



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
Standards for Crafts.....	Page 11

****Note: As of the posting of this teacher's packet, due to COVID-19 safety concerns, the museum is currently closed and is not taking reservations for in-person field trips or outreaches. Dates for when the museum will re-open in any capacity have not yet been determined.**

Pueblo Grande Museum provides numerous supplemental resources to assist teachers with presenting information to their classes. The museum is in the process of offering virtual programing, in addition to the following items which are available on-line:

- 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

Unable to bring your class to Pueblo Grande Museum? Not to worry, we offer an outreach program! We have enthusiastic, experienced staff 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), Native peoples of the Southwest, petroglyphs, archaeology, desert plants, desert animals and much, much more!

How to Schedule an Outreach **** Currently not available**

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.

1. School outreaches are offered between the hours of 9 a.m. to 3 p.m., Monday through Friday, year-round. **** Currently not available**

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 3 for group size/ program limitations

Grade Level (pre-K through 8th 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 laura.andrew@phoenix.gov.

School Outreach Request Form

Date(s) of Outreach: _____ Time: _____ am/pm

School _____

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 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.
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: Any day Monday-Friday (excluding holidays).
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). For additional information regarding our programs please email the Visitor Services Supervisor at laura.andrew@phoenix.gov or call at 602-495-0901.

School Outreach Programs **** Currently not available**

The First Farmers of The Desert (for k – 8th 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 charged at \$2.00 per student per activity (please see page 10 for more information)

Petroglyphs (for k–8th 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 charged at \$2.00 per student per activity (please see page 10 for more information). Special consideration: depending on the activity, access to sunlight may be required.

Prehistoric Pottery of the Southwest (for 2nd – 4th 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 charged at \$2.00 per student per activity (please see page 10 for more information)

Lab Programs **** Currently not available**

Keeping Out the Cold (for 4th – 8th 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 4th – 8th 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

Backwards Archaeology (3rd grade & up)

This program emphasizes the context of archaeological artifacts and the process of conducting archeology. Students will be split into teams and tasked with placing their bag of archaeological materials in their original location in our simulated archaeological pit. They will then work together to figure out the context of the materials to understand the connection between the contents of the simulated archaeological pit and the ancestral Sonoran Desert culture.

Cost: \$5 per student, minimum \$80.00; 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

Arizona Academic Standards in the Arts (Visual Arts)				
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				

Arizona Academic Standards in the Arts (Visual Arts)			
Grade 5	Grade 6	Grade 7	Grade 8
VA.CR.2.5c	VA.RE.7.6a VA.CN.11.6	VA.CN.11.7	VA.RE.7.8a

Arizona Academic Standards in Science					
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
K.E1U1.3	1.L1U1.6	2.E1U1.4	3.E1U1.4	4.E1U1.8	5.L3U1.10
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					
K.L1U1.8					

Arizona Academic Standards in Science		
Grade 6	Grade 7	Grade 8
6.E1U1.6	7.E1U2.7	8.E1U3.7
6.L2U3.11		

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

Arizona Academic Standards in Social Studies		
Grade 6	Grade 7	Grade 8
6.SP1.1	7.SP1.3	8.SP1.3
6.SP1.4	7.G1.1	8.G1.1
6.G3.1	7.G2.1	8.G2.2
6.G3.2	7.G3.2	
	7.G3.3	
	7.G3.4	
	7.H1.1	

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				

Arizona Academic Standards in the Arts (Visual Arts)		
Grade 5	Grade 6	Grade 7
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	VA.CR.2.7a

Arizona Academic Standards in Mathematics		
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

Arizona Academic Standards in Science					
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

Arizona Academic Standards in Science		
Grade 6	Grade 7	Grade 8
6.E1U1.6	7.E1.U2.7	8.E1U1.6 8.E1U3.7

Arizona Academic Standards in Social Studies					
Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
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

Arizona Academic Standards in Social Studies		
Grade 6	Grade 7	Grade 8
6.SP.1 6.SP1.2 6.SP1.4 6.G3.2	7.SP1.3 7.G1.2 7.G3.2	8.SP1.3 8.G2.1

Prehistoric Pottery of the Southwest

Arizona Academic Standards in the Arts (Visual Arts)		
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

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

Arizona Academic Standards in Social Studies		
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	Grade 7	Grade 8
4.P4U1.1	5.P2U1.3	6.P1U1.1	7.P2U1.1	8.P4U1.3
4.E1U1.8	5.P4U1.6	6.P1U1.2	7.E1U1.5	8.P4U2.5
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	Grade 7	Grade 8
4.P4U1.1	5.P2U1.3	6.P1U1.1	7.P2U1.1	8.P1U1.2
4.E1U1.8	5.P4U1.6	6.P1U1.2	7.E1U1.5	8.P4U1.3
4.E1U3.9	5.L4U3.11	6.P2U1.4	7.E1U2.7	8.P4U2.5
4.E1U2.10		6.P4U2.5		8.E1U3.7
		6.E1U1.6		8.E1U3.8
		6.L2U1.13		
		6.L2U1.14		

Backwards Archaeology

Arizona Academic Standards in Science				
Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
4.P4U1.1	5.P1U1.1	6.P1U1.1	7.P2U1.2	8.P1U1.2
4.E1U1.5	5.P1U1.2	6.P1U1.2	7.P3U1.3	8.P4U1.3
4.E1U1.6	5.P2U1.3	6.P1U1.3	7.E1U1.5	8.E1U1.6
4.E1U1.7	5.P3U1.4	6.P2U1.4	7.E1U1.6	8.E1U3.7
4.E1U1.8	5.P3U2.5	6.E1U1.6		8.E1U3.8
4.E1U3.9	5.P4U1.6	6.L2U3.11		
4.E1U2.10	5.E2U1.8			

Crafts/Activities **** Currently not available**

Sand Paper 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 sand paper 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 – 8th 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 (only for 8th grade and up)

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-8th 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).

Standards for Crafts

Here at 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 our standards below:

Sandpaper Pictographs (K-1st Grade)

Arizona Academic Standards in the Arts (Visual Arts)	
Kindergarten	Grade 1
VA.CR.1.Ka	VA.CR.1.1a
VA.CR.2.Ka	VA.CR.1.1
VA.CR.2.Kc	VA.CR.2.1a
VA.CR.3.k	VA.PR.4.1
VA.RE.7.Kb	VA.PR.5.1
VA.CN.11.K	VA.RE.7.1a
	VA.RE.7.1b
	VA.RE.8.1
	VA.CN.11.1

Arizona Academic Standards in Social Studies	
Kindergarten	Grade 1
K.SP1.1	1.SP1.3
K.SP1.2	1.SP3.5
K.SP3.1	

Shell Jewelry (K-1st Grade)

Arizona Academic Standards in the Arts (Visual Arts)	
Kindergarten	Grade 1
VA.CR.1.Ka	VA.CR.1.1a
VA.CR.2.Kc	VA.CR.1.1
VA.PR.4.K	VA.CR.2.1a
VA.RE.7.Kb	VA.PR.4.1
VA.CN.10.K	VA.CN.11.1
VA.CN.11.K	

Arizona Academic Standards in Science	
Kindergarten	Grade 1
K.P2U2.2 K.L2U1.8	1.L2U1.8

Arizona Academic Standards in Social Studies	
Kindergarten	Grade 1
K.SP1.1	1.SP1.3
K.SP3.1	1.SP3.5
K.E2.1	1.E2.1
K.G1.2	1.E3.1
K.G2.1	1.E3.3
K.H2.1	1.G2.1
	1.G3.1
	1.G3.2
	1.H2.1

Embellished Desert Tortoise (1st-3rd Grade)

Arizona Academic Standards in the Arts (Visual Arts)		
Grade 1	Grade 2	Grade 3
VA.CR.1.1a	VA.CR.1.2	VA.CR.1.3a
VA.CR.1.1	VA.CR.2.2a	VA.CR.1.3
VA.CR.2.1a	VA.CR.2.2c	VA.CR.2.3a
VA.PR.4.1	VA.CR.3.2	VA.CR.3.3
VA.CN.11.1		VA.PR.6.3

Pony Bead Indian Corn (for 1st-4th Grade)

Arizona Academic Standards in the Arts (Visual Arts)			
Grade 1	Grade 2	Grade 3	Grade 4
VA.CR.1.1a	VA.CR.1.2	VA.CR.1.3a	
VA.CR.1.1	VA.CR.2.2a	VA.CR.2.3a	
VA.RE.7.1b	VA.CR.2.2c	VA.CR.3.3	
	VA.CR.3.2	VA.CN.10.3	

Arizona Academic Standards in Science			
Grade 1	Grade 2	Grade 3	Grade 4
1.L2U2.7 2.L2U1.8 S4-C3-PO1	2.L2U1.9	3.L1U1.5 3.L2U1.8	

Arizona Academic Standards in Social Studies			
Grade 1	Grade 2	Grade 3	Grade 4
1.SP1.3 1.G2.1 1.G3.1 1.H1.1 1.H2.1	2.SP1.3 2.G2.1 2.G2.2 2.G2.3 2.G3.1 2.H1.1	3.SP1.3 3.SP3.1 3.G2.1 3.G4.1 3.H1.1 3.H2.1	4.SP1.3 4.G2.1 4.G3.1

Plaster Petroglyphs (3rd-6th Grade)

Arizona Academic Standards in the Arts (Visual Arts)			
Grade 3	Grade 4	Grade 5	Grade 6
VA.CR.1.3a VA.CR.2.3a VA.PR.6.3 VA.RE.7.3b	VA.CR.2.4a VA.RE.7.4b VA.RE.8.4	VA.CR.1.5 VA.CR.2.5a VA.RE.7.5b VA.CN.10.5	VA.CR.2.6a VA.RE.7.6a VA.RE.7.6b VA.RE.8.6

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

Prehistoric Pottery (6th-8th Grade)

Arizona Academic Standards in the Arts (Visual Arts)		
Grade 6	Grade 7	Grade 8
VA.CR.2.6a	VA.CR.1.7	VA.CR.1.8a
VA.RE.7.6a	VA.CR.2.7a	VA.RE.7.8a
VA.RE.9.6		VA.CN.11.8
VA.CN.11.6		

Arizona Academic Standards ¹³ Social Studies		
Grade 6	Grade 7	Grade 8
6.SP1.1	7.SP1.4	8.E5.1
6.SP1.2	7.G2.1	8.G2.2
6.E3.3	7.G2.2	
6.E5.1	7.G4.2	
6.G3.1		
6.G4.1		

Yucca and Agave Cordage (8th Grade and Up)

Arizona Academic Standards in the Arts (Visual Arts)
Grade 8
VA.PR.6.8
VA.RE.7.8a
VA.CN.10.8
VA.CN.11.8