




TOPS Program

Astronomy & Culture Outreach

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The TOPS Program

Program Essentials

- Lectures
- Hands on activity
- Field Trips
- Observing

Goals

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

Oahu (3 dy; teachers);
Big Island (2 wks; all).

Hands On & Lectures



IRTF Remote Observing



Mirror Making



Discussion: NASA Scientists





Learning the Night Sky



Hands on Astronomy

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



Learning Surveying




Kukanihiko calendar



Polynesian Voyaging

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

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

