

The South Dakota Space Grant Consortium

The Affiliate

Space Grant Fits with 2010 Education Initiatives

THE NEW SPACE GRANT WEBSITE

<http://sdspacegrant.sdsmt.edu>

- Ready for review on June 1st.
- Easy to use headings and links.
- Better access to scholarship and funding opportunities.
- Uniformity with other state consortiums.
- List all summer 2007 activities.
- Provides access to 2006-2007 progress reports.

The South Dakota Space Grant Consortium (SDSGC) has been and will continue to assist with fulfilling the goals of Governor Rounds 2010 education initiatives. This will be accomplished through generous and competitive scholarship and fellowship program, technology training for teachers, summer education workshops and continued support for specialized scientific projects at all levels of education.

In addition to a number of programs that strengthen the overall experience of students statewide, SDSGC also supports workforce development that enhance South Dakota's technologically based

fields. Internships both in state and at NASA centers and aerospace industries nationwide offer students experiences in cutting edge technologies in space exploration, engineering aviation and aeronautics technologies.

In the last two years, the South Dakota Space Grant Consortium issued over 280,000\$ in scholarships to 60 students at 7 different instate institutions. 2010 initiatives also stress continued opportunities for Native American students. SDSGC responded with 7 awards to Native students, four of whom attend tribal colleges. In coordination with Francis Indian School,



SDSGC enhances K-12 education for underrepresented Native American students through a college preparation program.

Science teaching and learning should empower children to feel confident that what they already know is an excellent starting point for all that they will learn.

SDSGC Welcomes New Management Team Members

On Friday April 20th the South Dakota Space Grant Consortium Management Team met to discuss two open management team positions with 2 year terms.

The SCSGC would like to welcome:

Diane Melvin, Education Director, The Journey Museum, Rapid City, SD & Chris Rossing, Director, Kirby Science Discovery Center, Washington Pavilion of Arts and Sciences, Sioux Falls, SD.

Also, due to consistent excellent-

contributions to the Consortium and statewide education efforts, Kristie Maher and the SD Discovery Center and Aquarium have been granted a permanent seat on the management Team.

The South Dakota NASA EPSCoR Program was initiated in September 2001. The State program consists of the core grant and two research projects designed to enhance NASA related research in earth system science and to develop the State's infrastructure for research and technology-based economic development.

EPSCoR States



South Dakota NASA EPSCoR Program receives new infrastructure development grant

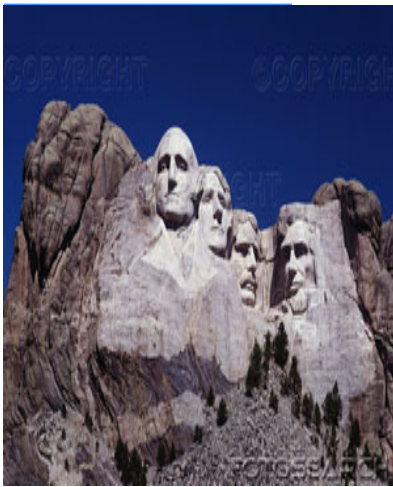
South Dakota NASA EPSCoR received \$375,000 from NASA to fund the core operation of its Research Infrastructure Development program. The award provides \$125,000 per year for the period May 30, 2007 through May 29, 2010.

This program to build research infrastructure within the state will allow SD to capitalize on the exciting research environment in the

state and to further promote technology development that aligns with NASA's strategic goals.

The four main components of the new program are: 1) research seed grants, 2) travel grants to NASA Centers, 3) Tribal College coordination programs, and 4) statewide coordination and planning meetings.

Opportunities to participate in these activities are restricted to SDSGC organizations, and will be announced through the SDSGC affiliate contacts at SDSGC organizations.



South Dakota NASA EPSCoR Awards Research Seed Grants

Nine research groups at Board of Regents institutions have been awarded seed grants totaling \$129,617 from the South Dakota NASA EPSCoR Program.

The purpose of the seed grants is to strengthen research collaborations between the state's universities and NASA's 10 Field Re-

search Centers.

Additional support includes \$16,442 for travel to NASA Centers and graduate fellowships.

The nine funded projects were selected from 12 proposals that were reviewed in October and 12 more that were reviewed in March.

During summer 2007, the South Dakota NASA EPSCoR Steering Committee will solicit and review proposals for NASA EPSCoR major research awards that will compete for three-year funding at \$250,000 per year.



Grant winners **Karen Gordon** and **Mary Frederick** (Mickelson Middle School, Brookings, SD) and **Dr. Edward Duke** (Director, SD Space Grant Consortium)

Kelly Lane Earth and Space Science Grant

This \$5,000 grant provided by the SD Space Grant Consortium will be awarded annually to a select science or math teacher in South Dakota to enhance professional development. The 2006 winner was announced in February at the joint conferences of

the SD Science Teachers Association and SD Council of Teachers of Mathematics in Huron, SD. This year the grant was awarded to Karen Gordon and Mary Fredrick (pictured) of Brookings.

The project calls for middle

school students to sample and track landfill soils for both environmental and public health factors. The project, while it challenges young scientific minds, also contributes to community environmental efforts.

Space Days 2007, October 18–19th The Kirby Science and Discovery Center, The Washington Pavilion

The dates, time and location have now been set for Space Days 2007. As you can see from the headline this year we will be at The Kirby Science and Discovery Center at The Washington Pavilion: October 18–19th, 2007.

While we are still finalizing speakers, displays and activities, please mark your calendar and be ready to see South Dakota's students get excited about sci-

ence and space exploration.

If you are interest in being a part of Space Days 2007 with a booth, an activity, or as a guest speaker, please contact:

Christopher T. Curro
Program Supervisor, Kirby Science Discovery Center
Washington Pavilion of Arts and Science
Office: (605) 731-2372
ccurro@washingtonpavilion.org

Your planning assistance, program ideas or any contributions to this exciting part of science education in South Dakota are always appreciated .

We hope to see everyone there!



Students enjoying Space Days 2006. "The Moon, Mars and Beyond"

ACE CAMP 2007

Aerospace Career and Education (ACE) Camp 2007 will run from July 15th—19th this summer. ACE camp is open to all high school students and students entering the 9th grade in the fall.

The week enables students to make more informed decisions about careers in aerospace, aviation, and related careers.

Given great feedback from last year's campers, this year's activities will be arranged in a way that is sure to keep the young aviator engaged and excited about learning.

We are planning an Air National Guard tour, two hours of flight instruction, time in a flight simulator, and, of course, our very own model rocket launch.

For more information regarding ACE camp or to sponsor a camper in need, please contact:

The Engineering Resource Center, South Dakota State University, 605-688-4184.



SD Discovery Center a hub of Summer Activity

Teaching the science teacher is always the summer theme at the SD Discovery Center, and this year is no exception. This year the Center will be offering:

- Great Explorations in Math and Science (GEMS) and NASA Earth and Space

Science Workshop, Tuesday June 12th and Wednesday June 13th.

- Inventing to Learn, Tuesday June 20 and Wednesday June 21st.

- Lego Robotics workshop. The next generation in educational robotics. July 19th and 20th, 8—5pm.

For further information or to refer an educator please see:

www.sd-discovery.com



Kids Enjoy The Discovery Centers Summer Programs.

501 E. St. Joseph Street
Rapid City, SD 57701-3995

Phone: (605) 394-2388
Fax: (605) 394-5360



The vision of the South Dakota Space Grant Consortium (SDSGC) is to expand opportunities for all South Dakotans through education, research, and public service in the fields of aerospace, earth, and space science. As the link between NASA and the citizens of South Dakota, SDSGC's mission is to instill the spirit of exploration and discovery in students and educators and in the general public, with a special focus on the fields of science, technology, engineering, and mathematics that are essential for the development of the nation's workforce.

Enhancing the capabilities for space-, earth-, and aeronautic-related education, research, and economic enterprise in South Dakota

<http://sdspacegrant.sdsmt.edu>

More Summer Program Information

In addition to The SD Discovery Center in Pierre offering NASA teach the teacher opportunities, The Journey Museum in Rapid City will also offer programs.

- July 9th—10th, NASA Teachers Academy.
- July 11th—13th, NASA Lego Robotics Training.

For more information go to:
www.journeymuseum.org

Summer educational programs for students of varying ages and grade levels will also be offered at South Dakota School of Mines and Technology.

- A walk Through Space, June 26th, 6th to 8th grade 9—11am: 3rd to 5th grade 1—3pm.
- Space Adventures! Camp, July 22—27th for grades 6th through 8th: July 29th to August 3rd for 9th to 12th grade.

Please call 605-394-2693 for information and registration.



National Aeronautics
and Space Administration