

Announcing the 2011-2012 ...

Governor's THOMAS EDISON Awards for Excellence in Student Research and for Excellence in STEM Education



Supported by a grant to The Ohio Academy of Science
from The Technology Division of the Ohio Department of Development.

First established under Gov. Celeste's Administration in 1985, the program of Governor's Awards for Excellence in Student Research is now called the Governor's Thomas Edison Awards for Excellence in Student Research and in STEM Education to reflect the direct involvement of the Edison Technology Centers <http://www.development.ohio.gov/technology/edison/tiedc.htm> as was conceived originally. The Technology Division of the Ohio Department of Development will task specific centers with the job of recruiting judges for student awards at State Science Day.

Local and District Science Days:

Local science day directors **must request** a free packet of student award certificates in grades 5-12. Please email oesresponse@iwaynet.net with name and full mailing address. Use ONLY these categories:

- Advanced or Alternative Energy
- Advanced Materials
- Agriculture and Food Technology
- Biotechnology and Biomedical technologies
- Environmental Sciences
- Information Technology

State Science Day:

Advanced or Alternative Energy

College Scholarships (grades 10 -12)	\$2,500
1 st place: \$1,250	
2 nd place: \$750	
3 rd place: \$500	

Advanced Materials

College Scholarships (grades 10 -12)	\$2,500
1 st place: \$1,250	
2 nd place: \$750	
3 rd place: \$500	

Biotechnology and Biomedical Technologies

College Scholarships (grades 10 -12)	\$2,500
1 st place: \$1,250	
2 nd place: \$750	
3 rd place: \$500	

Information Technology

College Scholarships (grades 10 -12)	\$2,500
1 st place: \$1,250	
2 nd place: \$750	
3 rd place: \$500	

School and Teacher Awards

Award certificates will be mailed to school principals.

What is STEM Education? *STEM Education is both the **mastery** and **integration** of Science, Technology, Engineering and Mathematics for all PK-12 students. It incorporates scientific inquiry and technological design through student-focused, project-based curricula to develop skills of communication, teamwork/collaboration, creativity/innovation, critical thinking, and problem solving.*

Criteria for the Governor's Thomas Edison Awards for Excellence in STEM Education for schools and teachers:

1. Conduct a local science fair with 20 or more students.
2. Send one or more of these students to one of the Academy's 15 district science days.
3. Students from the school have participated in at least one more youth science opportunity beyond the classroom: State Science Day, Regional Science and Engineering Fairs, Intel Science Talent Search, Intel International Science & Engineering Fair, MATHCOUNTS, JSHS, B-WISER Camp, the Academy's Annual Meeting, Engineer-for-a-Day Program, JETS/TEAMS, OM, Physics Olympics, Science Olympiad, Siemens-Westinghouse, or other structured, STEM-related youth activities at museums and nature centers, extensive field experiences, and mentorships in colleges and industries. See <http://www.careercornerstone.org/pcprogproj.htm>
4. The principal must write a letter that lists the teacher or teaching team most responsible for student participation in these activities.
5. DOCUMENTATION may include copies of certificates that your students received for participating in an activity, press clippings, copies of relevant pages of local, district, or State Science Day programs or copies of acceptance or confirmation letters for activities.
6. * Provide a maximum two page summary description (omit needless words) with attached documentation as to how and to what extent the school's program(s) meet(s) the Academy's definition of STEM education. See above **What is STEM Education?**
7. Send the cover letter from the principal with a two-page summary and **DOCUMENTATION** Please use a single stable in the upper left of the entire package if possible. Do NOT otherwise bind or use notebooks. Mail **four (4)** complete application packages **postmarked by June 20, 2012** to:

Dr. Lynn E. Elfner, CEO
The Ohio Academy of Science
1500 W. 3rd Avenue, Suite 228
Columbus, Ohio 43212-2817
Office - 614-488-2228
FAX - 614-488-7629
Email Address - oas@iwaynet.net
www.ohiosci.org
Curiosity? Discovery. *Innovation!*

***This will be the most important item of the application package. To be competitive, applicants should spend *considerable time* writing this document.**