

IN PERSON FIELD TRIPS (9.1.21)

Please note: Local, State and individual site health and safety protocols are subject to change. These changes may result in postponement/cancellation of trip at host site/school/district discretion. If for any reason the site awarded is unable to accommodate the school, MEEC staff will work with the teachers to decide to visit an alternate host site or make alternate arrangements.

Host Site: Amy's Farm

Site Address: 7698 Eucalyptus Ave., Ontario, CA 91762

Website: <http://www.amysfarm.com/visit/tours>

Field Trip Contact: 1-844-426-9732

Grade Levels: K-12

Max. # of Attendees: Contact site for accommodations.

Length of tour: 1-1.5 hours

Field Trip Description: Amy's Farm is a fun and unique experience for all ages. From early childhood to senior citizens, we offer age-appropriate tours for all visitors. General tours will have you participating in all sorts of hands-on activities including a garden walk, learning about the animals and enjoying the sights, sounds, smells and touches of a working farm. Grades 6-12 school programs include a guided tour and an experiential activity to engage students in learning about the importance of ecological, community-based farming. Programs are linked to the California Learning Standards and include such topics as: Sustainably agriculture, composting, irrigation, vermiculture and much more.

Special Instructions:

1. Activities vary by season.
2. Entry fee of \$8.00- \$10.00 per person depending on program. Entry fees are not covered by MEEC transportation grant.

Host Site: Big Bear Alpine Zoo

Site Address: 43285 Goldmine Drive, Big Bear Lake, CA 92315

Website: <https://bigbearzoo.org/>

Field Trip Contact: 909-866-9700

Grade Levels: K-12

Max. # of Attendees: Contact site for accommodations

Length of tour: Arranged by teacher and host site

Field Trip Description: The Big Bear Alpine Zoo is a rehabilitation facility offering injured, orphaned and imprinted wild animals a safe haven; temporarily while they heal or permanently as they are unable to survive on their own. We are extremely proud that 90% of all the animals brought to us for rehabilitation are successfully released back into their native environment. Those that remain with us on exhibit are either too injured or have been imprinted by humans and cannot be released back into the wild to care for themselves.

Special Instructions:

1. The School or Organization arranging for this group tour will furnish the Big Bear Valley Recreation and Park District's Big Bear Alpine Zoo with a Certificate of

Insurance in the amount of one million dollars liability, naming the Big Bear Valley Recreation and Park District and the County of San Bernardino as additional insured. ***Schools/Organizations that are unable to obtain a certificate of insurance must have the Big Bear Alpine Zoo's Release and Hold Harmless Agreement signed by the parent/guardian of participants under the age of 18 and presented to the zoo the day of the tour. Those 18 and older must sign for themselves.***

2. MEEC is not responsible for entrance, program or parking fees. Check with host site on group discount pricing.

Host Site: California Science Center

Site Address: 700 Exposition Park Dr, Los Angeles, CA 90037

Website: www.californiasciencecenter.org

Field Trip Contact: 213-744-2019

Grade Levels: K-12

Max. # of Attendees: Contact site for accommodations

Length of tour: Arranged by teacher and host site

Field Trip Description: Through hands-on experiences in our galleries, you'll learn about human inventions and innovations, the life processes of living things and more. In our world, everything is connected. Plants, animals, people, weather, water, soil—all are part of a delicate balance. Living things can change their environments—and through a process called adaptation, environments can even change living things.

Special Instructions:

1. Groups of 15 people or more are required to make a reservation before visiting.
2. Parking is \$14 for cars and "yellow" school buses. MEEC is not responsible for parking or entrance/booking fees

Host Site: CalPortland Company, Mojave Cement Plant

Site Address: 9350 Oak Creek Rd., Mojave, CA 93501

Website: www.calportland.com/environment.aspx

Field Trip Contact: Brian Males, Environmental Manager

bmales@calportland.com

661-823-3731

Grade Levels: 6-12

Max. # of Attendees: 60

Length of tour: 3 hours

Field Trip Description: During your visit to CalPortland's Mojave Plant, students will learn about the limestone lifecycle and how it was deposited, blasted, crushed, burned, ground, and then shipped as the finished product-cement. Tour the eight wind turbines installed at the site which produces 50 million kWh and see why this high tech cement manufacturer has been honored with the EPA's 'Energy Star Partner of the Year' award for 13 consecutive years! Students will get to participate in a hands-on activity in which they will combine the necessary ingredients to make concrete.

Special Instructions:

1. Tours are limited to one bus.
2. Closed toe and closed heel shoes and long pants required for all attendees.

Host Site: CalPortland Company, Oro Grande Cement Plant

Site Address: 19409 National Trails Hwy, Oro Grande, CA 92368

Website: www.calportland.com/environment.aspx

Field Trip Contact: Catalina Fernandez-Moores, Environmental Manager

cfernandez@calportland.com

760-269-1135

Grade Levels: 4-12

Max. # of Attendees: 60 persons

Length of tour: 3 hours

Field Trip Description: Students will learn about the limestone lifecycle and how it is deposited. They will learn about the cement manufacturing process and the flow of material while observing the facility from the plant "lookout" point. A tour of the CalPortland Company - Oro Grande manufacturing facility includes a "blast" in the limestone quarry (as production/weather permits, not guaranteed), up close, and tour of the haul trucks, tour of the plant testing laboratory where students learn about the various chemical and physical tests used for quality control purposes. The students will also participate in a hands-on activity- making concrete in a cup.

Special Instructions:

1. Tours are limited to one bus.
2. Closed toe shoes and long pants required for all attendees/

Host Site: Elementis Specialties, Hector Mine

Site Address: 27575 E. Hector Rd. Newberry Springs, CA 92365

Website: <http://elementis-specialties.com/>

Field Trip Contact: Joyce E. Pulliam-Fitzgerald

760-257-3301 X 227

Joyce.fitzgerald@elementis-na.com

Grade Levels: 3-12

Max. # of Attendees: 100

Length of tour: 1-2 hours

Field Trip Description: Elementis Specialties is the world's largest producer of rheological additives (flow control additives) for solvent-based systems, an innovator in the development of additives for waterborne systems and a producer of high quality, nontoxic anticorrosive pigments. The Hector Mine is an open pit mine encompassing over 500 acres which has been in operation since the 1930's. Each student that takes a tour of Hector Mine will gain a general understanding of mining in relation to; 1) The importance of industrial minerals in our everyday lives 2) Basic Geology, 3) Mine Economics, 4) Production, 5) Equipment maintenance, and 5) the skill and education levels involved.

Special Instructions:

1. Limited to 3 schools per year, between January 1 and April 30. Available on a first-come basis.
2. Closed toe, flat shoes required. Long pants and light jacket recommended
3. Additional permission slip required.

Host Site: Forever Wild

Site Address: 8545 Buttemere Rd, Phelan, CA 92371

Website: <http://www.foreverwildsanctuary.org/>

Field Trip Contact: 760-868-2755 or foreverwild@verizon.net

Grade Levels: K-12

Max. # of Attendees: Contact site of accommodations.

Length of tour: 1.5 -2 hours. Closed Monday and Thursday.

Field Trip Description: An animal sanctuary is a facility where animals are brought to live and be protected for the rest of their lives. Unlike animal shelters, sanctuaries do not seek to place animals with individuals or groups, instead maintaining each animal until his or her natural death. We do have a few reptiles and non-exotic animals that we allow the public to touch on certain tours. However we never allow the Exotic Cats to interact with the public, these animals are wild and in enclosures to protect them as well as you. The location can often be exposed and windy, and the enclosures are in the open.

Special Instructions:

1. Closed toes shoes required.
2. General Tour Cost: \$5. Guided Tour Cost: \$6. Admission fees are not covered under MEEC transportation grant.
3. Sanctuary is located 1.3 miles up a dirt road.

Host Site: High Desert Interpretive Center and MWA Central Operations Center

Site Address:

Website: <https://www.mojavewater.org/>

Field Trip Contact: Nicholas Schneider

nshneider@mojavewater.org

760-946-7038

Grade Levels: 3-12

Max. # of Attendees: 36

Length of tour: 2 hours

Field Trip Description: An educational opportunity offering history of the Victor Valley with a focus on water resources is open at the High Desert Interpretive Center. Located between Deep Creek and the Mojave River in Apple Valley, the center features an instructional path with interpretive kiosks, a covered amphitheater and the Mojave Water Agency's new Central Operations Center. Adjacent to the Mojave River bed, the location offers views of the Mojave River Forks Dam and the Cedar Springs Dam. The instructional path is easy to traverse and features kiosks dedicated to the subjects of land and water, the California State Water Project, the ancient Mojave River, the Native American settlers of the Victor Valley, and the western Mojave Desert biology and geology. In addition to the path, the Mojave Water Agency's new Central Operations Center is available for tours. This 5,116 square-foot facility features the Agency's centralized Supervisory Control and Data Acquisition system (SCADA). The SCADA control room enables the operations staff to manage the water system's pumps, valves, reservoirs and wells by computers using operator-determined set points. A major portion of the Agency's groundwater recharge operations are expected to occur at this location with releases of State Water Project water from Silverwood Lake and the Morongo Basin Pipeline via the new Deep Creek outlet. Tours may be scheduled in conjunction with water releases at various times of the year.

Special Instructions: Field trips are limited to schools within the Mojave Water Agency Service Boundaries which include the Victor and Morongo Valleys.

Host Site: Joshua Tree National Park

Site Address: Contact site for specific drop-off instructions.

Website: <https://www.nps.gov/jotr/learn/education/planafieldtrip.htm>

Field Trip Contact: <https://www.nps.gov/jotr/learn/education/planafieldtrip.htm>

Grade Levels: PK -12

Max. # of Attendees: Contact site for accommodations.

Length of tour: 1-1.5 hours

Field Trip Description: Joshua Tree National Park Joshua Tree National Park is immense, nearly 800,000 acres, and infinitely variable, delicate, and extremely fragile. This is a land shaped by strong winds, sudden torrents of rain, and climatic extremes. Joshua Tree National Park invites you and your students to attend ranger-led education programs. Topics covered by Ranger Guided Programs include: desert landforms, the rock cycle, cultural history of how American Indians and early settlers survived in and adapted to the desert, geology of the Earth and how fault formed the landscape—and continues to shape it today, desert water sources, the Desert Tortoise, Desert Plants. Research and Job Shadowing opportunities available for High School Students.

Special Instructions:

1. Reservations are required.
2. Check with site for correct amount of chaperones needed for the program selected.
3. Entrance-fee waivers are available for educational visits but not for recreational visits. A statement of your educational objectives and your lesson plan with an outline of educational activities is required. Primary and Secondary Groups. To request an academic fee waiver for groups through grade twelve, return the request form (<http://www.nps.gov/jotr/forteachers/upload/feewaiver.pdf>) and allow a minimum of two weeks for us to process your request. Entrance fees are not covered by transportation grant.

Host Site: Living Desert and Botanical Gardens

Site Address: 47900 Portola Ave, Palm Desert, CA 92260

Website: <http://www.livingdesert.org/>

Field Trip Contact: Bobby Sizemore
School Field Trips Director
760-346-5694 ext. 2519
schoolfieldtrips@livingdesert.org

Grade Levels: K-12

Max. # of Attendees: 120

Length of tour: 1.5 hours +, contact site for accommodations.

Field Trip Description: The Living Desert provides an introduction to desert ecology to more than thousands of school children each year. Field Trips have the following exciting options that include our regularly scheduled storytelling, live animal encounters, Wildlife Wonders Show, Village WaTuTu, hands-on Discovery Center and our desert play land – Gecko Gulch. Docent-Guided tours available for grades 1-12. You may choose a tour of African or North American exhibits, or book a North American tour highlighting the ancient Cahuilla Indians. After your docent-led tour you may continue to enjoy the park at your leisure! Pre- and Post visit material packets are available for free download. Materials include: field trip information, guidelines for school groups, “What is a Desert?” activities for classroom settings, and background fact sheets.

Special Instructions:

1. Entrance fee of \$6.00. Admission and activity fees are not covered under MEEC transportation grant.
2. Educators may make arrangements to visit the park in advance to finalize lesson plans at no charge.

Host Site: Mitsubishi Cement Corporation

Site Address: 5808 CA-18, Lucerne Valley, CA 92356

Website: <http://mitsubishicement.com/>

Field Trip Contact: David Rib

Environmental Manager

760-248-5184 or drib@mitsubishicement.com

Grade Levels: 3-12

Max. # of Attendees: Contact site for accommodations.

Length of tour: 2 hours

Field Trip Description: See how cement is made from raw materials blasted from the mountain-side into an important building material. Beautiful views of the cement process overlook Lucerne Valley and beyond. See how vegetation is re-established to restore the natural habitat. See how raw materials are mixed and heated and then transformed to cement clinker. See a big pile of waste tires that are used daily as clean fuel for the process. Every student will learn the difference between cement and concrete!

Special Instructions: Pandemic provisions and protections may vary in accordance with the current guidelines from the CDC and Cal OSHA.

Host Site: Mojave Desert Air Quality Management District

Site Address: 14306 Park Ave, Victorville, CA 92392

Website: <http://www.mdaqmd.ca.gov/>

Field Trip Contact: Ryan Orr

Community Relations and Education Supervisor

760-245-1661 ext. 3001

Grade Levels: K-12

Max. # of Attendees: check with site for accommodations

Length of tour: check with site for accommodations

Field Trip Description Clean Power Education Center (CPEC) – Located in the lobby of the MDAQMD’s Victorville offices, the CPEC was designed to promote renewable, clean sources of energy and educate the public about their benefits to the environment, the economy and future energy demands. The display includes a 1/48 scale working model of the District’s Solar Electric System, a diagram of how a solar cell works, actual size PV solar cells, a Solar Kiosk – a touch screen, interactive display customized to the MDAQMD’s specific roof-top system, and highlighting it’s performance data. Since its 2004 installation, the MDAQMD’s solar system has produced more than 1,000,000 KWh of electricity, which has saved the District more than \$280,000 in energy costs and prevented approximately 631,000 lbs of CO emissions. Field trip includes a grade appropriate air quality workshop/presentation and tour of the air monitoring station and Clean Power Education Center.

Special Instructions: N/A

Host Site: Mojave Water Agency Headquarters
Site Address: 3846 Conference Center Dr, Apple Valley, CA 92307
Website: <https://www.mojavewater.org/>
Field Trip Contact: Nicholas Schneider
nschneider@mojavewater.org or 760-946-7038

Grade Levels: 3-12

Max. # of Attendees: 36

Length of tour: 2 hours

Field Trip Description: MWA's Headquarters facility is a stand out among LEED Certified (Leadership in Energy and Environmental Design) buildings and includes an impressive 1.7 acre sized demonstration garden. The garden displays alternatives to turf as well as other high water consuming plants. Landscaping ideas, utilizing best water conservation practices as well as seeing what plants work best in the ever-changing climate of the High Desert are all parts of this gorgeous garden. The MWA Headquarters Facility is helping decrease negative air quality effects of transportation impacts by providing employees with bicycle access, storage and showering facilities within 200 yards of the main entrance. Hybrid or electric automobiles are encouraged through the provision of preferred parking for fuel efficient vehicles. A comprehensive photo-voltaic system was installed, comprised of roof, carport and ground mounted panels that produce up to 70% of the facility's power needs. With 258 kW DC panels, the project was completed using some of the most advanced solar technology available. Customized school tours for energy and water conservation and energy/garden service learning project ideas.

Special Instructions: Field trips are limited to schools within the Mojave Water Agency Service Boundaries which include the Victor and Morongo Valleys.

Host Site: Oak Glen Preserve
Site Address: 39611 Oak Glen Road Oak Glen, CA 92399
Website: http://www.wildlandsconservancy.org/outdoor_inland.html
Field Trip Contact: Elba Mora
Outdoor Education Director
909-790-3698 or elba.m@twc-ca.org

Grade Levels: 3-6

Max. # of Attendees: 110

Length of tour: 5 hours

Field Trip Description: Located in Oak Glen, nestled within the San Bernardino Mountains, this free program takes place on a two-mile nature trail on the Oak Glen Preserve. This trail meanders through an evergreen forest, past ponds that host migratory ducks in winter, and under a canopy of a deciduous black oak forest that opens onto a south-facing chaparral hillside. The return trail follows a willow shaded stream onto a boardwalk that is the home to a variety of butterflies when the wetlands are in bloom. Children will experience, within a small geographic area, ecosystems that were previously unknown to them. The Outdoor Discovery Program is a five hour nature adventure field trip, at which each child will have a chance to learn, explore, and gain a new respect for nature while having fun.

Special Instructions: Weather appropriate clothing and closed toe shoes required.

Host Site: Prime Desert Woodland Preserve

Site Address: 43201 35th Street West, Lancaster CA 93534

Website: <http://www.cityoflancastrca.org/about-us/departments-services/parks-recreation-arts/parks/prime-desert-woodland-preserve>

Field Trip Contact: 7661-723-6250

Grade Levels: K-12

Max. # of Attendees: Contact site for accommodations

Length of tour: 2 hours

Field Trip Description: First proposed in 1985, the Prime Desert Woodland Preserve is the result of the efforts of many local residents and the Lancaster City Council. This scenic location nestled within an urban area has been established to provide visitors an opportunity to learn about the animals, plants, and the region in which we live, as well as a place to simply relax and enjoy nature. The Preserve has an area of about 100 acres with over two miles of trails.

Special Instructions: Interpretive Center open Weekends and Wednesdays only.

Host Site: Riley's Farms

Site Address: 12261 S. Oak Glen Road, Oak Glen, CA 92399

Website: <http://rileysfarm.com/index.php/information/contact-us/>

Field Trip Contact: <http://rileysfarm.com/index.php/information/contact-us/>

Grade Levels: K-12

Max. # of Attendees: Contact site for accommodations.

Length of tour: Contact site for accommodations.

Field Trip Description: Students will learn the extent of science, technology, engineering and math as it was in the 1700s and 1800s. Students will tour homesteads and draw comparisons of life in the colonial era to see how far we've come leading up to the industrial revolution. From antique candle dipping to some of the earliest farming techniques, Riley's Farms offers a glimpse into how far ingenuity has come in such a short period. Students can learn about the science behind early American tool and weapon making at the blacksmith and can even get a taste of colonial economics as they learn how business was conducted at the height of the gold rush. Teachers are encouraged to contact Riley's Farm prior to their visit.

Special Instructions: Program fee not covered by MEEC transportation grant.

Host Site: Victor Valley Museum

Site Address: 11873 Apple Valley Rd, Apple Valley, CA 92308

Website: <http://www.sbcounty.gov/museum/branches/vvm.htm>

Field Trip Contact: 760-240-2111

Grade Levels: K-12

Max. # of Attendees: Contact site for accommodations

Length of tour: Contact site for accommodations

Field Trip Description: Discover Your Own Backyard at the Victor Valley Museum. Explore the cultural and natural heritage of the High Desert. Exhibits include Native Americans, prehistory and history archaeology, rocks, minerals, mining, fossils, plants, animals, and the Mojave Desert's unique environments. Curriculum-based gallery guides for school groups available.

Special Instructions:

1. Admissions fees- Adults \$5.00, Children under 12 \$2.00. Admission fee not covered by MEEC transportation grant.
2. Open Wednesday thru Sunday.

Host Site: Victor Valley Transit Authority
Site Address: 17150 Smoke Tree Street, Hesperia, CA 92345
Website: <https://vvta.org/>
Field Trip Contact: Dustin Strandberg
760-995-3580 or dstrandberg@vvta.org

Grade Levels: 6-12

Max. # of Attendees: 10

Length of tour: 30-45 minutes

Field Trip Descriptions: The VVTA Hesperia facility is located on 10 acres just off Main Street on the corner of Smoke Tree Street at E Avenue. The VVTA Administration and Maintenance Buildings are Leadership in Energy and Environmental Design (LEED) Gold rated, which includes the following LEED attributes: State-of-the-art underground storm water treatment and retention system; Solar tubes to reduce the need for artificial lighting in hallways and some offices; Water recycling for the bus wash, featuring reverse osmosis deionization, which recycles 80% of water; Innovative heating and ventilation system in which clean air flows up through the floor rather than being pushed down from the ceilings; Photovoltaic power system, which will produce all of the facility's electricity requirements; Shade for buses to reduce air conditioning cooling times, saving fuel and reducing emissions.

Special Instructions: Closed toed shoes required.

Host Site: Whitewater Preserve

Site Address: 9160 Whitewater Canyon Rd, Whitewater, CA 92282

Website: http://www.wildlandsconservancy.org/preserve_whitewater.html

Field Trip Contact: Caroline Conway
Caroline.c@twc-ca.org

Grade Levels: K-12

Max. # of Attendees: 70

Length of tour: 2 hours.

Field Trip Descriptions: Whitewater Preserve is one of three nature preserves in the desert region owned and operated by The Wildlands Conservancy (TWC). All programs are themed according to NGSS, unless requested. Programs available cover- ecosystems, geology, flow of matter and energy, water sheds and aquifers. Citizen Science "Macroinvertebrate Survey" options available for middle and high school students.

Special Instructions:

1. Tour available on Tuesdays, Thursdays and Fridays
2. Closed toe shoes and weather appropriate clothing required.

Host Site: Yucaipa Regional Environmental Science Day Camp

Site Address: 33900 Oak Glen Road, Yucaipa, CA 92399

Website: <http://cms.sbcounty.gov/parks/ActiveOutdoors/EnvironmentalScienceDayCamp.aspx>

Field Trip Contact: 909-387-2461

Grade Levels: 4-5

Max. # of Attendees: Contact site for accommodations.

Length of tour: Contact site for accommodations.

Field Trip Descriptions: The Environmental Science Day Camp offers 4th and 5th grade students an opportunity to learn about geology, biology, botany, environmental stewardship and the Serrano Indians on a first-hand basis.

Special Instructions: Please check with host site for additional program instructions.

1. Pending school district off-site field trip approval. Please check with host site for program availability.
2. Parking and entrance fees not covered by MEEC transportation grant.