Research in Optics for K-14 Educators and Teachers (ROKET)

WHAT: 6-week Summer Research/Curriculum Development Program
WHERE: The University of Arizona, Tucson
WHEN: June 6 - July 15, 2011

Program details, alumni projects, and applications: http://cian-erc.org/teachers.cfm

“...issues of language, culture and identity are absolutely central to my students’ academic success, central to their development as people, and central to the survival and invigoration of their tribe. Connecting science content to these topics is essential for making science relevant and accessible. But more than that, culture and context are vitally important... Often they seem worlds apart from the typical science classroom, but they can and must be brought together.” - ROKET alumni

TEACHER BENEFITS
- Earn UA credit in AILDI course “Science Curriculum in Native American Education” by Dr. Gregory Cajete
- Create an original engineering lesson plan that is culturally relevant to Native American students
- Do research in world-class UA optics lab
- Supply budget of $2,000 for laboratory supplies and classroom demo materials
- $5,400 stipend

ELIGIBILITY
- Working in a school that primarily serves Native American students AND
- K-12 teachers/community college faculty in scientific discipline interested in increasing their knowledge of scientific research and bringing to their classrooms advanced information about optics, electronics, physics, materials science, and engineering

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