

MINI-MED SCHOOL

Mondays, January 27-April 27 (no class Feb 17 or Apr 6; 12 weeks)

9:30am-10:45am

Ages 8-10

Students learn about the tools doctors use, study how our bodies work, use microscopes to see what difference cells look like, and investigate real hearts, kidneys and brains. All lab costs are included in registration fee. Course enrollment is limited to 12 students.

Instructor: Tonya Shearer, PhD

Location: Science Center (suite 5)

Course fee: \$220 OR \$20/lab

10% off early registration discount through December 15

10% off sibling discount available beginning December 16

LAB SCHEDULE:

Microscopy and Cells – Monday, January 27

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

Skeletal System – Monday, February 3

We study bones this week by examining x-rays, and learning the names of some bones in our skeleton.

Muscular System – Monday, February 10

In lab today, we learn about 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 – Monday, February 24

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.

Blood and Blood Types – Monday, March 2

In this lab, we study what makes up our blood, look at blood cells under a microscope, and test synthetic blood to see how blood types are characterized.

Circulatory System – Monday, March 9

Students investigate how blood moves through the body as they study a real mammalian heart, and look at heart tissue and blood vessels under a microscope.

Respiratory System – Monday, March 16

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 – Monday, March 23

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 – Monday, March 30



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 – Monday, April 13

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 – Monday, April 20

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 – Monday, April 27

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

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