

Camp 5

MOLECULES AND YOU

Entering 8th graders

Dates: June 4 - 8
June 18 - 22
July 9 - 13

Embark on a week-long adventure to explore the molecules that are involved in everyday life.

- ◆ Perform hands-on experiments.
- ◆ Use state-of-the art research equipment.
- ◆ Learn how molecules play a role in everyday life.
- ◆ Use mathematics to collect and interpret data.
- ◆ Design your own experiments and present your results to others.
- ◆ Learn to make butter, insulators and a gold penny.
- ◆ Explore career opportunities in chemistry and biomedical sciences.
- ◆ Design and construct a rubber band car to learn how velocity relates to kinetic energy.
- ◆ Use liquid nitrogen to make ice cream — real cool!



UAB THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM

Camp 6

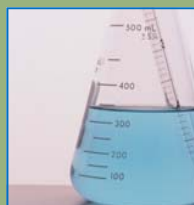
WE'VE GOT SOLUTIONS!

Entering 8th graders

Dates: June 11 - 15
June 25 - 29
July 16 - 20

Spend a week exploring the wonders and magic of chemistry.

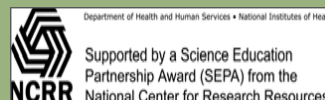
- ◆ Have pHun with acids and bases.
- ◆ Create edible polymers, like the Edible water bottle.
- ◆ Enjoy hands-on fun with chemical reactions, using the scientific method.
- ◆ Participate in lab demonstrations that you will learn to explain.
- ◆ Solubility, solutes, solutions, saturated solutions, super-saturated solutions . . . learn about it!
- ◆ Conduct a forensics investigation using chromatography.



**Application
Deadline
April 13, 2018**

CORD emPowering rising stars

- ◆ Camp hours are 8:30 a.m. — 4:00 p.m. daily. Camp Counselors will be on duty beginning at 7:30 a.m. in the lobby of CHSB 19 (933-19th Street South) for early drop-off.
- ◆ All children are required to bring a lunch daily except for Friday Pizza Day.
- ◆ Acceptance into CORD Camps will be based on available space and regional distribution of students.
- ◆ Each Camp is designed for students entering a specific grade level. There are No Exceptions!
- ◆ Children may attend each Camp in their grade level.
- ◆ Tuition for first week-long Camp is \$175.00. Second grade-level Camp tuition is \$75.
- ◆ **A non-refundable deposit of \$50 is required by ALL with application and will be applied toward total cost of tuition.**
- ◆ **No tuition refunds.**
- ◆ NO Credit Cards Accepted.
- ◆ All applicants will receive a Notification of Acceptance.
- ◆ Camp Guidelines and a Health and Photo Release Form must be completed prior to attending Camp.
- ◆ All forms and tuition are required prior to participation.
- ◆ Behavioral issues may result in dismissal from Camp.



2018 SUMMER SCIENCE CAMP



SIX EXCITING CAMPS FOR MIDDLE SCHOOL STUDENTS

UAB Center for Community OutReach Development
5th Floor CHSB 19 * 933 19th Street South
Birmingham, AL 35294-2041
PH: (205) 934-5171 Fax: (205) 934-5158
CORD Email: CCORD@UAB.EDU

Camp 1

OVER THE HILLS AND THROUGH THE VALES

Entering 6th graders

Dates: June 4 - 8
June 18 - 22
July 9 - 13

An outside Camp that will explore a forest to learn how changes in its plants and animals may affect your health.

- ◆ Collect and analyze data about the forest, its plants, reptiles, amphibians, and mammals.
- ◆ Use computers to mathematically analyze the data you collect and graphically present it to your fellow campers.
- ◆ Learn about pollution tolerance, dominance and species diversity.
- ◆ Discover the processes of adaptation and natural selection that aid survival.



Camp 2

ENVIRONMENTAL ENGINEERING AND YOUR HEALTH

Entering 6th graders

Dates: June 11 - 15
June 25 - 29
July 16 - 20

Be an environmental engineer for a week in this outdoor Camp.

- ◆ Use high-tech instruments to monitor air and water quality, temperature and humidity changes.
- ◆ Learn to analyze your data and develop a presentation to communicate your results.
- ◆ Gain insight into the relationship between the environment and human health.
- ◆ Understand environmental conditions that relate to your health.



Camp 3

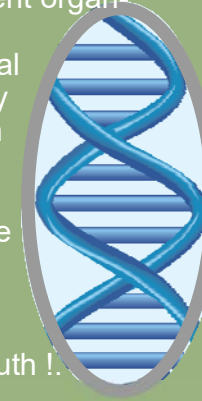
DIVING INTO THE GENE POOL

Entering 7th graders

Dates: June 4 - 8
June 18 - 22
July 9 - 13

Dive into the gene pool and investigate the role that DNA plays in every living creature.

- ◆ Discover what makes up DNA and learn its secret code.
- ◆ Isolate DNA from different organisms, including you !.
- ◆ Use modern professional - level molecular Biology techniques and sharpen your computer skills.
- ◆ Conduct a forensic Investigations and solve Mysteries.
- ◆ By week's end, you will be well on your way to being a CSI-type sleuth !.



Camp 4

PHYSFACTOR

Entering 7th graders

Dates: June 11 - 15
June 25 - 29
July 16 - 20

Do you dream of a career in the medical field? Does solving problems and designing solutions thrill you? Come put your body and brain to the test! See if you can meet the challenge in which you become the scientist and the subject.

- ◆ Solve a series of medical mysteries, diagnose patients, and recommend treatments.
- ◆ Discover the effects of exercise on your cardiovascular and pulmonary systems.
- ◆ Design your own experiments, collect data, and analyze results.
- ◆ Work as a biomedical engineer to block a viral epidemic and stop a blood clot.
- ◆ Learn about how your amazing body functions and how modern medicine and technology are working to save and improve lives.
- ◆ By the end of the week you'll have experienced what it is like to be a doctor, lab technician, biomedical engineer, public health nurse, physiologist, and more !.



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