



Connecting FOSS to Northern Arizona

INVESTIGATION 1:

Consider a wider exploration at the end of the unit, and smaller, walking trips to reinforce concepts during the unit, and for extensions of investigations and experiments.

To study water and slopes...any canyon country, City Pond, Pumphouse Wash and Kachina Village Wetlands, particularly Wupatki or Walnut Canyon, Mount Elden could be a great one, including the Spring, Old Town Spring:

Field Activities: Watering Hole Game (contact RCEE 928-779-1745), look for evidence of erosion caused by human impacts or grazing, other resource extraction activities, compare water samples from Pumphouse, the City Pond, and tap water

Resource Center for Environmental Education:

RCEE: Glo Edwards and Mary Layman.

928-779-1745

Glo_Edwards@msn.com

www.nrcd.org/coconino/RCEE.htm

In-school and off-site (field trip) programs.

Free and purchasable materials: Posters, curriculum materials and information.

Grants/funding: Offer assistance to teachers writing grants for environmental projects. The RCEE and the Coconino NRCED offer scholarships for teachers to attend workshops.

An organization that will lead field trips and do presentations for your class.

Possible field trips:

Griffith Springs

Wupatki

Walnut Canyon

Marshall Pond

Pumphouse Wash and Kachina Village Wetlands

Mount Elden Environmental Study Area

Old Town Spring

Hart Prairie Preserve



Connecting FOSS to Northern Arizona

Arboretum of Flagstaff: Steve Yoder or Nancy Nahstoll
928-774-1442

arbor@flagstaff.az.us

www.thearb.org

A good place for field trips: Wetland habitat (3rd)
Take Rt. 66 West, pass Woodlands Village Road, keep going until you see Woody Mountain Campground. Big brown sign on right, take a left onto Woody Mountain Road. Follow the road for 4 miles of gravel. Arboretum is on the right.

City of Flag: water conservation

NAU Biology Department: 928-523-2381

There are pond studies going on at KV, probably at the City Pond, and I heard there were some bird studies at City Pond (last year). This ties into School to Work stuff

AZ State Parks—Northern region: Barbie Hart

928-282-2202

bhart@pr.state.az.us

www.pr.state.az.us

Off-site (field trip) programs: water, riparian habitat, ecology.

Check-out materials: Water Quality testing kit (elementary level)

Grand Canyon Youth: Melissa Jurgensen and Jon Hirsh
928-773-7921

Off-site programs: River trips down the San Juan and Colorado Rivers, themes focusing on geology, ecology, and anthropology of San Juan and Colorado Rivers, low impact camping, youth community involvement and youth team building.

Grand Canyon National Park: Jacob Fillion

928-638-7776

Jacob_Fillion@nps.gov

www.nps.gov/grca/education/

On-site programs only. Junior Ranger program and Dynamic Earth program.

Free and purchasable materials: Teacher packets.

Dynamic earth program (4-8), 4 hours long. Dynamic Earth is offered Tuesdays, Thursdays and Fridays during the school year; it begins at 9:00 a.m. and finishes at approximately 1:00 p.m.



Connecting FOSS to Northern Arizona

GCNP cont'd:

Program size is limited to 40 people, this includes a minimum of five chaperones. Educational groups participating in park environmental education programs will not be required to pay an entrance fee for the park.

United States Geological Survey: Sue Priest

928-556-7148

spriest@usgs.gov

www.flag.wr.usgs.gov

On-site, and in-school programs with applicable themes:
Surface and ground water

Grand Canyon Field Institute: Jan Koons 928-638-2481

jkoons@grandcanyon.org

www.grandcanyon.org/fieldinstitute

On-site and off-site programs. Free and purchasable materials.

Traveling trunk program: "Colorado River Ecology

Museum of Northern Arizona: Rachel Edelstein

928-774-5211 ext. 241

redelstein@mna.mus.az.us

www.musnaz.org

On-site, in-school and off-site programs:

Docent-led tours:

Nature Trail and Pond Ecology (2nd-8th grade)

Math in Nature: "Pineapples to Bellybuttons" (4th – 8th grade) 1-1.5 Hours

Fine Arts (2nd - 12th grade) 1-2 hours

Marshall Lake Ranger-led Tour: www.asgfd.com

AZ Game and Fish: Bill Watt and Chuck Benedict

928-774-5045

bwatt@gf.state.az.us

Busiest months: February through May and August through November

Slowest months: December through January

In-school programs: during the Flagstaff Festival of Science

Off-site programs (field trips): Various

Free or Purchasable Materials: Yes

Check-out Materials: Bone Box, Bear Box, Bighorn Sheep Box, Neotropical Migratory Bird Box, Bat Box, Raptor Box



Connecting FOSS to
Northern Arizona

AZ Game & Fish cont'd:

Grants/Funding/Donations/Scholarships: Heritage grants for environmental education and schoolyard habitat development: Due last working day of November each year.

Kachina Wetlands: Go South on I-17, take the Kachina Village exit. Make a right at the stop sign, then a rapid right on the first street (right across from the gas station). Take that road all the way up to the top, turn into the water treatment plant's parking area. Explore the Kachina Village's wastewater wetlands: lots of birds, native plants, nice views. (Don't let the students play in the water)

Flagstaff Marshall School Pond Program:

www.nrcd.org/coconino/RCEE.htm

Resource Center for Environmental Education:

Glo Edwards and Mary Balagna

928-779-1745 / glo_edwards@msn.com

Busiest months: August through May

Slowest months: June and July

Pumphouse Wash and Kachina Wetlands Program:

<http://www.nrcd.org/coconino/rcee/main.html>

Resource Center for Environmental Education:

Glo Edwards and Mary Balagna

928-779-1745 / glo_edwards@msn.com

Busiest months: August through May

Slowest months: June and July

Water Treatment Plant:

Lake Mary Reservoir: 928-776-0262

Rio de Flag Facility: 928-556-1301

Page Springs Hatchery:

928-634-4805

Sterling Springs Hatchery:

928-282-3643