

SCIENCE OF THE BODY

Wednesdays, September 22-December 15 (no class Nov 24; 12 weeks)

11:00am-12:15pm

Ages 6-8

Students learn about the tools doctors use, study how our bodies work, use microscopes to see what different cells look like, and investigate real hearts, kidneys and brains. All lab costs are included in registration fee.

Instructor: Tina Oresteen, BSc

Location: Discover Science Center Peachtree City

Course fee: \$180 OR \$20/lab

Early registration (10% off) through August 6

10% sibling discount beginning August 7

Register for full semester or individual labs.

LAB SCHEDULE:

Dentistry and Teeth – Wednesday, September 22

This week, we learn about the makeup of our teeth and how to care for them. We experiment with different chemicals and how they affect our teeth.

First Aid – Wednesday, September 29

Students review the contents of a first aid kit, learn how to treat and prevent minor injuries and practice basic first aid skills.

Microscopy and Cells – Wednesday, October 6

This week, we learn how to properly use a microscope, study basic cell structure, and compare the cells of different tissues throughout the body.

Musculoskeletal System – Wednesday, October 13

In lab today, we learn about bones and muscles by examining x-rays, learning the names of bones in our skeleton, three types of muscle cells and where they are located, and dissect chicken wings to investigate how tendons connect skeletal muscle to bone.

Nervous System – Wednesday, October 20

Students have the chance to investigate a mammalian brain to learn the parts of the nervous system. We also learn about our senses and what part of the brain is responsible for interpreting the world around us.

Circulatory System – Wednesday, October 27

In this lab, we study what makes up our blood, test synthetic blood to see how blood types are characterized and study how blood moves through the body as they study a real mammalian heart.

Respiratory System – Wednesday, November 3

Learn how and why we breathe, study the organs that make up our respiratory system, and create a model of our trachea, lungs and diaphragm.

Digestive System – Wednesday, November 10

In this fun, gross lab, we discuss the function of the digestive system, learn the organs involved in the digestion process, and make a model of our digestive system to see how it works.

Urinary System – Wednesday, November 17

Students investigate a mammalian kidney in this lab to learn how the body removes excess water and liquid waste through the urinary system.

Immune System and Germs – Wednesday, December 1

We study germs and the immune system in lab this week. Students test their hand-washing skills, investigate bacteria under a microscope, conduct a bacterial growth study, and learn how our body fights off germs.

Genetics and DNA – Wednesday, December 8

This week we investigate our genetic code. Students learn what DNA is and where it is located in a cell, build a model of DNA and extract DNA from strawberries.

Surgery – Wednesday, December 15

Students test their skills at surgically removing foreign objects embedded in their “patients” without scarring them.

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