

## The NSF GK-12 project at SUNY-ESF:

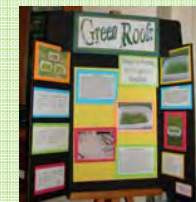
Nine graduate Fellows infuse scientific research and inquiry-based learning into urban, suburban and rural NY high schools offering the college-level Global Environment course offered through the *ESF in the High School Program*. In 2008-09 the project engaged 500 students in 25 high schools in New York State. Over 1800 students were reached through school-based and community outreach.

### Course goals are to:

1. Teach students about the scientific process.
2. Introduce students to environmental issues including human population growth, sustainability, biodiversity, energy, and stewardship.



## 3. EXPLAIN



## 2. EXPLORE



## 1. ENGAGE



### How it works:

- GK-12 Fellows **ENGAGE** local high school students in the scientific method and research process.
- Students **EXPLORE** the research process by developing independent, year-long research projects.
- The program culminates at the “Environmental Summit,” a conference-style event on the SUNY-ESF campus, where students **EXPLAIN** their research results to their peers, Fellows, teachers and college faculty.
- Evaluation of previous NSF GK12 projects at ESF found 65% of students from schools with dedicated Fellows completed full research projects and 21% finished partial research projects. Schools without Fellows did not complete any research projects.