

HANDS-ON LABS

Experiences that are hands-on and brains-on.

A hands-on lab will bring out the inner-scientist in your students. Students will perform experiments in state-of-the-art chemistry or biology lab spaces. Labs are designed to give students extensive experience with scientific tools and topics.

Cost: *Varies, see lab description (10 student minimum)*

Length: *Varies, see lab description*

Note: *Labs sold as add-on programs only. Exhibit purchase required.*

Grades 6 – 8

Name that Part!

What better way to learn about the human body or organ system than by having the real thing in the palm of your hand? Your students can experience a hands-on organ extravaganza with the organ of your choosing. You will gasp for air when you compare a smoker's lung to that of a non-smoker. Go with the flow of blood through the heart. Put your thinking cap on when looking at the brain. Wonder what you will see next after dissecting an eye. One organ covered per 60-minute lab. Book multiple labs to cover the body from head-to-toe!

Cost: *\$5.00 per student*

Length: *60 minutes*

Grades 6 – 12

TechQuest

Take your students on a technology-driven scavenger hunt! Students use handheld wireless devices to explore our exhibits and discover answers to some of the most intriguing questions our universe has to offer. TechQuest offers the opportunity to correlate group responses and download classroom data for further investigation back at school.

Cost: *\$5.00 per student*

Length: *90 minutes*

Living and Working in Space

Do your students have the right stuff? From the Hubble-servicing spacewalks to the extended stays aboard the International Space Station, this lab explores the variety of mental and physical challenges facing humans in microgravity environments. Each program will conclude with a live video connection to Space Center Houston. Despite our ever-expanding universe, this lab has limited availability.

[SUPER-SCIENCE IT] View space as never seen before in the IMAX Theatre when you add *Hubble*.

Cost: *\$5.00 per student*

Length: *90 minutes*

Design Your Own Lab!

NEW! Do you have a science topic you want us to teach but don't see it listed here? Is an old favorite missing from the list? You can custom design your own lab experience. Our two state-of-the-art lab spaces are fully outfitted with all the gear necessary to give your students the experience of working like a real scientist in a professional laboratory. Topics could include chemistry, dissections, biological systems and microbiology, plus many more.

Cost: *\$7.00 per student*

Length: *60-90 minutes*

Note: *Reservation required a minimum of six weeks before date of program.*

Grades 9 – 12

DNA Construction Zone

Learn the processes of transcription and translation by building models of the mRNA and polypeptide coded within a given strand of DNA.

Cost: *\$5.00 per student*

Length: *90 minutes*

It's Elemental, My Dear Chemist

Having trouble understanding why the periodic table is so important? Let us help you break down a chemist's most valuable reference tool as we examine key elements experienced on a day-to-day basis.

Cost: *\$5.00 per student*

Length: *90 minutes*

Whose DNA was Left Behind?

Your students will feel like CSI detectives as they use forensic techniques like DNA analysis, micropipetting and gel electrophoresis to solve the mystery from a hypothetical crime scene!

Cost: *\$5.00 per student*

Length: *90 minutes*