



MINI-MED SCHOOL

Tuesdays, September 10-December 10 (no class October 15, or November 5 or 26; 11 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. Course enrollment is limited to 12 students.

Instructor: Katie Sheffield, BSc

Location: Science Center (suite 5)

Course fee: \$200 OR \$20/lab

10% off early registration discount through July 31

10% off sibling discount available beginning August 1

LAB SCHEDULE:

Microscopy and Cells – Tuesday, September 10

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 – Tuesday, September 17

We study bones and muscles this week by examining x-rays, learning the names of some bones in our skeleton, and dissecting chicken wings to investigate how tendons connect muscle to bone.

Nervous System – Tuesday, September 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 – Tuesday, October 1

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 – Tuesday, October 8

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 – Tuesday, October 22

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 – Tuesday, October 29

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 – Tuesday, November 12

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 – Tuesday, November 19

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 – Tuesday, December 3

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.

Jello Surgery – Tuesday, December 10

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

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