

PRICES

Program times range from 1 hour to 2 hours in length depending on the size of the group:

NUMBER OF STUDENTS	TIME REQUIREMENT	COST
1-30	1 hour	Resident: \$65 Non-resident: \$88
31-60	1½ hours	Resident: \$169 Non-resident: \$229
61-90	2 hours	Resident: \$283 Non-resident: \$383

- Teachers, chaperones, and spectators are free.
- Field Trip Fees are paid to the "City of Chandler."
- All payments must be paid 48 hours prior to event.
- Refunds will be provided if cancellations are made 48 hours before the event. Less than 48 hours notice will result in a 50% refund.

For more information visit
www.chandleraz.gov/eec.

To request a reservation for your school or group, please contact Ariane Francis at ariane.francis@chandleraz.gov or by phone at 480-782-2886.



Environmental Education Center
4050 East Chandler Heights Road
Chandler, AZ 85249

(NE corner of Chandler Heights and Lindsay roads)



Mayor Jay Tibshraeny and the Chandler City Council

ENVIRONMENTAL EDUCATION EXPLORATION

FIELD TRIP GUIDE

PRESENTED BY THE CITY OF CHANDLER

ENVIRONMENTAL EDUCATION CENTER



Veterans Oasis Park • www.chandleraz.gov/eec
EEC@chandleraz.gov • 480-782-2890



THE ENVIRONMENTAL EDUCATION CENTER'S Environmental Education Explorations AT VETERANS OASIS PARK

The mission of the Environmental Education Center is to be an outstanding resource for life-long environmental education by providing discovery opportunities to people from all walks of life through innovative, fun, and educational recreation programs, services, exhibits, and events. The Environmental Education Explorations allow students to experience the adventure of learning science, social studies, and other subjects through inquiry-based activities, investigations, and technology on site at the Environmental Education Center and Veterans Oasis Park. These programs were developed to complement educators when teaching key requirements to their students.

PROGRAMS OFFER HANDS-ON LEARNING ACTIVITIES FOCUSED ON THE ENVIRONMENT OF THE SONORAN DESERT AND SUSTAINABILITY

Our goal is to provide hands-on learning activities that support the academic standards set by the Arizona State Board of Education. Programs are grade specific and encourage students to apply scientific thinking which will enable them to strengthen skills they will use every day such as problem solving, team work, exploration, identification, and more. Students will learn through visual, auditory, and tactile experiences that have been developed to directly relate to the topic selected.

Pre-K

CACTI, MOUNTAINS, AND HIKING...OH MY!

Students will observe common objects found in the Sonoran Desert using multiple senses. They will be able to define what an object, organism, and event is by exploring our park preserve. Students will engage in a real life investigation and communicate their observations through pictographs, pictures, and words.

PLANT CYCLE

Students will be able to identify the basic structure and functions in plants while exploring the diversity of flora found in the Sonoran Desert. They will learn what plants need to survive and understand the plant cycle. They will record their observations through writing and drawing in a journal that they will be able to take home with them.

SCIENTIFIC CAREERS

Learn what different types of scientists do as part of their jobs. Students will be able to describe the development of different technologies and how they have had an impact on our society. Students will design and conduct a technological solution to a common problem or need using common materials.



Grades K-2

CHARACTERISTICS OF THE SONORAN DESERT

The Sonoran Desert provides a home to many types of plants and animals. Students will explore the park grounds using binoculars and exploring specimens. Students will learn how to classify wildlife using the taxonomy system and will complete a project using items found in the desert.

EARTH DAY

Celebrated world wide to spread awareness about protecting the Earth's natural resources and its environment, this program focuses on one of Earth's most precious resource, water. Students will learn how to conserve water, while learning about the water cycle and how plants use water to survive.

POLLINATION

Spring time is when many plants exhibit their showiness of vibrant colors and scents to attract animals that aid in pollination. Students will learn what pollinators and pollinizers are and the process of how pollen is transferred to create seeds for new plants.

SOLAR SYSTEM

Students will take a tour along Chandler's Solar System Walk, and through the series of monuments and signs they will learn about the sun, planets, and other objects found in our solar system. Along with the tour, students will learn about constellations and the impact on technology and space travel.

WATER CYCLE

Students will learn about renewable and non-renewable resources and be able to discuss and reason about the environmental impacts to these resources. They will perform a water-filtration activity which will define the concepts and properties of water.

WEATHER

Even the desert has different weather patterns during each season. Students will learn and observe how and why our climate changes during the year. They will be able to identify temperature, wind, precipitation, and storms and provide examples of how the weather affects people's daily activities.

Grades 3-5



AQUATIC ECOSYSTEM

An aquatic ecosystem is an ecosystem within a body of water. Students will get their hands wet as they explore our lake and discover the connection between water quality and aquatic life. We will also conduct a water purification experiment.

GEOCACHING

Discover the element of adventure while learning how to read a compass, GPS device, and map. This program will enable participants to strengthen skills like teambuilding, communication, orienteering, and social studies while searching for geocaches. Participants will use GPS units to locate geocaches throughout Veterans Oasis Park.

KITCHEN SCIENCE

A reaction is a change that happens to a substance. Reactions that take place in the kitchen are physical processes and chemical processes. Students will learn and discover the science behind cooking and pantry items through hands-on demonstrations and experiments.

NATURAL RESOURCES

Natural resources like wind, solar, water, air, metal are resources that occur naturally in the environment. Every man-made product is composed of natural resources. In this program students will learn about natural resources and how they can be used as a clean form of energy.

THE RECYCLED ROCK CYCLE

This program will teach students how rocks are formed and how they change over time. They will learn the rock cycle and be able to identify various different rocks and minerals found in the Sonoran Desert by performing scratch tests and other experiments on various specimens.

TRANSPIRATION

Did you know that plants sweat? Students will learn how plants take water from the soil and how they lose the water through their leaves, a process known as transpiration. They will be able to identify various environmental causes of transpiration and understand the processes of photosynthesis.

WEATHER AND CLIMATE

Students will learn the concepts of wind speed, the water cycle, cloud types, and temperatures. They will have the opportunity to use different weather tools like an anemometer, barometer, flags, and a weather map as they observe weather events.

Grades 6-8

HYDROLOGY

Although there is plenty of water on earth, it is not always in the right place, at the right time and of the right quality. Students will create and study their own watershed to demonstrate how rainfall is channeled and collected. Once the water is collected students will assess potential pollution sources, test the water, and discuss current water conservation habits.

PHOTOSYNTHESIS

One of the major differences between plants and animals on earth is the ability of plants to internally manufacture their own food. Students will learn photosynthesis, a plant's process of converting light energy into chemical energy.

RENEWABLE ENERGY AND SUSTAINABILITY

Renewable is a term applied to natural resources and refers to resources that can be renewed or replenished in a short period of time. Through demonstrations students will learn what energy is and its different forms. They will see energy conservation, consider the impact of human energy use, and innovate ways to conserve and use resources sustainably.

WEATHER PHENOMENON

There are socially and scientifically constructed understandings of what weather is and what makes it change. Students will conduct experiments that demonstrate how weather is driven and how temperatures differ from polar to tropical regions of the earth.

FOR A COMPLETE LIST OF PROGRAMS PLEASE
VISIT WWW.CHANDLERAZ.GOV/ECC