



Edgewood College

2021 Edgewood College Summer Science Camps & Workshops

High School Workshops (grades 10-13)

- **Thinking Like a Surgeon**
Explore what it's like to be a surgeon! Use real body parts to perform dissection and learn suturing, as well as utilize our virtual human cadaver!
- **Gravitational Waves**
We'll take a deep dive into the world of astrophysics and study the newest subfield of Gravitational Wave Physics!
- **Data Analytics & Visualization in Healthcare Using Python (*This workshop is Virtual*)**
Learn to use Python to gain literacy in the field of healthcare using data-driven, strategic imperatives that affect all facets of healthcare.

Please visit our webpage here: <https://www.edgewood.edu/outreach/science/summer-camps> to learn more or to register for these outstanding summer programs specifically designed for our high school students.

Summer Camps for Grades 1 - 9

Grades 1 – 3

- **Who Lives In My Lake?** Explore the wonder of Lake Wingra.
- **SuperHero Science:** Use invisible ink and other items to thwart the enemies!
- **Zoology – It's truly a Zoo out there:** Explore what it means to be an animal.
- **WeDo.** Who do? We all do WeDo! Lego lovers – use basic code to bring creations to life!
- **Computer Science – Unplugged:** Work with robots, solve tasks, play games & more!

Grades 4 – 6

- **Makers Challengers 1:** Build prototypes and compete in maker challenges.
- **Environmental Exploring – Picture you in a canoe:** Discover the unique ecosystem of Lake Wingra.
- **Above Average Aquariums:** Learn about aquatic life, keeping fish healthy & more!
- **Rube Goldberg (Imagination & Engineering):** Building contraptions to solve everyday life tasks (in a fun way)!
- **Makers Challengers 2:** A continuation of Makers 1 – further exploration!
- **Robots – Let's build some:** Build a robot from the ground up!

Grades 7 – 9

- **Bacterial Transformations:** Use all sorts of lab equipment to perform a transformation & analyze results
- **Cooking Chemistry:** Learn why baking and cooking rely so heavily on chemistry!
- **Astronomy: (*This camp is virtual*)** Explore the night sky, eclipses and build your own telescope!
- **Understanding Extreme Weather:** Be a meteorologist for this week of exploration of the Earth's atmosphere!
- **Web Design is Fun!** Hands on introduction to HTML5, CSS3 & programming concepts using JavaScript.

Please visit our webpage here: <https://www.edgewood.edu/outreach/science/summer-camps> to learn more & register for our fantastically fun and educational science camps!

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