



GiftedResourceCouncil Summer Academies 2017

Where's the place you want to be seen? at GRC's Summer Academies 2017!

New themes, new activities every year! Try one! Try two. . . Make it three sessions, and give your child the chance to have a blast of a summer, the fun of gifted peers and the challenges that they talk about for years!

June 12-23
(See page 2)

Math, Marvels & More! (Grades K-2)
Equations, Energy and Expression
ECO Academy (Grades 3-8)
ECO-nomics + ECO-logy



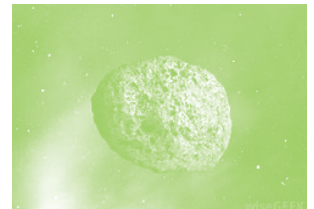
June 26-July 7
(See page 3)

Jr. Science Searchers (Completing Kindergarten)
From Outer Space to Ocean Depths
Ancient Academy (Grades 3-8)
Ancient Egypt: Scarabs, Sculptures and Scripts
GRC's Space Academy (Grades 1-5)
Colonizing the Cosmos: Is There Any Place Like Home?
GRC's Advanced Space Academy (Grades 6-8)
Colonizing the Cosmos: Is a Galaxy in Your Future?



July 10-21
(See page 4)

Jr. Science Searchers (Completing Kindergarten)
From Dinosaurs to Tropical Rainforests
Ancient Academy (Grades 3-8)
Ancient Egypt: Tales, Tombs and Tut
GRC's Space Academy (Grades 1-5)
Cosmic Catastrophes: Novas, Supernovas and Black Holes
GRC's Advanced Space Academy (Grades 6-8)
Cosmic Catastrophes: Natural and Human-made
Academy Americana (Grades 1-3)
Colonial Times: Hamilton and Friends!



For additional information on all academies, call 314-962-5920
OR email GRC: info@giftedresourcecouncil.org

Wydown Middle School
6500 Wydown Blvd.
Clayton, MO 63105

9:00 a.m.-3:30 p.m. *Monday-Friday*
Before & after care available at additional cost.

June 12-23

Math, Marvels & More! (Completing Grades K-2)
Totally new themes and adventures each year!

JUNE						
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Equations, Energy and Expression

It's going to be a positively electric summer! In science, explore the physics of force, motion and electrical circuits. Experiment with Newton's laws to launch airplanes, rockets, cars and wind-powered sailboats. Search for hidden treasure with magnetoscopes, and use crashing Hot Wheels™ cars to unravel clues about force in motion. In math, send numbers dancing across your mind! Manipulate algebraic equations with variables, use positive and negative integers, and explore inequalities. In creative expression, experiment with music and movement, art and motion. Generate music and song as you use the forces of motion and wind to make musical instruments. Create zany, interactive art and explore the energy level it generates! Join us for an electrifying two weeks of experiments, equations and expressive art!



ECO Academy (Completing Grades 3-8)

ECO-nomics + ECO-logy

Do you like to make money? Do you want to run a business? Tap your own environmental energy and power a world of (business) change. How much financial backing can you acquire for your startup through stock sales? Debate ecological issues for your business, while designing an environmentally responsible product that inspires others. Does your business model address the dynamics of the marketplace? Take your business from financial planning to marketing to production and sales. Scientific inquiry, advertising art, decision-making skills, financial and mathematical interests – all in a day's work for the ECO in YOU!

Physical Training

An integral part of each Summer Academy experience, our physical training (PT) is no ordinary play time. Activities are directly linked to each Summer Academy. For example, in Math, Marvels and More, enjoy scooterboard math games and cooperative math aerobics. Space cadets will use teamwork in their cooperative games as they prepare for space travel. No matter the era or interest, PT always spells F-U-N!



HOW TO APPLY

1. Complete application form.
2. Give Teacher Evaluation Form (with stamped envelope addressed to GRC) to the teacher who knows you best.
3. Submit a copy of your most recent standardized test scores (ERB, Iowa, MAP, Terra-Nova, WISC, etc.).
4. Send deposit check for \$100 for each session payable to Gifted Resource Council. (Deposit is refundable only if student is not accepted; no refunds after June 1).
5. Tuition balance (\$375) is due upon acceptance or by special arrangement.

Please mail to:

Gifted Resource Council
357 Marshall Avenue, Suite 6
St. Louis, MO 63119

TIME

All programs are full day, 9:00 a.m. – 3:30 p.m.
'Before' care is available 7:30 – 9:00 a.m.;
\$90 per session
'After' care is available 3:30 – 5:30 p.m.;
\$120 per session

PLACE

Wydown Middle School
6500 Wydown Blvd.
Clayton, MO 63105

COST

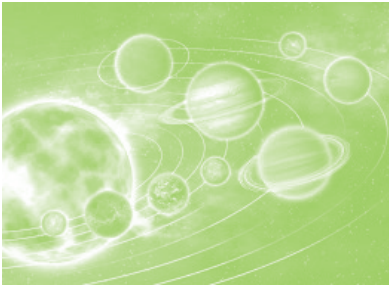
\$475 per 2-week session

June 26-July 7

Jr. Science Searchers (Completing Kindergarten)

From Outer Space to Ocean Depths

Explore the reaches of outer space as we contemplate the sun, moon, planets and stars.



Develop the surface of the moon as we learn about its sea, volcanoes and Apollo landings, and build your own miniature ‘moon rover.’ How far can you jump on the moon?

Calculate your weight on other planets. Harness the energy of the sun in your solar oven to roast toasty marshmallows. Next, plunge into the mysteries of the ocean. Meet and study its animals, large and small, friendly and dangerous. Make edible aquariums. Learn how the bodies of sharks are both similar and different from ours. Clean up a mini oil spill and find out how we can protect the ocean.

JUNE/JULY							
25	26	27	28	29	30	1	
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	

Ancient Academy (Completing Grades 3-8)

Ancient Egypt: Scarabs, Sculptures and Scripts

Scribes, artisans, farmers, and peasants: Your position in society directed your life. Yet everyone planned for the future – that is, the future after life! What did mummies have to do with your daily Egyptian life? What goes into the process of mummification? Sculpt the Eye of Horus and heart scarabs, and create funerary masks and ushabti figurines (your little helpers in the afterlife). Discover the complicated yet fascinating ancient Egyptian writing system of hieroglyphs and make a metal cartouche of your name. Focusing on after life – pyramids and all – brings a lot of energy to your day!



GRC’s Space Academy (Completing Grades 1-5)

Colonizing the Cosmos: Is There Any Place Like Home?



Will you colonize another galaxy like the Star Wars™ universe or an orbiting space settlement in Star Trek style? Who will build the basics of your habitat? Send up the robots you design, of course, using LEGO® robotics! Will any local resources (minerals, liquids) be usable? What can shield your new world from the danger of cosmic rays? Design a space suit that will sustain you through travels and daily life. Where can you find materials and life-sustaining resources – on moons of planets, other bodies in our universe, or exoplanets in new solar systems? Construct and launch your own rocket to lift off on your adventure!

GRC’s Advanced Space Academy (Completing Grades 6-8)

Colonizing the Cosmos: Is a Galaxy in Your Future?

Explore the possibilities and dangers of colonization in outer space as you experiment with survival systems, weather and more. Is an underground colony your best bet? You know the dangers of traveling there, but what dangers are you bringing to your new home? Can you seed clouds for your planet using rockets? You’ve studied planned survival on a planet; what if your vehicle fails and you are stuck somewhere in flight? Explore recent theories of warp drive power using space-time waves and warp bubbles. Will this get us closer to Han-Solo-like hyperspace travel? How can we recycle carbon dioxide to generate energy on another planet? Master the day-to-day challenges in your colony with engineering using LEGO® Mindstorms® EV3 robotics. Design, build, launch and evaluate the performance of your own rocket. Visit the Challenger Center, serving on the spacecraft and in mission control.



July 10-21

JULY							
							1
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	

Jr. Science Searchers (Completing Kindergarten)

From Dinosaurs to Tropical Rainforests



Don your paleontologist hat and take a trip back to the time of the dinosaurs.

Hatch a dinosaur egg, as we learn about carnivores, herbivores and omnivores.

Construct fossils and ponder the continental drift; explore body types and teeth structures of dinosaurs. Join us for a ‘safari’ as we locate tropical rainforests on a map. How do plants, as well as animals like monkeys, bats and frogs, survive? What spices would you find? Make your own spice blend. Discover the beauty of bromeliads and pitcher plants. Experience the unique sights, sounds and smells of the rainforest!

Ancient Academy (Completing Grades 3-8)

Ancient Egypt: Tales, Tombs and Tut

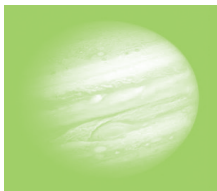
Good king, bad king... god-king? Akhenaten, Tut and Ramesses II – how would you categorize each? Read between the (hieroglyphic) lines from “The Book of Coming Forth by Day” (aka “Book of the Dead”) as we design our sarcophagus. Make amulets to honor the gods. Create a map of the Nile River and honor its life-giving powers: What is its significance to the culture? Sample Egyptian delicacies at our festival for Bastet, the cat goddess. Make your own cat mummy as a devotional gift to her. Investigate the mystery of the great pyramids, and write in hieroglyphs.

GRC’s Space Academy (Completing Grades 1-5)

Cosmic Catastrophes: Novas, Supernovas and Black Holes!

Join us as we use math and science to unravel the mysteries of many cosmic catastrophes! What do we know about the debris that formed our moon? Simulate the formation of craters – take measurements and determine what they tell us about age. With LEGO® robotics, develop tests to use on other planets and moons. How can we track and deflect asteroids and meteoroids? Is a shooting star a cosmic catastrophe? What other occurrences in space might start as a catastrophe and become new star systems or planets? Build and launch your own model rocket.

GRC’s Advanced Space Academy (Completing Grades 6-8)



Cosmic Catastrophes: Natural & Human-made

Explore the phenomenon of two black holes that crashed into each other and merged, creating gravitational waves. Why have scientists programmed probes to deliberately crash into a planet? What are the long-term scientific implications of these events? How did scientists master flight dynamics such that the Rosetta landed on Comet 67P only 33 meters from the target point? Explore NASA’s Asteroid Redirect Mission. Examine the resulting impact when the Shoemaker-Levy comet broke apart and hit Jupiter. Why is Jupiter considered a “cosmic vacuum cleaner”? Incorporate engineering into your experiments with LEGO® Mindstorms® EV3 robotics. Design, build and launch rockets. Visit the Challenger Center, serving on the spacecraft and in mission control.

Academy Americana (Completing Grades 1-3)

Colonial Times: Hamilton & Friends!

Alexander Hamilton, George Washington, and others: They were once young, scrappy and hungry! Complete your day-to-day chores, making soap, brooms and clothing for your family, and then walk to school, carrying your important possessions in a pocket or haversack that you’ve made. Practice writing lessons with a quill and enjoy colonial games with your friends. Become an apprentice to the local tinsmith, blacksmith or printer. How was the Jefferson cylinder – a cipher wheel – used to decode messages during the Revolutionary War? Follow the path of the Founding Fathers and use democratic principles from the Declaration of Independence and Constitution to create your own system of laws. History has its eyes on you!



ABOUT OUR TEACHERS

Beverly Berla, M.A., Gifted Teacher, former Executive Director of Gifted Resource Council, nineteenth year as Ancient Academy Instructor.

Nancy Brennan, B.S., Gifted Specialist, Pattonville School District, eighteenth year as Math, Marvels & More Instructor.

Matt Grogan, M.A., Physical Education Teacher, Ferguson-Florissant School District, first year as P.T. Instructor.

Carol Haukap, B.S., Middle School Teacher, tenth year as ECO Academy Instructor.

Lisa Hummel, M.A., Middle and High School Science Teacher, thirteenth year as Space Academy Instructor.

Susan Jesse, M.Ed., Gifted Education Teacher, thirteenth year as Space Academy Instructor.

Megan Kemper, B.S., High School Science Teacher, Pattonville School District, second year as Space Academy Instructor.

Art Koenig, A.M., GRC's "Renaissance Man", nineteenth year as Ancient Academy Instructor.

Rob Lamb, B.S., High School Science Teacher, Pattonville School District, sixth year as Advanced Space Academy Instructor.

Abby Leeper, M.A., Elementary Teacher, City of St. Charles School District, fifth year as Jr. Science Searchers Instructor.

Lyndlee Mabry, M.A.T., M.A., Education for Global Sustainability, Teacher of Gifted Education, School District of University City, seventh year as ECO Academy Instructor.

Kathleen Murphy, M.Ed., Science Teacher, Ladue School District, twentieth year as Space Academy Instructor; ninth year as Math, Marvels & More Instructor.

Hameeda Qadafi, M.A., Teacher of Gifted Education, eighteenth year as Math, Marvels & More Instructor.

Susan Schneider, M.A., Teacher of the Gifted, Hazelwood School District, thirteenth year as Academy Americana Instructor.

Jen Ventimiglia, M.A., Elementary Teacher, St. Louis Public School District, fifth year as Jr. Science Searchers Instructor.

Barb Wnek, M.Ed., Physical Education Teacher, Ferguson-Florissant School District, thirty-first year as P.T. Instructor.

Carrie Ziolkowski, M.A., Teacher of the Gifted, Hazelwood School District, twelfth year as Academy Americana Instructor.

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

OTHER DETAILS

Extra T-shirt: \$10 (one is included with tuition)

Lunch: Please provide a brown bag lunch and drink each day. Refrigeration will not be available.

Transportation: Carpooling is encouraged. ZIP code listings will be made available. Please call 314-962-5920.

Late Fee: \$25
(for registration after June 1)

FINANCIAL ASSISTANCE

Full or partial grants offered, based on need. Priority given to students completing grades 3 – 8.

MERIT SCHOLARSHIP OPPORTUNITY

Are you a top student in grades 6 – 8? Have you shown a strong interest in science? Are you applying for Advanced Space Academy?

Then you are a great candidate to receive the **Linda McCall Merit Scholarship!** We invite all those who have demonstrated a commitment to learning science to apply for this outstanding opportunity. Earn a full scholarship to GRC's Advanced Space Academy.

This merit scholarship is offered annually by the Gifted Resource Council Board of Directors.

Call the GRC office at 314-962-5920 to request an application or download one from the GRC Web site: giftedresourcecouncil.org

All applications must be received by **May 12, 2017**.



TEACHER EVALUATION FORM

Child's Name _____ Grade _____

Academy: _____ Ancient Academy _____ Jr. Science Searchers _____ Math, Marvels & More
 _____ ECO Academy _____ Space Academy _____ Advanced Space Academy
 _____ Academy Americana

Dear Teacher,
 We are asking for a few moments of your time to help us evaluate the above-named student as a candidate for our summer program for bright and talented students. As an education professional who works closely with this student, you are in the best position to provide the kind of information that we need to ensure a positive experience for our students. Please fill out the rating scale and return it to us as quickly as possible. Applicants cannot be considered for admission until your evaluation is received. If you have any questions regarding any Gifted Resource Council program or the completion of this form, please call us at **314-962-5920**.

Please send the completed form to:
Gifted Resource Council
357 Marshall Avenue, Suite 6
St. Louis, MO 63119

School _____ District _____
 Teacher _____ Phone (_____) _____
 Capacity in which you work with this child _____

Thank you very much for your time and cooperation!

Rate from 1 (low) to 5 (high)	1	2	3	4	5
Has unusually advanced vocabulary for age or grade level					
Has quick mastery and recall of factual information					
Has a rapid insight into cause-effect relationship; tries to discover the how and why of things					
Is a keen and alert observer; usually sees more and gets more out of a story, film, etc. than others					
Becomes absorbed and truly involved in certain topics or problems; is persistent in seeking task completion (is sometimes difficult to get him/her moving on to another topic)					
Is comfortable working with minimal direction from teachers					
Is quite concerned with right and wrong, good and bad; often evaluates and passes judgment on events, people and things					
Displays a great deal of curiosity about many things; is constantly asking questions about anything and everything					
Generates a large number of ideas or solutions to problems and questions; often offers unusual ("way out"), unique, clever responses					
Displays a keen sense of humor and sees humor in situations that may not appear to be humorous to others					

Please rank this child academically in your class. _____
 Please rank this child behaviorally in your class. _____

Is there anything else you would like us to know about this child? _____



SUMMER 2017 APPLICATION

All applications are processed on a first-come, first-served, space-available basis.

Please indicate which sessions and programs your child wishes to attend.

June 12-23 _____ Math, Marvels & More _____ ECO Academy	June 26-July 7 _____ Ancient Academy _____ Jr. Science Searchers _____ Space Academy _____ Advanced Space Academy	July 10-21 _____ Ancient Academy _____ Jr. Science Searchers _____ Space Academy _____ Advanced Space Academy _____ Academy Americana
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Name _____ Age _____ Birth Date _____ Sex _____
 Completing Grade _____ First time applicant _____ Returning student _____ Years(s) attended _____

Mother's Name _____ Address _____

Please * the address to which all correspondence should be sent. Please provide area codes.

City _____ State _____ Zip _____ Phone: Home (____) _____
 Employer & Occupation _____ Work (____) _____
 Email Address _____ Cell (____) _____

Father's Name _____ Address _____

City _____ State _____ Zip _____ Phone: Home (____) _____
 Employer & Occupation _____ Work (____) _____
 Email Address _____ Cell (____) _____

IF PARENT CANNOT BE REACHED, CALL:
 _____ Relationship _____ Phone (____) _____

Allergies or physical limitations _____

Other problems of which we should be aware? _____

Physician _____ Phone (____) _____

School and District _____ Phone (____) _____

How did you learn about GRC's Summer Academies? _____

Yes, I'd like to help a scholarship student attend a Gifted Resource Council Summer Academy.

I have enclosed \$ _____. Please add my name _____ to the growing list of donors.

Total tuition is due upon acceptance or by special arrangement.
Total tuition:
\$475 per 2-week session

Fees due with application:
 \$100 deposit per session

Do you need extended day care?
 Mornings (\$90)
 Afternoons (\$120)

T-shirt size:
 Child: 10-12 14-16
 Adult: S M L XL

One shirt is included with tuition. Additional shirts are \$10 per shirt. (Shirts run a little small.)

Fees Enclosed:

Deposit	_____
Tuition Balance	_____
Extended Day Care	_____
Extra T-shirt	_____
Membership (optional)	_____
Scholarship donation (optional)	_____

Did you include test scores?

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

Questions?
Call 314-962-5920

BECOME A MEMBER OF GIFTED RESOURCE COUNCIL

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 |
|---|--|
- 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 (____) _____

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
www.giftedresourcecouncil.org

Non profit org.
U.S. Postage
Paid
St. Louis, MO
Permit 4757

Why GRC?
Involved Teachers
Engaging Curriculum
Inquisitive Friends
FUN!

Summer 2017 Academies **GiftedResourceCouncil**

Application Enclosed

What Should We Know about GRC's Summer Academies?

Does my child need to be enrolled in a school's gifted program to attend GRC?

No! ALL bright and talented students enjoy our programs.

Is the program all work and no play?

Absolutely not! GRC is known for engaging children in "hands-on" activities and encouraging friendships.

Where are GRC's Summer Academies located?

**NEW LOCATION
for 2017:**

Wydown Middle School
6500 Wydown Blvd.
Clayton, MO 63105

Do you offer Extended Day Care?

Yes!

Before Care is 7:30 – 9:00 a.m.
After Care is 3:30 – 5:30 p.m.

What do parents say?

"GRC has one of the absolute best camp/summer enrichment experiences."

"My child thrived in this environment. We loved that he was finally challenged. He loved it, too!"

What do children say?

"GRC provides Grade A camps."

"I enjoyed meeting other people and making new friends."