



# Teacher Packet

School Outreach Information



**Pueblo Grande Museum and Archaeological Park**

4619 E. Washington St.

Phoenix, AZ 85034

(602) 495-0901



City of Phoenix

# Index

How to Schedule an Outreach.....	Page 1
School Outreach Request Form.....	Page 2
Pricing and Program Details.....	Page 3
School Outreach Programs.....	Page 3
Lab Programs.....	Page 4
Standards for Outreaches.....	Page 5
Craft Activities.....	Page 10

# Outreach Programs and Resources

Unable to bring your class to Pueblo Grande Museum? Not to worry, we offer an outreach program! We have enthusiastic, experienced staff and volunteers that can come to your school and do a presentation and/or activity on a variety of topics including the Ancestral Sonoran Desert People (Hohokam), indigenous people of the Southwest, petroglyphs, archaeology, desert plants, desert animals and much, much more!

Pueblo Grande Museum provides numerous supplemental resources to assist teachers with presenting information to their classes. The following items are available on our website at [www.pueblogrande.com](http://www.pueblogrande.com) under the education and outreach section:

- Recorded virtual programs
- Archaeology based educational activities
- In-depth information about the site of Pueblo Grande and our exhibits
- Historical information about the site and the museum
- Self-guided tour talking points
- Electronic copy of the book *Desert Farmer's at the River's Edge*  
*Discovery Guides* (for K through 6th grade)
- Site etiquette guidelines



## Hours and Information

**Location:** 4619 E. Washington St. Phoenix, AZ 85034

**Phone:** 602-495-0901

**Fax:** 602-495-5645

### **Regular Hours (October - April)**

Monday - Saturday: 9 a.m. to 4:45 p.m.

Sunday: 1 p.m. - 4:45 p.m.

### **Summer Hours (May - September)**

Tuesday - Saturday: 9 a.m. to 4:45 p.m.

Sunday-Monday: CLOSED

# How to Schedule an Outreach

AFTER REVIEWING THE PACKET: To book an outreach call Pueblo Grande Museum at (602) 495-0901, Monday through Friday, 9 a.m. to 4:30 p.m. or visit our website at [www.pueblogrande.com](http://www.pueblogrande.com) .

1. School outreaches are offered between the hours of 9 a.m. to 3 p.m., Monday through Friday, year-round.
2. Outreach requests must be made **at least 4 weeks in advance.** You will be notified by a staff member either by phone or email if your outreach has been approved.
3. Customized outreach programs are available upon request but require **a minimum of 6 weeks' notice.**
4. Please have the following information ready when you call.

Possible Outreach Date(s)  
Name of School  
School Address  
Name of Contact Person  
Phone Number of Contact Person  
E-mail of Contact Person  
Number of Students - \*Please see page 2 for group size/ program limitations  
Grade Level (pre-K through 6<sup>th</sup> grade)  
Method of Payment (cash, check, purchase order, or credit card)  
Any Special Considerations - such as time constraints or special needs  
Special Requests Requiring Additional Fees\* (Please see page 2)

5. Upon registering by phone, you will receive a confirmation email which includes a school outreach request form that is to be filled out and returned to the museum a minimum of **4 weeks** prior to the scheduled program. Alternatively, you can find a copy of the outreach request form in this packet. Complete the form and email it to Desiree Otto at [desiree.otto@phoenix.gov](mailto:desiree.otto@phoenix.gov).

# School Outreach Request Form

Date(s) of Outreach: \_\_\_\_\_ Start Time: \_\_\_\_\_ am/pm

School \_\_\_\_\_

Classroom # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Directions to the site: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

On-Site Contact Person: \_\_\_\_\_

Phone: (     ) \_\_\_\_\_ - \_\_\_\_\_ E-mail: \_\_\_\_\_

Number of Students: \_\_\_\_\_ Grade Level: \_\_\_\_\_

Type of Activity/Program: \_\_\_\_\_

Craft Activity/Program: \_\_\_\_\_

Projector/Projector Screen Available on Site? \_\_\_ Yes \_\_\_ No

\*Special Considerations and/or needs: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Scheduling Information:

- **We cannot accommodate more than 30 students per class and no more than 2 classes per day.**
- Exceptions may be made for customized programs but may be subject to additional fees.
- Payment for the outreach must be made in advance of the scheduled program. We accept checks (payable to City of Phoenix), cash, credit cards (in person only) and purchase orders. Purchase Orders must be either faxed at 602-495-5645 or mailed to the museum prior to the program. If payment is not received in advance, we reserve the right to cancel the program.
- Please notify us immediately to cancel or reschedule the outreach program.
- Call to confirm your outreach program **1 week** prior to the scheduled program.
- You will be notified by a staff person if your outreach has been approved.

# Outreach Pricing & Program Details

## Program Pricing

1. Standard school outreach programs are \$75 for a 30 to 60-minute-long presentation, an additional fee will be required for multiple programs/ programs exceeding one hour. If your school is more than 20 miles from the Pueblo Grande Museum or in another city outside of Phoenix, a travel charge will be added.
2. Some programs have an optional craft component that will require an additional fee. The cost is \$2 per student/craft (please see page 10).
3. Lab programs are \$75 for a 30 to 60-minute-long presentation. There is also an additional fee of \$3 per student (please see page 4 for program information).

## Program Details

1. Duration: 30 to 60 minutes.
2. Availability: Monday-Friday (excluding holidays), between the hours of 9 a.m. and 3 p.m., year-round.
3. Group size: Maximum size 30 students/program and no more than two programs/day.
4. Some programs require special conditions (please see program descriptions for more information on page 4). For additional information regarding our programs please email the Education Coordinator, Desiree Otto at [desiree.otto@phoenix.gov](mailto:desiree.otto@phoenix.gov) or call at 602-495-0901.

# School Outreach Programs

## **The First Farmers of The Desert (for k – 6<sup>th</sup> grade)**

Using our mobile artifact kit, discover the Ancestral Sonoran Desert people! This is an ideal introduction to archaeology and the first farmers of the Salt River Valley. Learn about their prehistoric canal systems, crops, art and architecture and much, much more in our interactive and hands on presentation! Optional craft components are available at \$2.00 per student per activity (please see page 10 for craft information).

## **Petroglyphs (for k–6<sup>th</sup> grade)**

Learn about the various types of designs on rocks, and the need to preserve them! Learn the skills needed by the ancient artist to create these designs while you make your very own petroglyph or pictograph! Optional craft components are available at \$2.00 per student per activity (please see page 10 for craft information). Special consideration: depending on the activity, access to sunlight may be required.

## **Prehistoric Pottery of the Southwest (for 2<sup>nd</sup> – 4<sup>th</sup> grade)**

Learn more about the prehistoric people of the Southwest and the beautiful pottery they created! With a focus on the Ancestral Sonoran Desert people (Hohokam), learn how pottery was made and the different styles and designs that were used. Optional craft components are available at \$2.00 per student per activity (please see page 10 for craft information).

# Lab Programs

## **Keeping Out the Cold (for 4<sup>th</sup> – 6<sup>th</sup> grade)**

Learn how the Ancestral Sonoran Desert people (Hohokam) used different types of building materials and styles to help protect them from the heat and cold in a desert environment. Modern day architects also must consider different materials for insulation when designing houses that are exposed to ever changing temperatures. Using an assortment of 'building materials' students will determine which provide the best insulation against the cold and understand the science behind it.

**Cost: \$3 per student; minimum \$90.00; Time: 1 – 1-1/2 hours**

## **Urban Heat Island (for 4<sup>th</sup> – 6<sup>th</sup> grade)**

Learn about the various types of shelters that the Ancestral Sonoran Desert people constructed to survive in a desert environment as evidenced at archaeological sites such as Pueblo Grande. In modern times, urbanization in Phoenix has led to an increase in nighttime temperatures, a phenomenon called the Urban Heat Island effect. Learn about this effect by conducting a series of scientific experiments and understand its implications for developing sustainable solutions for urban living. Special consideration: requires access to sunlight.

**Cost: \$3 per student; minimum \$90.00; Time: 1 – 1-1/2 hours**

# Arizona Academic Standards for Outreaches

Our brand-new STEAM based outreaches and labs complement our exhibits and current research in accordance with K-12 Arizona Academic Standards.

## The First Farmers of The Desert

<b>Arizona Academic Standards in the Arts (Visual Arts)</b>				
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4
VA.PR.4.K	VA.CR.2.1a	VA.CR.2.2c	VA.PR.6.3	VA.PR.5.4
VA.RE.7.Ka	VA.RE.7.1a	VA.CN.11.2	VA.RE.7.3a	
VA.RE.7.Kb	VA.RE.7.1b		VA.RE.7.3b	
VA.RE.8.K	VA.CN.11.1			
VA.CN.11.K				

Grade 5	Grade 6
VA.CR.2.5c	VA.RE.7.6a VA.CN.11.6

<b>Arizona Academic Standards in Science</b>						
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
K.E1U1.3	1.L1U1.6	2.E1U1.4	3.E1U1.4	4.E1U1.8	5.L3U1.10	6.E1U1.6 6.L2U3.1
K.E1U1.4	1.L2U2.7	2.E1U2.6	3.L2U1.7	4.E1U3.9		
K.E2U1.5	1.L2U1.8	2.E1U3.7	3.L2U1.8			
K.L1U1.6		2.L2U1.9				
K.L1U1.7						



Arizona Academic Standards in Social Studies						
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
		2.SP1.2				6.SP1.1
K.SP1.1	1.SP1.2	2.SP1.3	3.SP1.2	4.SP1.2		6.SP1.4
K.SP1.2	1.SP1.3	2.SP2.1	3.SP1.3	4.SP1.3		6.G3.1
K.SP1.3	1.SP2.1	2.SP2.2	3.SP3.1	4.SP3.1	5.SP1.2	6.G3.2
K.SP2.1	1.G1.1	2.G1.1	3.G1.1	4.SP3.2	5.SP1.3	
K.SP3.1	1.G2.1	2.G2.1	3.G2.1	4.SP3.3	5.G2.1	
K.G1.1	1.G3.1	2.G2.2	3.G3.1	4.G1.1	5.G3.1	
K.G1.2	1.G3.2	2.G2.3	3.G4.1	4.G2.1	5.H2.1	
K.G2.1	1.H1.1	2.G3.1	3.H1.1	4.G3.1		
K.H2.1	1.H2.1	2.H1.1	3.H2.2	4.H1.1		
		2.H1.2				
		2.H1.3				

### Petroglyphs

Arizona Academic Standards in the Arts (Visual Arts)				
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4
VA.CR.1.Ka	VA.CR.1.1	VA.CR.2.2a	VA.CR.1.3a	VA.CR.2.4a
VA.CR.2.Ka	VA.CR.2.1a	VA.CR.2.2b	VA.CR.2.3a	VA.CN.11.4
VA.CR.2.Kb	VA.CR.2.1b	VA.CR.2.2c	VA.CR.2.3b	
VA.CR.2.Kc	VA.RE.7.1b	VA.CN.11.2	VA.PR.6.3	
VA.RE.7.Ka	VA.CN.11.1		VA.RE.7.3b	
VA.RE.7.Kb			VA.CN.10.3	
VA.CN.10.K				
VA.CN.11.K				

<b>Arizona Academic Standards in the Arts (Visual Arts)</b>	
Grade 5	Grade 6
VA.CR.2.5a VA.CR.2.5b VA.CR.2.5c VA.RE.7.5a VA.RE.7.5b VA.CN.10.5	VA.CR.2.6a VA.RE.7.6a VA.RE.8.6 VA.CN.11.6

<b>Arizona Academic Standards in Mathematics</b>		
Kindergarten	Grade 1	Grade 2
K.G.A.1 K.G.A.2	1.G.A.1 1.G.A.2	2.G.A.1

<b>Arizona Academic Standards in Science</b>					
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
K.P2U2.2 K.E1U1.3 K.E1U1.4 K.L1U1.7 K.L2U1.8	1.E1U1.5 1.L2U2.7 1.L2U1.8	2.E1U1.4 2.L2U1.9 2.L2U1.10	3.E1U1.4	4.E1U1.7 4.E1U1.8 4.E1U2.10	5.P2U1.3

<b>Arizona Academic Standards in Science</b>
Grade 6
6.E1U1.6

<b>Arizona Academic Standards in Social Studies</b>						
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
K.SP.1 K.SP1.2 K.G1.1 K.G2.1 K.H12.1	1.SP1.2 1.G1.1 1.G2.1 1.G3.2 1.H2.1	2.SP1.2 2.SP1.3 2.G1.1 2.G2.1 2.G2.2 2.H1.1	3.SP1.3 3.G2.1 3.G3.1 3.G4.1 3.H1.1	4.SP1.3 4.SP3.1 4.SP3.2 4.G2.1 4.G3.1 4.H1.1	5.SP1.2 5.G2.1 5.H2.1	6.SP.1 6.SP1.2 6.SP1.4 6.G3.2

## Prehistoric Pottery of the Southwest

<b>Arizona Academic Standards in the Arts (Visual Arts)</b>		
Grade 2	Grade 3	Grade 4
VA.CR.1.2	VA.CR.1.3a	VA.CR.2.4a
VA.CR.2.2a	VA.CR.2.3a	VA.PR.5.4
VA.CR.2.2c	VA.PR.6.3	VA.RE.7.4b
VA.CR.3.2	VA.RE.7.3b	VA.RE.8.4
VA.CN.11.2		VA.CN.10.4
		VA.CN.11.4

<b>Arizona Academic Standards in Science</b>		
Grade 2	Grade 3	Grade 4
2.P1U1.2	3.E1U1.4	4.E1U1.6
2.P4U1.3	3.L2U1.7	

<b>Arizona Academic Standards in Social Studies</b>		
Grade 2	Grade 3	Grade 4
2.SP1.3	3.SP1.3	4.SP1.3
2.G1.1	3.SP3.1	4.SP3.1
2.G2.1	3.G2.1	4.SP3.3
2.G2.2	3.G3.1	4.G2.1
2.G2.3	3.G4.1	4.G3.1
2.G4.1	3.H1.1	4.H1.1
2.H1.1	3.H2.2	
2.H1.2		
2.H1.3		

# Standards for Lab Programs

## Keeping out the Cold

Arizona Academic Standards in Science		
Grade 4	Grade 5	Grade 6
4.P4U1.1	5.P2U1.3	6.P1U1.1
4.E1U1.8	5.P4U1.6	6.P1U1.2
4.E1U3.9	5.L4U3.11	6.P2U1.4
4.E1U2.10		6.P4U2.5
		6.E1U1.6
		6.L2U1.13
		6.L2U1.14

## Urban Heat Island

Arizona Academic Standards in Science		
Grade 4	Grade 5	Grade 6
4.P4U1.1	5.P2U1.3	6.P1U1.1
4.E1U1.8	5.P4U1.6	6.P1U1.2
4.E1U3.9	5.L4U3.11	6.P2U1.4
4.E1U2.10		6.P4U2.5
		6.E1U1.6
		6.L2U1.13
		6.L2U1.14

## Crafts/Activities

Here at the Pueblo Grande Museum, we offer an assortment of STEAM based crafts that complement our exhibits and current research in accordance with K-12 Arizona Academic Standards. You can find these standards for our crafts on our website or the link below: <https://www.phoenix.gov/parks/arts-culture-history/pueblo-grande/education/resources>

### **Sandpaper Pictographs (for k – 1st grade)**

Did you know the Ancestral Sonoran Desert people made special designs on rocks called pictographs? Learn about these rare works of art as you create your very own in our brand-new sandpaper craft.

**Cost: \$2 per student; Time: 30 minutes (including instruction/ demonstration)**

### **Shell Jewelry (for k– 1st grade)**

The Ancestral Sonoran Desert people traded for marine shell with people in the Gulf of Mexico and along the California coast. The shells would then be decorated. Create a design on a printed shell shape that will be put on string to simulate the ancient craft of shell decorating.

**Cost: \$2 per student; Time: 30 minutes (including instruction/demonstration)**

### **Embellished Desert Tortoise (for 1st – 3rd grade)**

Tortoises have lived in the Sonoran Desert since the ice age, and their shells have been critical to their survival. Create a 3D desert tortoise out of card stock with an embellished shell using yarn and beads.

**Cost \$2 per student; Time: 30 minutes (including instruction/demonstration)**

### **Pony Bead Indian Corn (for 1st – 4th grade)**

Corn is one of the most important and widely grown crops in the world! Did you know that all corn arose from a single domestication approximately 9000 years ago? Learn about this amazing crop as you make your very own corn on the cob out of pony beads!

**Cost: \$2 per student; Time: 30-40 minutes (including discussion and instruction)**

### **Plaster Petroglyphs (for 3rd – 6th grade)**

Students will create their own petroglyphs with prehistoric design elements.

**Cost: \$2 per student; Time: 30-40 minutes (including discussion and design time)**

### **Prehistoric Pottery (for 6th grade)**

Learn about prehistoric pottery making techniques of the Southwest. Students will make their very own coiled/pinch pot to take home!

**Cost: \$2 per student; Time: 30-40 minutes (including discussion and instruction)**

### **Yucca and Agave Cordage (for 6th grade)**

Students learn the ancient art of a two-strand cord. They will create a bracelet using the cordage they make along with beads.

**Cost: \$2 per student; Time: 30-40 minutes (including discussion and design time)**

### **Pictionary (for 6th grade)**

Students will participate in a game of Pictionary as a group split into two separate teams. Two students will illustrate an object associated with the Ancestral Sonoran Desert people at the same time while their respective teams try to guess what they are drawing. **Cost: FREE; Time: 30 minutes (including instruction/demonstration).**