



2006-2007

Teacher Resource Catalog

The Age of Super Giants Teacher's Guide. 2004. 24 pages. To be used in conjunction with a visit to the Age of Super Giants exhibit hall at the Museum, presenting major themes in Earth Science and Life Science Standards specifically related to grades 3 and 6 (and adaptable to other grade levels). The pre- and post-visit activities can also be part of a free-standing unit about the Jurassic Period and dinosaurs in New Mexico. Cost: FREE!

Albuquerque's Geoscape. 2004. Large-format full-color poster. This unique poster focuses on the regional landscape around Albuquerque and presents basic and easy-to-understand information about geology. The poster consists of a central satellite image of the Albuquerque region surrounded by geological topic panels. Poster content is aligned with state and national science standards at the middle-school level and can be modified by teachers of grades K-12. All information that a teacher might need in order to teach a thematic unit on major geological topics is included in the poster and linked to the local landscape. An accompanying web site includes additional information, suggested activities, and field trips. Cost: \$10.

Arid Lands, Sacred Waters/Tierras áridas, aguas sagradas. (NMMNHS Bilingual Education Series Volume 1). 1992. 51 pages. This bilingual English/Spanish curriculum explores the importance of water as a precious and non-renewable resource in the southwest. Includes background information, 13 hands-on activities/experiments for grades 3-12, glossary, bibliography, student pages, and teacher pages. Cost: FREE!

The Bosque Education Guide. 2003. 634 pages. A resource book of background information, activities, curriculum suggestions, and references to help K-12 teachers teach about their local cottonwood forests. The Guide has field trip activities as well as those for the classroom or school yard. Topics include the natural history of the bosque, geology of the Rio Grande valley, surface and groundwater, the demands on the river's water budget and human influence, mapping activities, webquests, and service learning ideas. Correlated to New Mexico standards. A joint project of U.S. Fish and Wildlife Service's Bosque Initiative Group, New Mexico Museum of Natural History and Science and the Rio Grande Nature Center. Cost: \$35. Selected activities available on-line at <http://museums.state.nm.us/nmmnh/BEG/beghome.htm>.



Earthshaker. 2005. DVD. 56 minutes. In 1979, two hikers in the Ojito Wilderness Area northwest of Albuquerque made an earthshaking discovery — four huge, largely intact fossilized tailbones from some very giant animal. From the thrill of discovery to the grand unveiling in the Age of Super Giants exhibit hall at the Museum, this documentary tells the fantastic story of *Seismosaurus*, the world's longest dinosaur. Cost: \$24.99

The **Ecology Education Program** has a collection of equipment and kits that could be used by classroom teachers who are experienced in ecology data collection and would like to incorporate an element of field work into their classes. We have both aquatic and terrestrial sampling equipment including water chemistry kits, nets, spreader boards, GPS units, compasses, clinometers, and insect sampling equipment. Contact Linda Fey at 505-841-2849 or linda.fey@state.nm.us for more information. Cost: \$20 for kits containing non-consumable materials and \$40 for kits that contain consumables.



Ecosystems Everywhere: New Mexico Ecosystems Curriculum. 2005. CD. This CD will make ecology come alive for your students with hands-on activities based on local ecosystems. All our curricula and programs are standards-linked, multi-disciplinary, and New Mexico-focused. The CD contains two ecology curricula (with a total of 14 activities). Teacher-tested lessons help your fifth grade students learn ecology in fun ways. Also included are Spanish translations of student pages, an English/Spanish ecology glossary and helpful information about planning field trips. Cost: FREE!

Available on CD or at http://museums.state.nm.us/nmmnh/edu_snmhcurriculum.html.

Borrow materials from the **Education Division Collections!** We have lots of cool stuff like fossils, rocks, minerals, and biological specimens. In addition, loaner kits of fossils, minerals, skeletal materials, and marine organisms are available. Materials are only available by pick-up at the Museum. Contact Mike Sanchez, 505-841-2853 or michael.sanchez1@state.nm.us. Cost: FREE!

Large-Format Film Teacher Guides.

Each film shown in the Lockheed Martin Extreme Screen DynaTheater is accompanied by an illustrated teacher's guide with hands-on activities and background information. Most are written for grades 5-8, but the activities can be adapted to higher or lower grade levels. Guides available are: **Everest**, **Lost Worlds**, **The Living Sea**, and **Journey into Amazing Caves**. Limited quantities available. Cost: FREE!

Making Tracks on Mars: Teacher Resource and Activity Guide. 2006. CD. This curriculum is designed to use students' interest in Mars as a "hook" to teach a wide variety of science and non-science topics. It includes content information, information about previous and current missions (especially the ongoing Mars Exploration Rover mission), and 20 tested, hands-on activities for grades 3-10. Each activity includes relevant national and New Mexico standards. An appendix lists web sites, other educational products, and New Mexico field trip locales. The CD also includes an annotated Mars Exploration Rover Mission image file and an annotated PowerPoint presentation about Mars and the Mars Exploration Rover mission. Developed by the Museum and the LodeStar Astronomy Center. Cost: FREE!

New Mexico: The Volcano State. 2003. VHS or DVD. 14 minutes. Explore the volcanoes of the National Parks and Monuments in the Land of Enchantment. This video, produced in association with the U.S. Park Service, serves as an introduction to a range of volcano types and volcanic landscapes that occur in New Mexico. Examples profiled include Capulin Volcano National Monument, El Malpais, Bandelier National Monument, Petroglyph National Monument, and the Gila Cliff Dwellings. Cost: VHS \$17.99, DVD \$29.99.

Proyecto Futuro Earth and Space Science Bilingual Curriculum. 1997. 301 pages. This curriculum manual contains more than forty hands-on activities with student handouts and activity guides in both English and Spanish. Designed with a focus on New Mexico earth science for students and teachers in grades K-8 and linked to national and New Mexico standards. Topics covered include water, meteorology, rocks and minerals, time and fossils, plate tectonics, astronomy, maps, and models.
Cost: \$35.

Proyecto Futuro Life Science Bilingual Curriculum.

2002. 480 pages. This curriculum manual contains more than fifty hands-on activities with student handouts and activity guides in both English and Spanish. Developed specifically for New Mexico students and teachers in grades K-8, the curriculum manual is linked to both national and New Mexico standards (2003). Topics include fungi, plants, invertebrates, vertebrates, human body, and ecology. Cost: \$35.



The Río Grande Bosque Workbook/Manual del bosque del Río Grande. 1995. 135 pages. Developed in collaboration with the students and teachers of Reginald F. Chavez Elementary School, this bilingual workbook provides hands-on activities to explore the bosque. This workbook is for reading, writing in, drawing in, taking on field trips, talking about, and coloring! Cost: FREE!

TimeTracks: A Journey through the Natural World. 2001. 64 pages An exploration of New Mexico through geologic time. Each section describes the environment, fauna, and flora of our region from Earth's very beginnings to New Mexico today. Written in an easy-to-read format with beautiful photographs and illustrations, this book will take you on a journey through time and introduce you to the interwoven fabric of geological and biological processes and patterns. Linked to the permanent exhibits of the New Mexico Museum of Natural History and Science, and written by Museum curators and educators. Cost: \$4.95.



NEW MEXICO DEPARTMENT OF
CULTURAL AFFAIRS

The New Mexico Museum of Natural History and Science
is a Division of the Department of Cultural Affairs, State of New Mexico.