



K-12 Student Contributions to the CAP LTER Project

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- Students participate by:**
- Surveying local bird populations
 - Surveying local insect populations
 - Ground Arthropods & Bruchid Beetles
 - Surveying local plant diversity



Classroom Support
 Presentations
 Field tips
 Provide resources
 Tech support
 Grant writing



Workshops for Teachers

- Insects in the Classroom
- Birds, Birds, Birds
- Introduction to Ecology Explorers
- Data Analysis and Technology
- Social Science: Surveys and More
- Ecology in the Schoolyard
- Mapping
- Exploring Plants (New this year!)



Two Week Summer Internships at ASU

- Teachers work with Education Liaisons to:
- Learn ways to incorporate research into their curriculum and meet the state standards
 - Develop lesson plans for their classrooms

Urbanization and Insects

- Teachers work with CAP LTER scientists to learn:
- How to collect and identify ground arthropods in their schoolyard
 - How to analyze insect data
 - What ASU scientists are discovering about local insects
 - How to study the effects of urbanization on insect populations

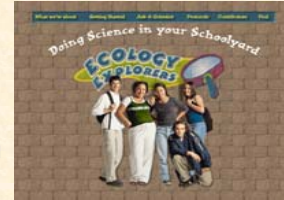


Bird Diversity and Urban Habitat

- Teachers work with CAP LTER scientists to learn:
- How to survey and identify plants and birds in their schoolyard
 - How to analyze plant and bird data



Web site
<http://caplter.asu.edu/explorers/>
 Each protocol and project clearly explained
 Data entry feature/retrieval feature
 PDF Teacher's Guides
 PDF Lesson Plans
 "Ask a Scientist"
 "Meet the Scientist"
 Kid's Newsletter
 Resource Page
 Arthropod Simulation
 Bird Identification Interactive
 Soon...Land Use Exploration



New Projects

BDI

*Making data more accessible to students and teachers

Ag Trans

*Exploration of the agricultural-urban interface

Land Use Protocol

*Using various techniques to look at land use changes in the Valley over the past 30 years



Community Outreach

SEE ASU
 Valley Forward EarthFest
 Gilbert Feather Friends
 Science Fairs

