

# Guts, Goo, and Gross Science!

Use your skills as a creepy chemist to make your own radically gross reactions with batteries, coins, and more! Compare fingerprints and discover the mysteries of DNA as you fine-tune your secret agent skills. Make "brain goo" and check out your bones as you travel the organ trail. Explore the icky inside of your body and learn about the organ systems and the cells that compose them with an introduction to the circulatory, respiratory, digestive, skeletal, and muscular systems. Discover cool and yucky chemical reactions and how to solve a crime in this hands-on science adventure! **(Ages 6 - 11)**

These are only a sample of some of the activities that we will be doing each day. The topics will not necessarily follow this order. However, each of these topics will be included at some point in the camp.

**Cell City** - Take a fantastically foul trip into cell city. Learn about cells and the different parts within them. You will compare the parts of a cell to a real city as you investigate its different functions. Build your own slimy take home model cell out of unique materials.

**The Organ Trail** - Do you know the recipe for a healthy body? You will after you journey down the Mad Science Organ Trail. Come to camp and meet "Tall Paul"! Paul is a torso model that can have his organs removed and replaced. Paul's brain, bones, lungs, heart, and digestion system will all be investigated. Be a real Mad Scientist as you make a gutsy model of yourself to take home.



**Chemical Counting** - Get ready for a day in the Mad Science Laboratory! Do shocking experiments with electrochemical reactions, as you electroplate a penny and a nickel. Learn how chemical elements help you to create chemical compounds. Put your new chemistry know-how to work as you make your own brain goo! Make edible models of yucky molecules.

**Radical Reactions** - Ready, set, rotten reactions! Learn with hands-on reactions that matter is never created or destroyed. Turn an old potato into a battery. Make a squishy rainbow and a chemical battery in a beaker. Make your own invisible ink.

**At the Scene of the Crime** - Team up with fellow campers to solve the "Great Cookie Caper" crime. Arrive at camp to find a real crime scene Team up with fellow campers to solve the "Great Ice Cream Caper" crime. Arrive at camp to find a real crime scene surrounded by crime scene tape. Walk the grid and collect evidence to solve the rotten crime. All of your observation skills will be needed as you use your new magnifying glasses and notebooks to record your evidence. Use your forensic skills to solve the crime and make your own snack.