Turn Winter Chills into Summer Thrills with GRC’s Summer Academies 2019!

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 10-21**
(See page 2)

**Math, Marvels & More! (Grades K-2)**
Adding Light to the Subject
ECO Academy (Grades 3-8)
ECO-nomics + ECO-logy

**June 24-July 5**
(See page 3)

**Jr. Science Searchers (Completing Kindergarten)**
From Dinosaurs to Tropical Rainforests
**Ancient Academy (Grades 3-8)**
Medieval Times: From Peasant to Crown
GRC’s Space Academy (Grades 1-5)
Return to the Moon: Lunar Living & Leisure
GRC’s Advanced Space Academy (Grades 6-8)
Return to the Moon: Outposts & Orbiting

**July 8-19**
(See page 4)

**Jr. Science Searchers (Completing Kindergarten)**
From Ocean Depths to Outer Space
**Ancient Academy (Grades 3-8)**
Medieval Times: From Castle to Village
GRC’s Space Academy (Grades 1-5)
Beyond the Moon: Sailing into Space
GRC’s Advanced Space Academy (Grades 6-8)
Beyond the Moon: Science of Lunar Launching
Academy Americana (Grades 1-3)
Who (Was) Were...Early 20th Century Stars?

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

Wydown Middle School
6500 Wydown Blvd. 9:00 a.m.-3:30 p.m. *Monday-Friday*
Clayton, MO 63105 Before & after care available at additional cost.

Gifted Resource Council is a not-for-profit education agency serving the greater St. Louis metropolitan area. Its purpose is to bring together the resources of the community, the schools and parents to help bright and talented children achieve their potential.
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
$500 per 2-week session

June 10-21
Math, Marvels & More!  (Completing Grades K-2)
Totally new themes and adventures each year!

Adding Light to the Subject
Bend, bounce and break light! Get a fractured view of the world as you make bug-eye glasses so you can ‘see’ what our insect friends see. How is a kaleidoscope like a bug’s eye? Experiment with a chemical reaction that creates light. Design a laser maze to explore reflecting light. Manipulate everyday materials to discover the possibilities of chance results. Collect, organize and analyze data from racing frogs to playing PIG. Experience math adventures where “almost” is often close enough; can we apply logic here? Explore patterns and color through an enchanted garden. Add your own brilliant bug creations that change colors in the sun! Is their camouflage as effective as that in nature? Design a shadow city silhouette. Focus on a little light science – but certainly not science lite!

ECO Academy  (Completing Grades 3-8)
ECO-nomics + ECO-logy
Do you like to make money? Concerned about the environment? Get in on the ground floor of our pop-up store and tackle all facets of business! Battle the great capitalist challenge: the ethics of ecology, the ethics of business, and your own entrepreneurial goals. How much financial backing can you acquire for your startup through stock sales? Does your business model address the dynamics of the marketplace? Can you produce your product and the packaging for it in an environmentally friendly way? 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 & 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!
June 24-July 5

**Jr. Science Searchers** (Completing Kindergarten)

**From Dinosaurs to Tropical Rainforests**

Don your paleontologist hat for dinosaur explorations! Hatch a dinosaur egg, while considering carnivores, herbivores and omnivores. Ponder the continental drift. Construct fossils and explore body types and teeth structures of dinosaurs. How did they evolve in the different geologic periods? How did their bodies change from fish-like creatures to a tyrannosaurus rex? What made them all extinct? Then join the ‘safari’ as we locate tropical rainforests on a map. Why is the rainforest important? How do plants, as well as animals like monkeys, bats and frogs, survive? Make your own tropical spice blend. What other rainforest resources do we use every day? Lots of hands-on activities and projects.

**Ancient Academy** (Completing Grades 3-8)

**Medieval Times: From Peasant to Crown**

Can you barter your way from peasantry to royalty? Investigate the feudal system: Will you be granted a fiefdom or serve as a knight or lady-in-waiting at court? Make and play games of nobility: Nine Man Morris and Alquerque. Design your own heraldic banner and create medieval costumes. Who will be knighted at the knighting ceremony? ‘Live’ the legends of Beowulf and Arthur, the life and times of Hildegard of Bingen. Join the infamous sheep-stealing game and face the whims of Fortune’s Wheel! Wither thou goest, fair maiden or noble knight? To medieval times!

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

**Return to the Moon: Lunar Living & Leisure**

How will you design your mission to the moon? When you get there, the lander will support you for about three months. Can you build a habitat in that timeframe with limited fuel? Explore your environment: What sports could moon colonists enjoy in 1/6th gravity, and how would you have to change the sport? Examine (simulated) moon rocks; how KREEP-y are they? How can we work with other countries to test the physics of toys in space? Create your own rescue robot (using LEGO® robotic materials) to avoid craters. Use the scientific method to bust myths about space. Build and launch your own rocket.

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

**Return to the Moon: Outposts & Orbiting**

Join the GRC cislunar orbital outpost ‘mission’! How will you build an orbiting habitat? Consider power, propulsion, logistics, and other technical and mission capabilities. Find a lunar landing site for probe missions, and experiment with engineering and geological phenomena. Can we beat the SpaceX/Boeing companies or work with other countries to capture the flag in space? Experiment with robotic engineering using LEGO® Mindstorms® EV3 materials, then move your rovers according to mapped coordinates. Design, build and launch rockets.
July 8-19

**Jr. Science Searchers**  (Completing Kindergarten)

**From Ocean Depths to Outer Space**

Plunge into the mysteries of the ocean. Meet sea animals, large and small, friendly and dangerous. How do their babies live? Make edible aquariums. How is a coral reef like a giant apartment building? Clean up a mini oil spill and find out how we can protect the ocean. Then explore the sun, moon, planets and stars! Develop the surface of the moon; look at 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.

**Ancient Academy**  (Completing Grades 3-8)

**Medieval Times: From Castle to Village**

Learn the mysteries of a castle keep. Did your ancestor build the keep when he served in the stonemason guild? Join a guild yourself and experience the everyday life of a medieval artisan. Train as an apprentice and master your craft, from architect to armorer to tailor, scribe or actor. Your role as a peasant will have its rewards with a street fair! Celebrate with food, fanfare and frolic! Practice Gothic calligraphy. ‘Relive’ the Canterbury Tales or Everyman play, or tell your own tale of knights in shining armor.

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

**Beyond the Moon: Sailing into Space**

Equip your ‘cislunar outpost’ as a launch site to explore the planets, moons and space-time continuum. Can you use solar sails to propel your spacecraft? Construct scientific instruments to support your work. How do astronomers use the electromagnetic spectrum to explore outer space? Explore the phenomenon of two black holes that crashed into each other and merged, creating gravitational waves. Program your LEGO® robotic rover to assist in your experiments. Construct and launch your own rocket.

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

**Beyond the Moon: Science of Lunar Launching**

What are the scientific implications of building a launch site on the moon? Is it scientifically more viable to build the parts on earth and transport them? How will ion propulsion help? Once you’ve ‘launched’ from the moon, explore potential habitable conditions of other planets. How would space weather affect astronauts traveling to or living on distant planets? How can we recycle carbon dioxide to create energy on another planet? Design, build, launch and evaluate the performance of your own rocket, and use LEGO Mindstorms® EV3 materials to design robots for the ‘heavy lifting’ in your day-to-day work. Will you beat the Europa Clipper or the Mars 2020 Rover?

**Academy Americana**  (Completing Grades 1-3)

**Who (Was) Were...Early 20th Century Stars?**

From Amelia Earhart to women in WWII, from Marie Curie to Jackie Robinson, explore the many frontiers of the early 20th century! Build a plane like Earhart’s and compare her flights to those of Charles Lindbergh. Stake a claim and build a shack in Hooversville, then create your own hobo language. Design your own pennant to cheer your hometown teams in the 1944 World Series in St. Louis’ Sportsman’s Park. Challenge yourself at codes like the WWII “Code Girls.” Want more sugar than your WWII ration book allows? Can peaches! From walking and wagons during the Dust Bowl to high-tech planes and cars: Change IS the frontier!
ABOUT OUR TEACHERS

**Chuck Baker**, M.S., Middle School Math Teacher, Ferguson-Florissant School District, third year as Space Academy Instructor; first year as ECO Academy Instructor.

**Beverly Berla**, M.A., Gifted Teacher, former Executive Director of Gifted Resource Council, twenty-first year as Ancient Academy Instructor.


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

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

**Megan Kemper**, M.S., High School Science Teacher, Pattonville School District, third year as Space Academy Instructor.

**Art Koenig**, A.M., GRC’s “Renaissance Man”, twenty-first year as Ancient Academy Instructor.


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


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 10, 2019**.
Child's Name ____________________________________________________________________________ Grade __________

________ 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? _______________________________________________________
____________________________________________________________________________________________________________
____________________________________________________________________________________________________________
Please indicate which sessions and programs your child wishes to attend.

June 10-21       June 24-July 5       July 8-19

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

Name __________________________ Age _______ Birth Date _______ Sex _______
Completing Grade _____ First time applicant _____ Returning student _____ Years(s) attended _______

Parent Name __________________________ Address __________________________
Parent Name __________________________ Address __________________________

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

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

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.

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

Intelligent Friend: $100
- All of the above, plus
- $10 discount off two Learning Lab registrations

Sharp Sponsor: $150
- All of the above, plus
- $25 discount off a Summer Academy

Talented Patron: $250
- All of the above, plus
- Additional $25 discount off a Summer Academy ($50 total)
- 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: Home (____) _______

Brilliant Benefactor: $500
- All of the above, plus
- One FREE Learning Lab course or
- Learning Lab scholarship in your name at your request

Wise Philanthropist: $1,000
- All of the above, plus
- GRC logo lapel pin
- The undying gratitude of gifted children throughout the metropolitan area

IMAGINATIVE INSTITUTION: $100
- For schools and other not-for-profits
- My employer __________________________ will match my charitable donation. (company name)

Fees Enclosed: Deposit $_________. Tuition Balance $_________.
Extended Day Care _______. Extra T-shirt _______. Membership (optional) _______. Scholarship donation (optional) _______.

Questions? info@giftedresourcecouncil.org or call 314-962-5920

Please mail check to: Gifted Resource Council, 357 Marshall Ave., Suite 6, St. Louis, MO 63119-1827
**Why GRC?**
- Involved Teachers
- Engaging Curriculum
- Inquisitive Friends
- FUN!

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**Summer 2019 Academies**

**GiftedResourceCouncil**

[Application Enclosed]

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**Frequently Asked Questions...**

**Does my child have to be in the gifted program at school to be able to attend GRC?**
Definitely not! *All* bright and talented students enjoy our programs.

**Is the program all work and no play?**
NO! GRC is known for engaging children in “hands-on” activities and encouraging friendships. Physical activities that encourage teamwork and cooperation are a FUN part of *every* child’s day — *every* day!

**Where are you located?**
Wydown Middle School
6500 Wydown Blvd.
Clayton, MO 63105

**Do you offer Extended Day Care?**
Absolutely!
Before Care is 7:30 – 9:00 a.m.
After Care is 3:30 – 5:30 p.m.

**What do parents say?**
“*Our experience exceeded expectations. Teachers were wonderful and encouraging.*”

“I was tickled to see the deep friendships he formed!! He really felt like he belonged.”

**What do children say?**
“I’ve been going to GRC since I was in the first grade. It’s one of the best parts about summer. I feel like I fit in, I make good friends, and I learn new and interesting things every year.”

“I felt challenged and I like that.”