

2011 - 2012 Education Guide

Education Programs

The Museum offers hands-on programs and activities that can be customized to grade level and curriculum. All programs align with the New Mexico Education Standards and feature the topics of energy, forces, nuclear radiation and the history of nuclear science. Programs at the Museum may be enhanced with self-guided or docent-guided tours.

Book a Program

To reserve your class trip or program, **call** (505) 245-2137, extension 103, or **go online**, www.nuclearmuseum.org, click on "Teachers & Parents," then "Reserve Your Class Trip."



Taste of Science (Grades Pre K-5)

Participate in demonstrations of atmospheric pressure, forces, electricity, magnetism, radiation and phases of matter. Students will sample different scientific instruments, which may include a vacuum pump, a Van de Graff generator, Geiger counters and others.

Encounter Energy! (Grades K-5)

What is energy? Examine the sources and uses of energy including heat, light, wind and electricity. Learn how energy reacts with matter and how it changes from one form to another. Build and test electric circuits and more!

Fly Me to the Moon (Grades K-5)

Students will model the movement of the planets, see a solar flare through a telescope, or design a rocket that will reach amazing distances. Learning about constellations includes hearing the stories depicted in the night sky.

Matter Matters! (Grades K-8)

Matter consists of solids, liquids and gases; compare and learn more about the properties of matter. Get introduced to nano. Nano = one billionth. That's tiny! This technology means that your shirt may never be ketchup-stained again. Learn more about this new field and how it is changing our lives today.

Radiation: Friend or Foe? (Grades 6-8 or 9-12)

Use the Museum Geiger counters to measure the radioactivity of common household substances and radioactive isotopes. Replicate half-life experiments used to date fossils, learn how nuclear images are created, and measure your own natural radiation dose during a year.

New Mexico History & World War II (Grades 7-12)

Secrets and Spies: Decipher a secret code while you learn the story of the Russian spies who stole secrets from Los Alamos in the 1940's. Use primary source material and view the museum exhibits showing the role of secrecy, espionage, and science in World War II history.

Decision to Drop: Weigh the pros and cons of dropping Fat Man and Little Boy over Japan through the use of primary sources and the viewpoints of historical figures. Students will engage in role-playing activities designed to stimulate critical thinking skills.

Museum Exhibits and Tours

Bring your students to the Museum and discover the Museum through a docent-guided tour or accompany your students on a self-guided tour with the Museum worksheet guide.

Tours include: Manhattan Project, WWII, the Cold War, Uranium Mining, Nuclear Power, Radiation, and Nuclear Medicine.

PROGRAM PRICING

Self-guided Tour	\$5 per student
Docent-guided Tour <i>or</i> Museum Program	\$6 per student
Docent-guided Tour <i>and</i> Museum Program	\$7 per student



601 Eubank Blvd SE
Albuquerque, NM 87123

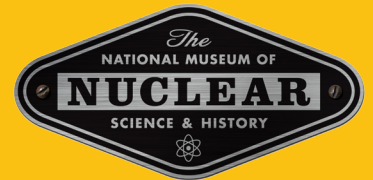
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www.nuclearmuseum.org



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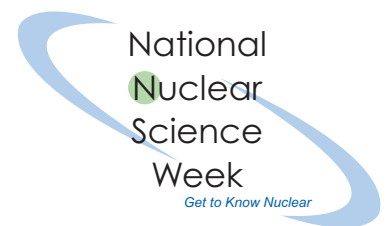
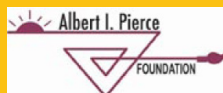
www.nuclearmuseum.org/events



REACTIONS WELCOME.

Check out our calendar of events throughout the year to learn about teacher workshops; read all about our winter, spring, and summer “Science is Everywhere” camps.

Sponsored by:



January 23-27, 2012

Visit
www.nuclearscienceweek.org
to learn more about
free fieldtrips!