

## 1. STEM Education Budget request

While over 100 STEM programs are administered by over a dozen different federal agencies, the bulk of the support is through the NSF and Department of Education.

The president's "cradle-to-career" strategy to accelerate student achievement is behind this.

### **Dept of Education Highlights (up 4.3%):**

Effective Teaching and Learning for a Complete Education: Science Technology, Engineering and Mathematics (formerly Math and Science partnerships); Teacher and Leader pathways Program; Investing in Innovation (i3); APRA-ED.

### **National Science Foundation:**

K-12 Programs: down 15.1%

Undergraduate Programs: up 8.8%

Graduate and Professional Programs: up 12.7%

Outreach and Informal Education Programs: up 0.9 percent%

New programs: Widening Implementation and Demonstration of Evidence-based Reforms (WIDER); Teacher Learning for the Future (TLF); Transforming Broadening Participation through STEM (TBPS)

(Noyce and MSP are being reduced and transitioned into the TLF program)

## 2. Homeland Security Awards

Nominations for the 2011 Homeland Security Awards are now being accepted online only at:

[www.ccolumbusfoundationawards.org](http://www.ccolumbusfoundationawards.org)

four \$25,000 awards, one in each in the following fields:

- 1) Biological, Radiological, Nuclear, Chemical and Explosive Attacks;
- 2) Border and Transportation Security;
- 3) Cyber Security and Information Sharing; and
- 4) Emergency Response to Natural and Man-Made Disasters. Please visit the website above for Competition Rules and Regulations. The Nomination deadline is: **Tuesday, June 14, 2011.**

## 3. New College Science Prize

The *Science* prize for Inquiry-Based Instruction to highlight outstanding modules for teaching introductory college science has been

established. It should require 8-50 hours of student effort. If you are nominating your own module, please use the [application form](#).

**Applications are due by 15 April, 2011.**

If you are nominating someone else's module, please use the [external nomination form](#).

**Science will then send the application form to the person you nominate. External nominations are due by 28 February, 2011.**

<http://scim.ag/inquiryprize>

## 4. 2012 Edith and Peter O'Donnell Awards

Call for nominations in the areas of Medicine, Engineering, Science and Technology Innovation <http://www.tamest.org/>

Please note that this activity is being coordinated through the Office of the VP for research. Please notify Michael San Francisco if you wish to promote a candidate by **February 25, 2011**

## 5. National Science Foundation Dear Colleague letter request (NSF 11-022)

Science Engineering, Education and Sustainability (SEES) is expected to be a 5-year effort, extending through FY15. SEES research investments in FY11 are expected to include a broad array of research in the area of sustainable energy, such as: novel energy storage schemas; ecosystem impacts of energy technologies; improving the efficiency and yield of established sustainable energy systems, e.g. wind, solar; and the discovery and development of novel energy sources, e.g. biofuels, ocean/kinetic power. Energy-intelligent computational performance in computer and network systems, the use of information technology in smart sensing systems that have promise to save energy, and energy efficiency in manufacturing and materials will also be important emphases.

Please contact the OVPR if you would like more information.

<http://www.nsf.gov/geo/sees/>

## **6. [Basic Research to Enable Agricultural Development \(BREAD\) Program](#)**

[NSF announces a Wiki](#) to facilitate communication among potential international partners for new collaborative projects for the [Basic Research to Enable Agricultural Development \(BREAD\) Program](#), which will be competed again in FY 2012. *(In our workshops and seminars, we frequently discuss the importance of preparing in advance for funding opportunities and becoming part of the community of researchers and program officers around a particular opportunity or program. This is a great example of the kind of advance work that can give you the background knowledge to prepare a more competitive proposal.)*

## **7. [TTU-TTUHSC System Cancer Symposium](#)**

Cancer researchers from the Lubbock, El Paso, Abilene and Amarillo campuses will share their research and plan for the future at an annual cancer research symposium to be held and hosted by the TTUHSC in Amarillo from **April 29-31, 2011**. Nobel laureate Dr. Al Gilman will present the keynote address.