



Kansas
Science and
Mathematics
Teacher
Resource Manual

The Fairmount Center for Science and Mathematics Education at Wichita State University has compiled a current resource guide for science and math teachers of Kansas. The manual includes local institution information, such as addresses, contact persons, outreach materials, and available field trips.

You can obtain this manual online at www.webs.wichita.edu/facsme .

If you find any other institutions of interest, please contact us at (316) 978-6503 or amy.strong@wichita.edu .

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Big Well

315 S. Sycamore
Greensburg, KS 67054
(620)723-2261
1-800-207-7369
www.bigwell.org

Contact person: Rick Stephenson

Email: bigwell@midway.net

Available outreach materials: Educational packets with a video (upon request).

Field trip information: School groups welcome. A hands-on experience is provided as you take a tour down the well and view the world's largest pallasite meteorite.

Cost: Adults \$2.00
Kids under 13 \$1.50
(price includes information packets, a guided tour, and snacks)

Botanica-The Wichita Gardens

701 Amidon
Wichita, KS 67203
(316)264-0448
www.botanica.org

Contact person: Helen

Email: hpauls@botanica.org

Field trip information: School groups welcome. Various activities offered throughout the school year (see website for further details).

Cost: \$2.50 per person

Chaplin Nature Center (Wichita Audubon Society)

Nature Center
27814 27th Dr.
Arkansas City, KS 67005

Wichita Audubon Society
Box 47607
Wichita, KS 67201

(620)442-4133

www.wichitaudubon.org

Contact person: Shawn Silliman, Naturalist

Email: cnc@wichitaudubon.org

Fieldtrip information: School groups welcome. Facilities include nature trails, a visitor center, Nature Library, and gift shop. School programs can be arranged. Reservations needed.

Cost: Free admission to visit the Nature Center. There may be fees for some of the programs and activities.

Cheyenne Bottoms Wildlife Area

56 N.E. 40 Rd.
Great Bend, KS 67530
(620)793-7730

www.cheyennebottoms.net

Contact person: Karl Grover

Email: chybott@wp.state.ks.us

Available outreach materials: Area maps, bird/reptile/mammal lists. Staff will visit classrooms in the vicinity of Great Bend. Presentations vary, but usually focus on wetlands.

Field trip information: School groups welcome. Small visitor center contains mammal skulls and skins and some mounted birds.

Dillon Nature Center

3002 E. 30th
Hutchinson, KS 67502
(620)663-7411
www.hutchrec.com

Contact person: Mary Clark

Email: mclark@hutchrec.com

Various activities are available at the Dillon Nature Center for students to gain hands-on experience learning about nature. All programs incorporate Kansas State Science Standards.

Available outreach materials: In-class presentations may be scheduled from November to March. These programs can be used to enhance your lesson plans and enrich the education and environmental awareness of the students. Various presentations available for grades 1-6.

Field trip information: Please visit the website for more information on field trips. Go to “programs” then “Nature Activities” and then click on “schools”. Call the Center for more details and to make group reservations. Field trips are for Pre-K and older.

Exploration Place

300 N. McLean Blvd.
Wichita, KS 67203
(316)266-4286
www.exploration.org

Contact person: Jason Aaron, Visit Planner

Email: visitplanner@exploration.org

Field trip information: School groups welcome. Experience Exploration Place’s hands-on exhibits, CyberDome Theater, Simulation Center, Kemper Creative Learning Studio, Explore Store, Exploration Park, and the 18-hole MiniGolf course. Each area is designed to meet curriculum standards and appeal to all ages. Reservations required for school field trips.

Fairmount Center for Science and Math Education (WSU)

1845 Fairmount, Box 32
Wichita, KS 67260-0032
(316)978-3191
www.webs.wichita.edu/facsme

Contact person: Susan Emerson

Available outreach materials: The Fairmount Center has several classroom presentations for you to choose from, such as “Fun with Science,” “Solids, Liquids, and Gasses,” and various astronomy topics. Staff will visit your classroom upon request. Presentations are 45-60 minutes in length. To reserve a presentation, call (316)978-3191.

A variety of FOSS Kits (grades K-8) are available for free check-out and use in the classroom for up to 8 weeks. In addition, single topic “Learning Centers” can be reserved for 2-week periods of time.

The Center also has a classroom set of TI-83 calculators and Calculator Based Labs (CBLs) available for check-out. For more information on these instruments visit the website www.webs.wichita.edu/facsme/cbl.

Field trip information: The Fairmount Center is in charge of the Lake Afton Public Observatory (LAPO). See LAPO description for more details.

Great Plains Nature Center

6232 E. 29th N.
Wichita, KS 67220
(316)683-5499
www.gpnc.org

Contact person: Joyce Lent

Email: Joyce@gpnc.org

Available outreach materials: “Discovery Boxes” on a variety of subjects are available for check-out. Staff will visit the classroom for presentations featuring wild/native wildlife, birds, mammals, reptiles, etc.

Field trip information: School groups are welcome. Includes guided nature trail activities, a tour of Koch Habitat Hall, and auditorium programs. Typical field trips last about 2 hours. It is best to make reservations 3-4 months in advance.

Cost: Admission is free.

JASON Project

1845 Fairmount, Box 32
Wichita, KS 67260-0032
(316)978-6503

www.webs.wichita.edu/facsme/jason.htm

Contact person: Amy Strong

Email: amy.strong@wichita.edu

Outreach materials available: The JASON Project, offered by Wichita State University and The JASON Foundation, provides students and teachers a comprehensive, multimedia approach to teaching and learning in science, technology, mathematics, language arts and social studies. JASON's multimedia tools can help teachers meet standards and testing requirements, integrate technology into classrooms, and guide each student's educational journey.

The JASON Project is a multi-disciplinary program that sparks the imagination of students and enhances the classroom experience. From oceans to rain forests, from polar regions to volcanoes, the JASON Project introduces students to leading scientists who work with them to explore planet Earth and examine its biological and geological development.

The JASON Project began as the dream of Dr. Robert Ballard, the scientist and oceanographer who discovered the wreck of the *RMS Titanic* in 1986. Dr. Ballard believed that enabling students and their teachers to do field work from the classroom was a powerful concept. The JASON Project was born on the basis of this powerful idea and has since grown into the world's premier real-time science teaching and learning program.

For workshop dates, curriculum purchase, or questions, visit the website listed above or contact Amy.

Kansas Association of Teachers of Science (KATS)

5406 Reeds
Mission, KS 66202
(913)432-9823
<http://kats.org>

Contact person: Gary Andersen, KATS Publications

Email: gander@kckps.org

Available outreach materials: KATS Kamp conference each April.

Kansas Aviation Museum

3350 George Washington Blvd.
Wichita, KS 67210
(316)683-9242
www.kansasaviationmuseum.org

Contact person: Teresa Day
Email: kam3350@juno.com

Available outreach materials: Staff welcomes public speaking opportunities and is willing to set up programs at schools by arrangement.

Field trip information: School groups are welcome. Several vintage aircrafts are on display, as well as hundreds of model airplanes.

Kansas Department of Wildlife and Parks

512 SE 25th Ave.
Pratt, KS 67124
(620)672-5911
www.kdwp.state.ks.us

Contact persons: Shelby Stevens Roland Stein
Email: shelbys@wp.state.ks.us rolands@wp.state.ks.us

Available outreach materials: Nature's Notebook, Lower Primary Guide, Upper Primary Guide, Reference Center Catalog, a variety of brochures are available. Statewide workshops are given. There is a 50 mile radius for classroom visits.

Field trip information: Pratt Nature Center and Pratt Fish Hatchery.

Kansas Wildlife Exhibit (c/o Great Plains Nature Center)

700 Nims
Wichita, KS
(316)683-5499

www.gpnc.org/kansas.htm

Contact person: Jim Mason

Email: Jim@gpnc.org

Available outreach materials: See Great Plains Nature Center.

Field trip information: See Great Plains Nature Center.

Lakeside Nature Center

4701 E. Gregory Blvd.
Kansas City, MO 64132
(816) 513-8960

Contact person: Susan Bray

Email: susan_bray@kcmo.org

Available outreach [presented by staff]: Staff present Wildlife Programs to teach students about animals native to the area. Staff can do the presentation at Lakeside Nature Center (field trip) or in the school classroom or other public location. A mileage fee is charged if location is outside the Kansas City, MO area. Available Tuesday - Sunday, year- round.

Cost: \$3.00 per person (5 chaperones free of charge each presentation)

Field trip information: School groups, home school groups welcome. Various Outdoor School programs available...geared towards classroom science standards for appropriate grade level. Programs can be designed to last 2 - 4 hours. Available Tuesday - Thursday, Spring and Fall.

Cost: \$4.00 per person (at least one chaperone per 10 students requested--free of charge)

Lake Afton Public Observatory

1845 Fairmount, Box 32
Wichita, KS 697260-0032
(316)978-3191

www.webs.wichita.edu/lapo

Contact person: Susan Emerson

Available outreach materials: Classroom presentations are given by the staff. Topics include the Moon, Solar System, Life of a Star, and Ask an Astronomer. Other topics are available at your request.

Learning Centers are available for check out. Each Center includes a full set of instructions and activity books for the classroom. Topics include Make Your Own Telescope, Solar System Treasure Hunt, Fun with Light, and Meteorites. Astronomy games can be reserved for a 2-week period or can be purchased. Available games are Solar System Bingo, Moon Phase Bingo, and Stellar Bingo.

Field trip information: Daytime and evening fieldtrips are offered. In daytime programs, the theme is the Sun and/or the scale of the solar system. Evening programs include the life of a star, the objects which make up our Milky Way Galaxy, or the features on the Moon and planets.

Daytime programs are offered on selected Wednesdays throughout the school year. Evening programs are on Tuesday and Thursday evenings. To reserve any of the outreach materials or book a field trip, call (978)978-3191.

Cost: \$1.50 per person (with a \$35.00 minimum).

Lee Richardson Zoo

312 E. Finnup Dr.
Garden City, KS 67846
(620)276-1250
www.garden-city.org/zoo

Contact person: Kathy Sexson and Andrea Smith

Email: zooeducation@garden-city.org

Available outreach materials: Zoomobiles (programs that come to you) are available to schools within a 70 mile radius of Garden City. Staff will visit your school with live animals, biofacts (pelts, bones, etc.) and artifacts to provide an interactive program on the topic of your choice.

Various library materials are available to educators for in person checkout for a one week loan. Materials include videos, books, thematic units, Discovery Boxes (contents include a variety of artifacts and biofacts pertaining to specific animal themes, such as Australia, adaptations, birds, etc...), and more.

Interactive Distance Learning programs are available thanks to today's technology and the internet. If you are too far away for a zoo visit or a Zoomobile, consider a program where students interact live with a presenter on a television screen.

Field trip information: Visit the Zoo's Education Center and explore hands-on displays and interactives throughout the building before or after your scheduled program. On-site zoo visits provide the opportunity for educational programs in our classrooms or on the zoo grounds. Touch a snake or inspect a tiger's teeth up close. Self-guided walking tour booklets are provided for teachers of grades 3 and below and staff is available to guide a tour for groups from grades 3 and higher. Either type of tour will enhance your education center program and your overall visit to the zoo.

If a grounds tour or education center program is not the thing for you, how about a scavenger hunt? Written for all age levels and on a wide array of topics, scavenger hunts can be mailed or e-mailed to you prior to your visit to increase knowledge retention during your visit. Students will need to find information throughout the zoo by reading the signs posted at exhibits.

Cost: Zoo admission and on grounds programming are free; call for Zoomobile fees. Two weeks advance notice is needed for all educational programming.

Milford Nature Center

3115 Hatchery Dr.
Junction City, KS 66441
(785)238-5323

Contact person: Pat Silovsky

Email: pats@wp.state.ks.us

Available outreach materials: A number of kits are available for educators to check-out for use in their classrooms. The boxes involve a variety of hands-on materials, activities, and resource materials. Staff will also visit classrooms upon reservation. Call for more information.

Fieldtrip information: Students can experience the Nature Center, nature trails, butterfly gardens, and the state-of-the-art freshwater fish hatchery.

Museum of World Treasures

835 E. 1st ST.
Wichita, KS 67202
(316)263-1311
www.worldtreasures.org

Contact person: Pascha Medlin

Available outreach materials: Tour outlines and information can be mailed prior to tour upon request. Museum staff are willing to visit classrooms and bring artifacts into the school, provided that the presentation last at least twenty minutes. They also have a traveling trunk of Ancient Egypt that was developed for 5th/6th grade students but could be adapted to younger or older students. The trunk is available for check-out with the purchase of a group tour (25 or more students).

Field trip information: School groups are welcome. Enjoy the 40,000 square foot exhibit space encompassing prehistoric reptiles and dinosaurs, ancient civilizations, European monarchies, Presidential signatures, and artifacts from the Civil War, American Revolution, WWI, WWII, Korea, and Vietnam.

National Weather Service

2142 S. Tyler Rd.
Wichita, KS 67209
(316)942-8483

www.weather.gov/wichita

Contact person: Chance Hayes

Email: chance.hayes@noaa.gov

Available outreach materials: Classroom PowerPoint presentations are given for appropriate age groups. Presentations incorporate an introduction to weather in a very entertaining fashion. Models of super cells and “Tornado in the Box” demonstrations are available.

Fieldtrip information: School groups (middle school age and above) are welcome. Group size is limited to 20 or less.

Quivira National Wildlife Refuge

RR3, Box 48A
Stafford, KS 67578
(620)486-2393

<http://mountain-prairie.fws.gov/quivira>

Contact person: Cindy Terry

Email: quivira@fws.gov

Available outreach materials: Educator’s guide, field trip guide, handouts, supplies for activities. An educator’s workshop is available for groups of 10 or more.

Fieldtrip information: School groups are welcome. The entire refuge is of interest.

Sternberg Museum of Natural History

3000 Sternberg Dr.
Hays, KS 67601
(785)628-5502
www.fhsu.edu/sternberg

Contact person: Cami Liggett

Email: cliggett@fhsu.edu

Available outreach materials: Specific “tubs” of materials are available. Classroom presentations given upon request. For more information, visit www.fhsu.edu/sternberg/education/educators.shtml. Teacher workshops available.

Fieldtrip information: School groups welcome. Both permanent and changing exhibits are on display. Students can participate in hands-on learning in the Discovery Room.