The TOPS Program

Goals
- Teacher Training
- Student Training
- Awareness of Science & Culture in Hawaii

Program Essentials
- Lectures
- Hands on activity
- Field Trips
- Observing

Oahu (3 dy; teachers);
Big Island (2 wks; all).
Hands On & Lectures

- IRTF Remote Observing
- Discussion; NASA Scientists
- Mirror Making
- Hands on Astrobiology
- Learning the Night Sky
Nighttime Observing

- Beginner to Advanced Projects
- Student & Teacher Teams
- Discussion Groups
- Project Presentations
- Scientific Investigation Skills
Observing Projects

- Variable Stars & Messier Hunt
- Lunar & Deep Sky Photography
- Photometry
- CCD Imaging
- Spectroscopy
Culture & Astronomy

- Exploring Cultural Heritage
- Learning practical Skills
- Engaging in frontline research

Learning Surveying

Kukaniloko calendar

Polynesian Voyaging
TOPS Results

- Teacher Presentations at HaSTA, HSTA
- IfA Openhouse Participation
- Planetarium Shows
- Astronomy Course Development
- Student Science Fair Projects
- Joint AAVSO Mtg 7/02 – Big Island
- Community Connections
Outreach Interconnections

Culture
- Hawaiian Astron
- Pacific Cultures
- Lakota Indians

Collaborations
- AAVSO
- NASA Astrobiology
- Taiwan / Remote
- Space Missions

HST Curric

TOPS

Faulkes

IFA

Outside Community
- TOPS Followup
- Open House
- Public Speaking

Education
- School Reform
- Science Fair
- Student Careers

Research

IfA Outreach

Grad Pgm