



HealthExplore™ connects **INTERACTIVE**, fun science education with health careers exploration. This new after-school program engages small groups of middle school students to discover more about health care and science. With fun-filled **DEMONSTRATIONS** and hands-on activities, students will learn about their gross, cool and interesting bodies and meet different health care workers who will show the students what they do, where they work and the equipment they use.

This program will **EXCITE** students about science and health care by immersing them in fast-paced, hands-on learning, giving them a competitive edge before going into high school. Each month, students will explore new topics related to **HEALTH** and **SCIENCE**, such as "Body Basics," "Build Your Bones," "Tobacco Cessation," "DNA," and "UV Exposure." Students will have the opportunity to create a different project to bring home each month, like an "organ outfit," some "tobacco slime," or a UV detecting necklace.

The HealthExplore™ after school club combines an hour of Mad Science interactive learning with one hour of health career exploration. These two-hour programs will be held after school at least six times during the school year at a time, date and location agreed upon by the local health care and education partner.

Sample Topics

Mission Nutrition

This workshop introduces students to the basics of nutrition, including the role of carbohydrates, proteins and fats. They will gain an understanding of how food provides energy for the body and how exercise plays an important role in energy levels. This will stimulate enthusiasm for personal health and encourage them to have a healthy attitude toward nutrition and fitness. Each student will take home a Step-o-meter to reinforce keeping up a healthy lifestyle.

DNA

Molecular genetics is the foundation of numerous cutting edge medical, agricultural research and others. It is the basis for many technologies that have advanced mankind. This program will give the students a peek into the exciting world of chromosomal DNA in living cells. They will learn about the molecular structure and properties of DNA by building their own DNA model. They will also learn its biological functions - particularly DNA replication and translation. The learning and fun is capped off with a hands-on activity on isolation of wheat germ DNA.

Be Tobacco Free

This workshop introduces the students to how smoking affects the human respiratory and circulatory functions. Using hands-on activities and demonstrations, students will discover the differences between a healthy lung and a lung with emphysema. The relationship between smoking and the many types of cancer associated with it will also be lively demonstrated. This one will surely help them not just learn, but also make better choices for healthy living!

Cost/Registration

\$144 per school year, which includes the costs of meeting materials, take-home goodies and instruction.

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Partners

Mad Science is the world's leading fun science provider. Its mission is to spark the imagination of children everywhere with exciting, live, interactive programs that will instill a clear understanding of what science is really about, and how it affects the world around us.

The Oklahoma Health Care Workforce Center, is a private, non-profit organization whose purpose is to alleviate Oklahoma's health care worker shortages. One of the Center's primary goals is to increase the level of awareness among Oklahoma young people of the many opportunities available in a health career.

The goal of HealthExplore™ is to entice Oklahoma middle school students to explore the variety of career paths available in health care in a fun, interactive and edu-taining environment. For more information about careers in health care, go to www.okhealthcareers.com, or e-mail info@ohcwc.com.

Registration Information

- Registration due one week prior to the start of HealthExplore™.
- Full payment is due by the first day of HealthExplore™, unless prior arrangements have been made.
- To register, please call:
Mad Science of Central Oklahoma
(405) 285-9643
- Return payment with attached registration form to:
Mad Science of Central Oklahoma
344 S. Santa Fe
Edmond, OK 73003





Registration Form

School: _____ Grade: _____

Teacher: _____

Student's Name: _____ Date of Birth: ___/___/___

Parents/Guardian(s): _____

Parent Email: _____

Home Phone: (____)____-____ Work Phone: (____)____-____ Cell Phone: (____)____-____

Address: _____

Health Concerns: _____

() My child will be picked up after HealthExplore™ by: _____

_____ \$144.00 included with registration

_____ Will send payment on first day of HealthExplore™

_____ Will call Mad Science to arrange payment plan, (405) 285-9643

Occasionally, HealthExplore™ and Mad Science may take photographs or videos of the students. By signing this form you are enrolling your student in HealthExplore™ and are giving permission to use any photos we may take for use in ads or other promotional materials.

NOTE: Your student must be picked up within 20 minutes of the end of HealthExplore™.

Parent's Signature: _____ Date: ___/___/___