

AFFILIATE MEMBERS:

Air Force Research Lab
AMSAT
Arizona Aerospace Foundation:
Challenger Learning Center
Pima Air & Space Museum
Titan Missile Museum
Arizona Near Space Research
Boeing Commercial Airplane Group
Diné College
Dynamic Labs L.L.C.
Edwards AFB-AFRL
Embry-Riddle Aeronautical University
Honeywell, Inc.
Indigenous Education Institute
Jet Propulsion Laboratory
Johnson Space Center
Lockheed Martin Missiles and Space Operations
Lockheed Martin Tactical Defense Systems
National Optical Astronomy Observatories
National Undergrad Research Observatory
PM & MA Research
Paragon Space Development Corporation
Pima Community College
Planetary Sciences Institute
Raytheon Corporation
Rincon Research
Shonto Preparatory School
SunCat Solar
Tuba City Boarding School
University of California, Los Angeles

Photo 1: UA Undergraduate Research Intern Tiffany House studied ice cores from Greenland to better understand global climate change.

Photo 2: Adam Nanouk traveled from his home on the Arctic circle to attend *Stargazer*, a summer physics/astronomy workshop for Native American high school students at NAU.

Photo 3. UA Graduate Fellow Jake Weltzin developed and taught an interactive field ecology class for Southern Arizona home and public school students.

Photo 4. Each year teams of ASU Space Grant students and their mentors from industry, design and build a vehicle to compete in NASA's Great Moon Buggy Race.

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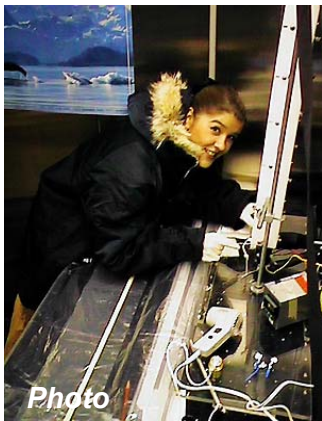
Arizona Space Grant Consortium:



**Committed To
Improving Science
Education
At All Levels**

THE ARIZONA SPACE GRANT CONSORTIUM has as its nucleus members the three State Universities: The University of Arizona, Arizona State University, and Northern Arizona University. Members work in partnership with 25 research, outreach, education, industry and military affiliates, to direct Arizona's substantial education and research commitment, expertise, and outstanding facilities in space sciences and engineering, to improving science education at all levels. NASA baseline funding of \$475,000 is highly leveraged with non-federal dollars, bringing \$1,000,000 or more to Arizona student-directed programs yearly. In the 1999 10-year program review mandated by Congress, Arizona's was ranked #2 of 52 Space Grant Programs.

→HIGHER EDUCATION: From 1994-2002, 999 undergraduate students have participated in mentor-guided research internships in leading-edge scientific programs. A great enhancement



Photo

to an education, internships contribute to the development of a technically informed, aware and sensitive citizenry--essential to the success of U.S. space

endeavors as well as to broader national priorities. 151 graduate students have received fellowships, propelling them towards careers in America's technical work force. 23% are from groups traditionally underrepresented in science and technical fields; 40% are women.

→PRECOLLEGE EDUCATION:



Photo 2

AZSGC supports initiatives to improve science education, encourage underrepresented populations into science and engineering, and encourage professionals and students to undertake public

and school outreach. A major thrust is to bring science and leading-edge educational technology to under-served Native American populations and to fund mini-grants for innovative science, math and technology programs across Arizona.

→GENERAL PUBLIC EDUCATION:

Members sponsor activities to stimulate interest in aerospace, science, and lifelong learning with formal and informal outreach affiliates: the Arizona Aerospace Foundation's Pima Air and Space Museum, the Challenger Learning Center, and the University of Arizona's Flandrau Planetarium/Science

Center. Arizona ranchers, land managers and planners receive the benefits of NASA technology through a Geospatial Extension Specialist program sponsored in partnership with Arizona Cooperative Extension.



Photo 3

SPACE GRANT WORKS: Graduates have entered the scientific/technical work force with McDonnell-Douglas, Boeing, Hughes, Honeywell, Motorola, TRW, Ratheon, Lockheed-Martin, and JPL, etc. Others have been launched into careers in primary, secondary and higher education and science journalism.



Photo 4