
OPEN3 Program Description

The Old Pueblo Educational Neighborhood (OPEN) program allows students and adults to learn what archaeology is all about by excavation in "OPEN3," a full-scale model of an archaeological site. OPEN3 is a simulated excavation site that archaeologists have constructed to resemble a southern Arizona Hohokam Indian ruin. It has full-size replicas of prehistoric pithouses and outdoor features that the Hohokam used for cooking, storage, and other (sometimes surprising) purposes.

The hundreds of buried artifacts at the OPEN3 site include authentic prehistoric pottery, stone tools, and seashell jewelry, plus replica artifacts. Students participating in the program get to learn and practice techniques used to excavate real archaeological sites. They are also exposed to scientific interpretation of how ancient people constructed their houses, what they looked like, ate, and believed in, and how they created beauty in their lives.

Old Pueblo provides all equipment and supplies for the program. Participants must wear protective clothing including long pants, a hat, and shoes that completely cover the feet (no sandals, flipflops or other open-toed shoes). Sunblock lotion is also highly recommended.

Just as real archaeologists don't collect ancient artifacts for themselves, OPEN3 dig participants DO NOT get to keep any of the artifacts they excavate. Though some of the artifacts buried in the OPEN3 site are modern replicas of ancient artifacts, most of them are authentic prehistoric items, some of which are on loan to Old Pueblo Archaeology Center from the Arizona State Museum, University of Arizona.

Fees for 2-hour Group Programs:
Registration fee of \$100, plus \$6 per student

Fees for 5-hour* Group Programs:
Registration fee of \$100, plus \$11 per student

* Fees include archaeologist's drive time for prefieldwork orientation lesson within 30 miles of Old Pueblo Archaeology Center. Additional fees are charged if one-way distance is more than 30 miles from Old Pueblo.

For scheduling and more information about our programs please contact Old Pueblo Archaeology Center in Tucson at 520-798-1201 or info@oldpueblo.org



Classroom Scholarships

Old Pueblo Archaeology Center raises funds to help economically disadvantaged schools attend our classroom programs at reduced program rates. The degree of scholarship support is based on the amount of money that Old Pueblo has available and the percentage of students in the school who qualify for free or reduced cost meal support as reported by the Arizona Department of Education's most current on-line "Free and Reduced" report.

The *OPEN3** Simulated Excavation & Discovery Program



Old Pueblo Archaeology Center
2201 W. 44th St., Tucson AZ
in the Tucson Unified School District's
Ajo Service Center

PO Box 40577
Tucson AZ 85717-0577

* Old Pueblo Educational Neighborhood Site 3

Overview of the OPEN3 Program

Subjects: Science, mathematics, language arts, and social studies

Skills: Knowledge, comprehension, application, analysis, and evaluation

Strategies: Observing, discussing, explaining, identifying, writing, recalling, knowing, inferring, concluding, utilizing, constructing, creating, interviewing, solving, showing, relating, discovering, listing, participating, predicting, presenting, measuring, reconstructing, and examining

Duration: 2 hours or 5 hours

OBJECTIVES:

In their study of archaeology, students will participate in a simulated excavation of a prehistoric Hohokam site to:

- Make inferences and interpretations using archaeological data
- Apply archaeological concepts from archaeology unit
- Recreate a prehistoric art form
- Identify archaeological features and artifacts
- Apply basic spatial and temporal concepts: context, association, and stratigraphy
- Determine the location of artifacts and features within grid units and make inferences
- Apply good teamwork skills
- Explain the importance of site preservation and ethics
- Make accurate measurements using the metric system to create a map
- Test research questions and hypotheses
- Reconstruct ancient lifeways
- Explain cultural change
- Present archaeological findings

PROGRAM OUTLINE:

2 Hour Program:

- I. Orientation (30 minutes)
 - A. Discussion of what archaeologists are and what they do
 - B. Artifact identification
 - C. Basic archaeological terminology
 1. Context
 2. *In situ*
 - D. The Hohokam and the O'odham
 - E. How to dig properly and fill out paperwork
- II. Excavation (50 minutes)
 - A. Students rotate through screening, excavating, and a prehistoric pottery project
- III. Paperwork (20 minutes)
 - A. Students work with their crew chief to make interpretations and inferences about their discoveries
- III. Site tour (20 minutes): Students give a brief presentation on the unit they excavated, their discoveries, and their interpretations

5 Hour Program (on two separate days):

- I. Day 1 Orientation (1 hour total)
 - A. Discussion of what archaeologists are and what they do
 - B. Artifact identification
 - C. Basic terminology
 1. Context
 2. *In situ*
 - D. The Hohokam
 - E. Research questions
 - F. How to dig properly and fill out paperwork.
- II. Day 2 Excavation (4 hours total)
 - A. Orientation on site (30 minutes)
 - B. Students rotate through screening, excavating and completing a prehistoric craft (2 hours)
 - C. Lunch (30 minutes)

D. Paperwork (30 minutes)

1. Students map units and *in situ* artifacts
2. Students complete pottery laboratory exercise
3. Students work with their crew chief to make interpretations and inferences about their discoveries

E. Site tour (30 minutes): Students give a brief presentation on the unit they excavated, their discoveries and their interpretation.

RELATED 4th GRADE SOCIAL STUDIES AND SCIENCE ARIZONA STATE STANDARDS

The OPEN3 program also relates to many Art, Science, Social Studies, Math, Language Arts, & Writing Standards for grades 4-8. For a comprehensive list and description of all of the related Arizona State Standards please contact Old Pueblo Archaeology Center or download them from www.oldpueblo.org

4th Grade Science Standards:

Strand 1: Inquiry Process

Concept 1: Observations, Questions, and Hypotheses
PO 1, PO 2, & PO 3.

Concept 2: Scientific Testing (Investigating and Modeling)
PO 1, PO 4, & PO 5.

Concept 3: Analysis and Conclusions
PO 1, PO 2, PO 3, PO 4, & PO 5.

Concept 4: Communication
PO 1, PO 2, PO 3.

Strand 2: History and Nature of Science

Concept 1: History of Science as a Human Endeavor
PO 2.

Concept 2: Nature of Scientific Knowledge
PO 1.

4th Grade Social Studies Standards:

Strand 1: American History

Concept 1: Research Skills for History
PO 1 & PO 4.

Concept 2: Early Civilizations
PO 1 & PO 2
