possibilities are endless!

Instructor: Lisa Hummel



11:10 - 12:40

### \* How Is It Made?

Ages: 3-4

See 9:30 – 11:00 class description.

Instructor: Kristin Soifer

### \* Who Says Science Fair Projects Are Only for the Big Kids?!

Ages: 4-5

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### \* Take an Adventure through Space!

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### \* Science Experiments for Fun and Feeding!

Grades: K-1

See 9:30 – 11:00 class description.

**We cannot accommodate children with peanut and nut allergies in this class.**

**Special Fee: \$5**

Instructor: Beth Crites

### \* Engineering & Problem Solving

Grades: 1-2

See 9:30 – 11:00 class description.

Instructor: Abby Leeper

11:10 - 12:40 continued

**\* Create Your Own Picture Book!**

Grades: 1-2

See 9:30 – 11:00 class description.

Instructor: Barbara Vaden

**Checkmate!**

Grades: 1-4

See 9:30 – 11:00 class description.

Instructor: Stephen Randoll

**\* Cooking: Merriment with Math**

Grades: 2-3

See 9:30 – 11:00 class description.

**We cannot accommodate children with peanut and nut allergies in this class.**

**Special Fee: \$5**

Instructor: Taylor Gudgel



**Bodysmart Anatomy**

Grades: 3-4

See 9:30 – 11:00 class description.

Instructor: Megan Hernke

**\* Show Your Style with Fabric Art**

Grades: 3-5

*Fiber and fabric lovers, weave a kaleidoscope of fabric art! Apply color, texture and design elements, and especially your originality to different art forms. Experiment with various art media and different fabrics. Make your own fabric design with food-color dyes. Create a fabric wall hanging. Sew beads, buttons, sequins, ribbons and other embellishments onto your fabric artwork. Entwine fabric, fashion and feeling into every fiber project you create!*

Instructor: Chandria Howard



**Harry Potter: Good and Evil**

Grades: 3-6

*You know the Harry Potter movies. You have seen the merchandise and probably know what colors of Bertie Bott's to avoid. What about the stories behind the stories? The books are full of magic, werewolves, vampires, trolls and the epic battle of Good versus Evil! Where does all*

*that come from? Who are the heroes and villains and who falls in between? Why does love protect Harry as well as it does? How does the magic wand reflect the personality and area of expertise of the characters? Make your own*

**\* Indicates a New Offering**

*judgments as we pose questions, play games and indulge in trivia devoted to the wizarding world. "Fantastic Beasts" will certainly be fair game during one session of the class!*

Instructor: Art Koenig

**Robotics Technology Using LEGO® MINDSTORMS® EV3 Kits**

Grades: 4-5

See 9:30 – 11:00 class description.

Instructor: Lisa Hummel

**Chemistry for Kicks**

Grades: 5-6

See 9:30 – 11:00 class description.

Instructor: Morgan Moody

**I Survived! Fatal Flaws & Disasters**

Grades: 5-8

*Fascinated by disasters? The Titanic, the Hindenburg, Pompeii. Natural or human-made, we want to know: Would I survive? Investigate first-hand accounts and re-create models of some of the greatest disasters*



*in human history. Put yourself in the shoes of an individual trapped in The Great Chicago Fire and use materials available then to plan an escape. Simulate and investigate the wind power of F1-F5 tornadoes and hurricanes. Create a model of the Titanic. Did poor engineering, human error or negligence play a role in any of these disasters? What do we know about the people who survived? Would YOU?*

Instructor: Megan Mills

**\* Experiment in the Biomedical Sciences**

Grades: 6-8

See 9:30 – 11:00 class description.

Instructor: Robert Linnenbom

**Put Yourself in the (Statistics) Game!**

Grades: 6-8

See 9:30 – 11:00 class description.

Instructor: Chuck Baker

**\* Courts and Trials**

Grades: 7-8

See 9:30 – 11:00 class description.

Instructor: Sakina Ahmad

**For Adults Only**  
**11:10 - 12:40**

**Instructors**

### **Parenting and the Gifted Child**

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

*Feb. 11 – “A’ is for Anxiety” with Dr. Chad Sylvester*

*Feb. 18 – “Identity Development: How Do We Incorporate Achievement Orientation into Self-Concept?” with Dr. Agnes Meyo*

*Feb. 25 – “Identifying and Supporting Executive Functioning Skills” with Nancy Bonn-Winkler*

*Mar. 4 – “Positive Ways to Frame Corrective Comments with Children” with John Yunker*

**Fee: \$20 per class; Series: \$80/individual or \$100/couple.**

**Free to GRC Members.**



**Executive Director \* Susan Jesse**  
**Program Director \* Susan C. Flesch**  
**Office Manager \* JoAnn Hetisimer**

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**Contact GRC:**  
**314.962.5920 or**  
**info@giftedresourcecouncil.org**

**Sakina Ahmad**, L.L.M., Washington University School of Law, Attorney for the Juvenile Office, 22nd Judicial Circuit  
**Chuck Baker**, M.S., University of Missouri, Math Teacher, Ferguson-Florissant School District

**Nancy Bonn-Winkler**, M.Ed., University of Missouri-St. Louis, Counselor of Gifted, Rockwood School District

**Beth Crites**, M.A., Maryville University, Elementary Teacher, Sts. Joachim and Ann School

**Taylor Gudgel**, B.A., Kansas State University, Elementary Teacher, City of St. Charles School District

**Megan Hernke**, B.S., Southeast Missouri State University, High School Science Teacher, Pattonville School District

**Chandria Howard**, M.A., Washington University, Teacher of Gifted

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

**Art Koenig**, A.M., German Literature, Washington University, GRC’s “Renaissance Man”

**Shona Lamond**, M.A., Lindenwood University, Assistant Principal, Early Childhood, St. Louis Public Schools

**Abby Leeper**, M.A., Maryville University, Elementary Teacher, City of St. Charles School District

**Robert Linnenbom**, “Jack of All Grades”, Elementary and Middle School Teacher, Member of the American Association for the Advancement of Science

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

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

**Morgan Moody**, Ph.D., Chemistry, University of Missouri-Columbia

**Lauren Payne**, M.Ed., Lindenwood University, Reading Specialist, City of St. Charles School District

**Stephen Randall**, Rated USCF National Expert, President, St. Louis Chess Foundation

**Susan Schneider**, M.S., Gifted Education, Lindenwood University, GALACTIC Teacher, Hazelwood School District

**Kristin Soifer**, B.A., Washington University, Preschool Teacher, University United Methodist Preschool

**Dr. Chad Sylvester**, M.D., Ph.D., Washington University School of Medicine, Instructor, Psychiatry (Child), Washington University School of Medicine

**Barbara Vaden**, B.S., Harris Stowe State University, Elementary Teacher

**John Yunker**, M.S., Licensed Psychologist, Private Practice

**Carrie Ziolkowski**, M.A.Ed., Maryville University, GALACTIC Teacher, Hazelwood School District

# Learning Lab Registration - Winter 2017

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. _____	_____	_____	_____
3. _____	_____	_____	_____

**TUITION:** Each six-week course is \$95.00. No refunds after February 4, 2017. Members' priority registration privilege good until January 6, 2017. 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 \_\_\_\_\_  
 Special fees \_\_\_\_\_  
**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:

- GIFTED MEMBER: \$60**
- ★ Priority registration for all programs
  - ★ FREE parenting classes (\$160 value)
  - ★ Use of GRC Library

- BRILLIANT BENEFACTOR: \$500**
- ★ All of the above, plus
  - ★ One FREE Learning Lab course or
  - ★ Learning Lab scholarship in your name at your request

- INTELLIGENT FRIEND: \$100**
- ★ All of the above, plus
  - ★ \$10 discount off two Learning Lab registrations

- WISE PHILANTHROPIST: \$1,000**
- ★ All of the above, plus
  - ★ GRC logo lapel pin
  - ★ The undying gratitude of gifted children throughout the metropolitan area

- SHARP SPONSOR: \$150**
- ★ All of the above, plus
  - ★ \$25 discount off a Summer Academy

- IMAGINATIVE INSTITUTION: \$100**
- ★ For schools and other not-for-profits

- TALENTED PATRON: \$250**
- ★ All of the above, plus
  - ★ Additional \$25 discount off a Summer Academy (\$50 total)

My employer \_\_\_\_\_ will match my charitable donation (company name)

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 \_\_\_\_\_

I am also interested in helping as a volunteer. Please contact me.

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

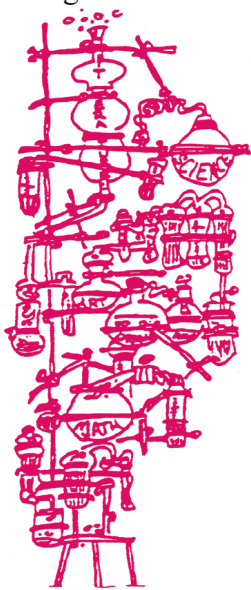


357 Marshall Avenue, Suite 6  
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[www.giftedresourcecouncil.org](http://www.giftedresourcecouncil.org)

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*Classes  
and More!*

## Learning Lab Winter 2017

### What are topics and dates for GRC's Summer Academies 2017?

June 12-23	Math, Marvels & More (Grades K-2) ECO Academy: Combining ECONomics and ECOlogy (Grades 3-8)
June 26-July 7 & July 10-21	Ancient Academy: Ancient Egypt (Grades 3-8) Jr. Science Searchers (Kindergarten) Space Academy (Grades 1-8)
July 10-21 ONLY	Academy Americana: Colonial Times (Grades 1-3)

9:00 a.m. - 3:30 p.m., Monday - Friday; extended care available.  
Attend two, four or six weeks! Look for GRC's Summer Academies  
brochure in the mail or on-line during February.

For more information, call: 314.962.5920  
e-mail GRC: [info@giftedresourcecouncil.org](mailto:info@giftedresourcecouncil.org)  
or access the GRC Web site: [www.giftedresourcecouncil.org](http://www.giftedresourcecouncil.org)

### What is the location for GRC's Summer Academies 2017?

Join us at Wydown  
Middle School,  
6500 Wydown Blvd.  
in Clayton

