Edgewood College Summer Camps 2019

Visit: https://www.edgewood.edu/summertime for registration

GRADES 1-3

CRAFTY SCIENCE

This is a class for kids who love science *and* art! Students will use both sides of their brains to learn that science is an art and discover how the two connect in nature.

SCIENCE BEHIND THE STORIES

Using favorite children's books, we will ask questions and conduct experiments to answer great science questions that occur within the stories.

FOSSIL FRENZY

Do you love fossils and learning about dinosaurs? This camp will focus on what we can learn from the clues behind left behind by things that lived a long, long time ago.

ALL ABOUT OUR BODIES

Are you curious to know more about the human body and how it works? In this camp, we will explore and investigate how our heart, lungs, bones and much more work, through designed experiments.

OUR WILD CRAZY WORLD

In this camp, we will learn what it means to "be alive," the building block of life, DNA, and examine how humans are similar, and vastly different, from our wild animal counterparts.

THE CHEMISTRY BEHIND THE CRAFT

If you have a curious and creative mind, this camp will allow you to combine their inner sciencist and their artistic side to learn and experiment with different materials. Discover the chemistry behind the art.

TINKER LINKER

Through interactive games and activities, campers will learn the fundamentals of computer coding and the patterns of thinking that lead to creative and innovative creations.

GRADES 4-6

ENVIRONMENTAL EXPLORERS

Join us as we learn about the unique ecosystem that surrounds Lake Wingra. Throughout this adventure-filled week, we will learn about the wildlife and aquatic life in the area.

ASTRONOMY & ROCKET SCIENCE

Explore and learn about the materials needed to build a rocket and how we balance the weight of the rocket with the fuel supply, and build your own!

ENVIRONMENTAL ENGINEERING

Working as Environmental Engineers we will examine real-world problems and environmental disasters then devise ways to prevent, reduce, and clean up the mess.

EARTH EXPLORERS

We will be exploring the Earth beneath our feet, and determine why the Earth's plates move and the cause and effects of earthquakes and volcanoes. Activities will include making different kinds of volcanoes, designing earthquake-proof structures and experimenting with molten rock.

BUILD AN AQUARIUM: AQUATIC ECOLOGY

In this camp you will learn everything you need to know to set up and maintain your own freshwater aquarium. By the end of the week, you will know much more about fish, the water they live in, and how to take care of both.

WATER CHEMISTRY

Water is amazing and, when studied as a chemist, reveals its hidden secrets. The Madison lakes will be our laboratory as we explore how water sustain plants, invertebrates, fish, fowl, and aquatic mammals.

IMAGINATION AND ENGINEERING: RUBE GOLDBERG

In this camp, we will learn how to incorporate our creativity into science and engineering through studying simple machines and designing our own contraptions - just like Rube Golberg did!

MAKER CHALLENGES

Work together to plan, design and build prototypes to compete in "maker challenges" and explore simple machines, Newton's laws of motion, thermal energy and properties of materials, density, solubility.

GRADES 7-9

WATER CHEMISTRY

Explore water's amazing properties. With our lakes as our laboratory, we can discover how they sustain plants, invertebrates, fish, fowl, and aquatic mammals. We will test and measure dissolved oxygen levels, water pH, and other factors that make lakes suitable for life.

LIGHT FANTASTIC

We will learn about the story of light and explore for ourselves how light behaves and how we can control its path.

BRAIN BUILDERS FOR STRATEGIC THINKING

Computer programing, science and engineering all require a kind of thinking that forces you to look ten steps ahead of where you are now. Come for a week of games that help you build those skills!

GEMS: GIRLS IN ENGINEERING, MATH & SCIENCE

This week-long camp is geared towards creating opportunities for girls to learn and grow as they discover the exciting world of math, engineering, and technology.

TINKERING TRAINEES

Take chances, make mistakes, and get ready to learn about discovery and experimentation through the process of invention. This week-long camp is geared towards kick-starting an independent sense of creative problem-solving.

ADVANCED MAKER CHALLENGES

Work together to plan, design and build prototypes to compete in "maker challenges" and explore simple machines, Newton's laws of motion, thermal energy and properties of materials, density, solubility.

UNDERSTANDING AND ENJOYING LAKE LIFE

Become a limnologist for a week and look at the ecology of Lake Wingra, studying the biological, chemical, and physical features of the lake.

IRON CHEF MADISON: BIOCHEMISTRY EDITION

Join us as we uncover the hidden biomolecular secrets behind making some of our favorite foods including soda, bread, ice cream, rock candy, and more.