

Little Shop of Physics

*University to K-12
Science Connections*



On the Road

- >200,000 K-12 students
- >20,000 CSU students
- >1,000 CSU student volunteers
- >50 CSU student employees



Teacher Workshops

- >2,000 K-12 teachers
- 13 states
- 6 countries
- CSU class
- Focus: Hands-on science instruction



On the Air

- 16 episodes to date
- Shown locally and statewide
- Marketed nationally
- Valuable partnership with PSD



Annual Open House

- 2006 was 16th annual event
- We expect 3000-5000 attendees
- 200 hands-on experiments
- 7 interactive presentations



LSOP Role in MMAP

Goals

Improvement of K-12
Science Education

Educate teachers, students,
public about MMAP

Recruitment and retention,
diversity

Connections: University,
K-12, public

Assessment

Practical Details

We already have a vehicle for
working with teachers, students

We have experience explaining
complex science to a wide audience

We visit a wide geographic range and
a very diverse population of students

The connections are already in
place.

Integrated plan for assessment of
all activities.

Content Focus

Current

Science is a way of knowing, not a body of facts.

Basic physics concepts: motion, energy, light

Emphasis on simple, easily duplicated hands-on experiments

The science of everyday, common objects and phenomena

Future Directions

A key feature of science is creating simple models to explain complex phenomena.

Topical themes for programs & workshops:
Making models, Clouds and weather

Emphasis on simple, easily duplicated experiments and observations

The science of everyday, common phenomena and objects