



TOHONO CHUL
PARK

Discover its Nature!

Guided Tours at Tohono Chul Park and the Arizona Standards

Depending on the grade level of your class, and your area of study, a docent-guided tour at Tohono Chul Park will touch on most, if not all of the following Arizona Standards:

Arizona Science Standards

Standard 1: Science as Inquiry

- 1SC-R2. Ask questions about the natural world
- 1SC-R6. Communicate observations and comparisons through various means
- 1SC-F4. Describe relationships among parts of a familiar system

Standard 3: Personal and Social Perspectives in Science and Technology

- 3SC-R2. Use simple technology (magnifiers)
- 3SC-F3. Describe and explain the interrelationship of populations, resources and environments
- 3SC-P4. Identify and describe the basic processes of the natural ecosystems and how these processes affect, and are affected by, humans
- 3SC-P5. Describe and explain factors that affect population size and growth (e.g., quality of environment)

Standard 4: Life Science

- 4SC-R1. Distinguish living from non-living things
- 4SC-R2. Describe the basic needs of living organisms
- 4SC-R3. Recognize and distinguish similarities and differences in diverse species
- 4SC-F1. Describe and explain cause-and-effect relationships in living systems
- 4SC-F2. Trace the life cycles of various organisms
- 4SC-F3. Identify the basic structures and functions of plants and animals
- 4SC-F4. Identify characteristics of plants and animals (including extinct organisms) that allow them to live in specific environments
- 4SC-F7. Explain the interaction of living and non-living components within ecosystems
- 4SC-E7. Explain and model the interaction and interdependence of living and non-living components within ecosystems, including the adaptation of plants and animals to their environment
- 4SC-P6. Describe and explain how the environment can affect the number of species and the diversity of species in an environment

Standard 6: Earth and Space Science

- 6SC-R2. Understand that the sun heats and lights the earth
- 6SC-R3. Identify how the weather affects daily activities
- 6SC-R4. Identify basic earth materials (rocks, soils, water) and their common uses
- 6SC-F3. Identify the seasons and their characteristics

Arizona Social Studies Standards

Standard 3: Geography

- 3SS-F2. Identify natural and human characteristics of places and how people interact with and modify their environment
- 3SS-E2. Describe the impact of interactions between people and the natural environment on the development of places and regions in Arizona, including how people have adapted to and modified the environment
- 3SS-E7. Explain the effects of interactions between human and natural systems, including the changes in the meaning, use, and distribution of natural resources, with emphasis on ways that humans depend upon limited resources and adapt to, and affect, the natural environment, changing ideas and disagreements on the best use of natural resources

If your docent-guided tour includes the topic of ethnobotany, it will cover most, if not all of the following Arizona Standards:

Arizona Social Studies Standards

Standard 1: History

- 1SS-F2. Describe everyday life in the past and recognize that some aspects change and others stay the same
- 1SS-F3. Use stories to describe past events, people, and places
- 1SS-E2. Describe the legacy and cultures of prehistoric American Indians in Arizona, including the impact of, and adaptations to geography

If your tour includes the changing indoor art/culture exhibits, the docent-guided tour will also include the following Arizona Standards:

The Arizona Arts Standards – Visual Arts

Standard 1: Creating Art

- 1AV-R2. Recognize that the visual arts are a form of communication
- 1AV-R3. Identify various subject matter, ideas, and symbols (e.g., lion representing courage, heart symbolizing love, road conveying journey) used in the work of others to convey meaning
- 1AV-R4. Begin to look at, and talk about, art

Standard 2: Art in Context

- 2AV-R2. Recognize and articulate how visual arts represent many cultures, times and places
- 2AV-E4. Describe the role art plays in culture and how it reflects, records and shapes history in various times, places and traditions

Standard 3: Art as Inquiry

- 3AV-R1. Identify design elements (e.g., line, color, shapes, texture) and design principles (e.g., balance, repetition, emphasis, perspective) and how they are used by visual artists to communicate meaning
- 3AV-R2. Know that art is a visual language and is a form of expression and communication
- 3AV-R3. Recognize and describe the many ways to create, value and respond to art
- 3AV-R4. Recognize and respect that there are many valid responses to works of art that may be different from their own
- 3AV-F2. Understand there are various purposes for creating works of art
- 3AV-F5. Describe how personal experiences and outside influences may affect the work of an artist, as well as the perceptions of the viewer