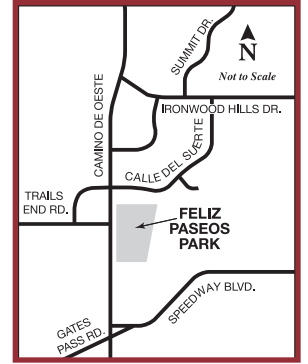
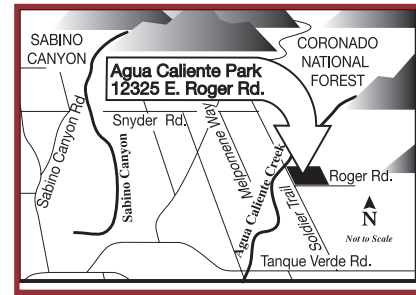


Pima County Natural Resources, Parks and Recreation offers school-based environmental field study programs at three of the region's best natural resource parks. **Roy P. Drachman Agua Caliente Park**, located on the far east side, is a true oasis in the desert. Natural spring-fed ponds attract a variety of wildlife and provide some of the most exciting bird watching in town. **Feliz Paseos Park** and **Tucson Mountain Park**, located on the west side, showcase the iconic Saguaro-Paloverde ecosystem characteristic of the Sonoran Desert.

Read through the detailed program descriptions located inside to help you decide which park and program best suit the needs of you and your class. Specific program details like durations and locations are located below.

PROGRAM LOCATIONS

Program Title	Grades	Duration	Locations Offered			
			Agua Caliente	Feliz Paseos	Tucson Mt. Park	Classroom
Agua Caliente History Day	4th	4 hours	✓			
Desert Wildlife Ecology and Sonoran Desert Conservation	K-8th	1 hour				✓
Earth Day	3rd-6th	4 hours	✓			
Earthkeepers	4th & 5th	2.5 days	✓			
Experiencing Nature through the Senses	K-8th	2 hours	✓	✓		✓
Exploring Aquatic Ecosystems	K-8th	2.5 hours	✓			
Exploring Watersheds and Writing Poetry	2nd-8th	2 hours	✓	✓		
Hydrology	K-8th	2 hours	✓			
Observing Birds	K-8th	2 hours	✓	✓		
Orienteering	2nd-8th	2 hours	✓	✓		✓
Riparian and Desert Ecosystem Discovery	K-8th	2 hours	✓	✓		
Tucson's River of Words Youth Poetry & Art Contest	K-8th	2 hours				✓
Geology of the Tucson Mountains	6th-8th	2.5 hours			✓	



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ENVIRONMENTAL EDUCATION
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ENVIRONMENTAL FIELD STUDY PROGRAMS



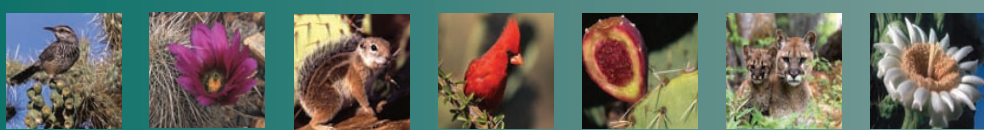
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For more information or to schedule an Environmental Education Field Study program for your class, contact us at:

(520) 615-7855
or eeducation@pima.gov



Exploring Watersheds and Writing Poetry

The landscape of the Tucson basin provides a perfect setting for learning about watersheds, or the movement of water across a landscape. Participate in a watershed building activity and express your understanding of watersheds through poetry writing. This activity can be used to prepare student entries to Tucson's River of Words Youth Poetry and Art Contest. Visit www.pima.gov/nrpr for more information.

Linked to Arizona Academic Standards

[Language Arts](#) R-R1, R5, F2, F4, F5, F8, E2, E3, E4, E6, P2; W-R1, R2, F1, F2, F3, E1, E2, P1, P6, D1, D2; LS-R3, R4, R5, F1, F3, E2, E4, P3, D2, D4; VP-R3, F3, E1, P3; [Science](#) S6: C3: G4PO1. [Social Studies](#) 3SS -F2, PO1, PO3, PO5; 3SS-E1PO3, E7PO6, P4PO3, P4PO5, D3PO2, D3PO6.

Tucson's River of Words Youth Poetry & Art

Tucson's River of Words Youth Poetry & Art Contest incorporates science and art for a truly unique experience. Create your own watershed model and discover the power of water. Then, express your knowledge through original works of poetry or mixed media art. Contest entry forms will be available at the program. Contest deadline is February 1, 2008.

Linked to Arizona Academic Standards – Visual

[Arts](#) 1AV-R1-R6, F1, F4, F6, F8, E1, E4, E5, P1, P2; 2AV-R2,R3, F1, F2, F3, E1, E3, P1; 3AV-R2, F2, E1; [Language Arts](#) R-R1, R5, F2, F4, F5, F8, E2, E3, E4, E6, P2; W-R1, R2, F1, F2, F3, E1, E2, P1, P6, D1, D2; LS-R3, R4, R5, F1, F3, E2, E4, P3, D2, D4; VP-R3, F3, E1, P3; [Science](#) S6: C3: G4PO1. [Social Studies](#) 3SS -F2, PO1, PO3, PO5; 3SS-E1PO3, E7PO6, P4PO3, P4PO5, D3PO2, D3PO6.

Exploring Aquatic Ecosystems

The natural spring and pond at Agua Caliente Park are teeming with life. Use nets, skimmers and buckets to collect water samples and then watch the water come to life under the microscope. Refine your scientific observation skills and sketch aquatic invertebrates to discover the unique adaptive features of life in the water.

Linked to Arizona Academic Standards - Science S4:C1-G1PO2,G1PO3;G2PO1,G2PO3;G4PO2;G6PO1, G6PO6;C2-G1PO2,G2PO1,G2PO3; G3PO2;C3-KPO1,KPO2,G1PO1,G1PO3;G3PO1,G3PO2,G3PO3,G3PO4, G3PO5;G4PO1,G4PO3;G4PO1,G4PO3;G6PO1,G6PO2;G7PO1,G7PO2,G7PO3,G7PO5,G7PO6, C4-G3PO1;G4PO1,G4PO2;G8PO1,G8PO5,G8PO6; 3SS-F2PO5;3SS-E7PO6;3SSP4PO3,3SSP4PO3;4SS-F4,F7,E7,P4,P6

Desert Wildlife Ecology & Sonoran Desert Conservation

Multi-media and live wildlife presentations are available to enhance the study of desert wildlife. This program is useful as a preparation for field study trips to Pima County's natural resource parks or to enhance biology, ecology and conservation education classes. Presentation focus is easily adapted to the specific needs of each classroom.

Linked to Arizona Academic Standards – Science S4: C1: G2PO1; G4PO2; G6PO1. C2: G1PO1; C3: KPO1, KPO2; G1PO1; G1PO3; G4PO3; G3PO5. C4: G3PO1; G8PO1, G8PO6. [Social Studies](#) 2SS-R2, F2, E6, E7, D2

Hydrology

The quality of water in an ecosystem is a good indicator of the quality of life. Learn first-hand how scientists study water by collecting water samples and taking scientific water quality measurements. Types of test performed depend on grade level.

Linked to Arizona Academic Standards [Mathematics](#) 1M- R1, F2, E1, E6; 2M- R2, F1, F2, E1, P1, P2; 5M- F2; 6M-E1; [Science](#) S4: C1: G6PO1; S6: C3: G4PO1. [Social Studies](#) 3SS: F2PO5, E7PO6, P4PO3, D3PO6; 6SC: F1, E6, P5.



Observing Birds

Use spotting scopes, binoculars and field guides to strengthen your observation skills while learning how to identify common birds of the desert southwest.

Linked to Arizona Academic Standards - Science S4: C1: G1PO2, G1PO3; G2PO1; G4PO2; C2: G1PO2; C3: KPO1; C4: G3PO1, G8PO5, G8PO6.

Orienteering

A fun and practical way to explore the desert is through orienteering, or the use of map and compass to find your way. Learn how the Earth's natural magnetic field interacts with a compass and how wildlife relies on magnetic fields to navigate their way. Then, practice your skills on a custom made orienteering course.

Linked to Arizona Academic Standards – Mathematics 1M-E1, 2M-E1, 3M-P1, 4M-E1, 4M-E2, 5M-F3, 5M-F4, 5M-E1, 5M-E2, 5M-E3; [Science](#) SC04 S2C1, S3C1, S5C1, SC 4-8 S6C2, SC5-8 S2C1, S3C1, S5C1, S6C1, SCHS S2C1, S3C1, S5C1, S6C2; S6: C1: G3PO1, G7PO2. [Language Arts](#) R-F7, R-P1; [Health](#) 2PA-P5, 5PA-E3, 5PA-P1, 6PA-E3, 7PA-E3. [Social Studies](#): 3SS-F1, PO1, PO2, PO6; 3SS-F2, PO2; 3SS-E1, PO2, PO3; 3SS-E3, PO2; 3SS-E4, PO3; 3SS-D1, PO5; 6SC-E3.

Riparian and Desert Ecosystem Discovery

Explore the diversity of life in riparian and desert ecosystems through guided, hands-on exploration. Use binoculars and hand-lenses to make observations and work as a class to understand the interrelationships between plants and animals and the environment.

Linked to Arizona Academic Standards [Science](#) S3:C3:HSPO1;S4:C1:G1PO2, G1PO3; G2PO1,G2PO3; G3PO1;G4PO2;G6PO1;HSPO4; C2:G3PO2;C3:KPO1,KPO2 G1PO1,G1PO3;G3PO1,G3PO3,G3PO4,G3PO5; G4PO1,G4PO3;G6PO1,G6PO2;G7PO1, G7PO2,G7PO3,G7PO6; C4:G3PO1; G4PO1, G4PO2;G8PO1,G8PO6. [Language Arts](#) R-R3,R4,F1,F3,F7,E2;W-R1, F3, F4; LS-R2-R5, F1-F3,E2;VP-R3. [Social Studies](#) 3SS-P4,P5;4SC- F4, F7,E7,P4,P6.



Agua Caliente History Day Thursday, February 14, 2008

Arizona history as it relates to historic Agua Caliente Park comes to life through interactive demonstrations and hands-on activities. Enjoy a day of activities focused on different periods of Arizona's past and conclude with an interactive timeline. This event is geared towards 4th grade classes studying Arizona History. Registration required.

Linked to Arizona Academic Standards – Social Studies - History – 3SS-E2-PO4, PO1

Geology of the Tucson Mountains

The geology of the Tucson Mountains is often described as chaotic due to the hodge-podge of geologic features seen today. Explore some of these dramatic features to understand how the Tucson Mountains and the Tucson Basin was formed. This field trip involves relatively easy hiking over desert terrain. Group size is limited.

Linked to Arizona Academic Standards – Science: S6C1G7PO1, PO2, PO3, PO4; S6C2G7PO1, PO2, PO3, PO5. [Social Studies:](#) 3SS-E4PO3, PO5, PO6; 6SC-E4, 6SC-P4



Experiencing Nature through the Senses

Focus your keen senses of hearing, taste, touch, sight, and smell to explore the desert. The creative use of animal pelts, skull replicas, tracks, sounds and botanical preparations will be sure to excite all your senses. Then, practice nature journaling as a way to record your observations and express your experiences.

Linked to Arizona Academic Standards [Science](#) S4: C1-G1PO2, G2PO1,G4PO2, KPO3; C2-G1PO2,G2PO2; C3-KPO1,G1PO1, G1PO3,G3PO1,G7PO2, G7PO3; C4-G8PO5

Earthkeepers

4th and 5th grade students and teachers are immersed in a unique 2½-day experience at Agua Caliente Park to complete the Earthkeepers Level

I training. The principle objective for this internationally-acclaimed program is to produce students who possess some basic ecological understandings and appreciation for the earth and its life. Earthkeepers requires classroom work, homework, and 2½ school days at Agua Caliente Park.

Linked to Arizona Academic Standards – Science S4: C3: G4PO1, G4PO3, G4PO4; G6PO1, G6PO2. [Social Studies](#) 6SC-E4

Earth Day at Agua Caliente Park Tuesday, April 22, 2008

This annual event offers a variety of hands-on activities for 3rd through 6th grade classes. Enjoy six, 30-minute sessions and learn about ecological awareness, wildlife conservation, local water issues, recycling, nature art and much more. Reservations are required and can be made starting March 24, 2008.

