

FY2012 New & Ongoing Grants

| FY 2012 New Grants | | | | |
|--|---|--|---------------------------------|----------------------|
| Organization Name | Program Name | Program Description & Total Grant Amount | Amount Disbursed in 2012 | Year Approved |
| American University, School of Education, Teaching & Health | From the Lab Classroom (Lab2Class): Science Teacher Preparation Program | Offers an accelerated training process for midcareer scientists who want to shift into the teaching profession. Total Grant: \$499,799 | \$240,799 | 2012 |
| Colorado Seminary (University of Denver) | Kids Play Math | Expands the development, implementation, and teacher training for Kids Play Math, a bilingual, research-based computer game system designed to teach mathematics skills to children. Total Grant: \$499,545 | \$328,283 | 2012 |
| Mills College | Lesson Study | Trains elementary school teachers through an innovative Japanese teaching strategy to improve mathematics instruction. Total Grant: \$250,000 | \$150,000 | 2012 |
| California State University Bakersfield Foundation | Families for STEM | Aims to increase the number of students from diverse backgrounds who are entering and successfully graduating from STEM fields. Total Grant: \$184,600 | \$184,600 | 2012 |
| Mobile Area Education Foundation, Engaging Youth through Engineering (EYE) | EYE on STEM Leadership Academy | Trains STEM educators in southwest Alabama to expand and reform STEM curricula to additional schools. Total Grant: \$150,300 | \$150,300 | 2012 |
| Fremont Education Foundation | Education, Challenge, Inspire | Builds on the Foundation's efforts to provide math and algebra teaching kits for California teachers, as well as calculators and science lab equipment for fourth- through eighth-grade students. Total Grant: \$129,000 | \$129,000 | 2012 |
| American Indian Science and Engineering Society | Food for Thought – Feeding Young Minds with STEM Enrichment | Offers fun, interactive workshops to motivate and excite young students about science Total Grant: \$100,000 | \$100,000 | 2012 |

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| O'Neill Sea Odyssey | Community Oceanography Program | Provides 750 youth and 25 teachers with an ocean field trip, hands-on restoration projects and in-class curriculum to improve student understanding of ocean science and environmental conservation. <i>Total Grant: \$50,000</i> | \$50,000 | 2012 |
|-------------------------------|--|--|--------------------------|---------------|
| FY 2012 Ongoing Grants | | | | |
| Organization Name | Program Name | Program Description & Total Grant Amount | Amount Disbursed in 2012 | Year Approved |
| The Nature Conservancy | Leaders in Environmental Action for the Future (LEAF) | Provides students with real world, paid summer internships in the conservation field. TNC will further the existing partnership model in New York to schools in urban areas across the nation, ultimately serving over 17,000 students. <i>Total Grant: \$3,100,000</i> | \$1,800,000 | 2011 |
| Red Cloud Indian School | Empowering Lakota Students With a Strong Science Education: Unci Maka Unglahapi Tokatakiya Wocoicage Unkablezapi (Keepers of Grandmother Earth, we look to the future generations) | Empowers Lakota students with a strong science education by enhancing its science equipment, curriculum, and facilities so that students have the same opportunities as their peers across the country. <i>Total Grant: \$420,000</i> | \$140,000 | 2011 |
| Groundwork, Inc. | Math and Science Enrichment Program | Assists hundreds of students across New York City improve their math and science performance and participate in literacy instruction, homework assistance, service learning and field trips. <i>Total Grant: \$375,000</i> | \$125,000 | 2011 |
| Thomas More College | Thomas More STEMS Initiative (TSI): Science, Technology, Engineering, and Mathematics Student Initiative | Improves student outcomes in the STEM disciplines at the high school level, and recruits more students into STEM majors in college. <i>Total Grant: \$360,000</i> | \$120,000 | 2011 |

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| College Entrance Examination Board (The College Board) | AP STEM Innovation | Supports the educational success of high-need students by enabling districts and schools to supply Advanced Placement (AP) STEM teachers trained to help a diverse population of students succeed in rigorous AP coursework. <i>Total Grant: \$350,000</i> | \$175,000 | 2011 |
| SAE International | A World In Motion (AWIM) Science, Technology, Engineering, and Mathematics Education Experience | Brings together teachers, students, and professionals to introduce young minds to the wonders of STEM subjects and careers. <i>Total Grant: \$300,000</i> | \$100,000 | 2011 |
| Breakthrough Collaborative | Breakthrough STEM Initiative | Helps underserved students to succeed in math and lab-based sciences, and strengthen teacher training in science instruction and college-prep mathematics. <i>Total Grant: \$225,000</i> | \$75,000 | 2011 |
| California State Park Foundation (CSPF) | Parks Online Resources for Teachers and Students (PORTS) | Connects California State Parks to the state's K-12 public schools by allowing state park interpreters to make presentations to classrooms from parks throughout the state via videoconferencing. The program also supplies supplemental study units that meet California's academic content standards. <i>Total Grant: \$558,844</i> | \$148,844 | 2010 |
| Black Rock Forest Consortium | The Virtual Forest Partnership | Develops middle school and high school modules for The Virtual Forest, a web-based application that allows students to draw on data sets and mathematical models embedded in a "virtual" simulation of Black Rock Forest to analyze environmental change. The grant money will also support training programs for science teachers and field work at the "real" Black Rock Forest. <i>Total Grant: \$500,000</i> | \$150,000 | 2010 |
| Western Kentucky University Foundation | Math and Technology Leadership Academy (MTLA) | Prepares kindergarten through 5 th grade students to succeed in math and technology beyond the baseline through providing intense math and technology professional development to teacher leaders. The program aims to increase access to math and technology opportunities to a diverse student population. <i>Total Grant: \$500,000</i> | \$100,000 | 2010 |

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| Rochester Institute of Technology | Relevant Education in Math and Science (REMS) | Utilizes real-world problems to make math and science fun and meaningful for students in grades 5-12, including a significant number of girls and underserved students. <i>Total Grant: \$420,000</i> | \$125,000 | 2010 |
| The New York Academy of Medicine | G.I.R.L.S. (Getting Into Real Life Science) and the Health Professions | Provides African-American, Hispanic, and Native American girls in New York City public schools, grades 7-9, with academic support, health and life skills development, health career exploration and mentoring experiences to help them pursue careers in the sciences, medicine, health and allied health professions. <i>Total Grant: \$400,000</i> | \$150,000 | 2010 |
| Bronx Institute at Lehman College | The ENLACE Latino Collegiate Society Program in Math and Science | Supports talented Latino students from The Bronx to enter select colleges and universities and prepare for STEM-related careers. <i>Total Grant: \$369,000</i> | \$134,500 | 2010 |
| University of Michigan | Family Reading and Science | Helps fund three hands-on family workshops at public library locations, with the purpose of increasing science literacy, fostering parental involvement in children's science learning, expanding access to museum and library resources, and stimulating life-long learning behaviors. <i>Total Grant: \$300,759</i> | \$100,253 | 2010 |
| Huron River Watershed Council | Develop River Stewards in High School Students | Allows high school students to evaluate the health of their local streams and present their results and concerns to their own communities. Grant money will also fund staff time, waders and testing equipment, school transportation to the stream and basic video equipment for the classrooms. <i>Total Grant: \$225,000</i> | \$75,000 | 2010 |
| 826michigan | After School Tutoring Program | Allows the organization to hire a new full-time staff member to run its after school tutoring program which takes place at its Ann Arbor site as well as at Ypsilanti Middle School. The new staff member will also oversee 826michigan's evening creative writing workshops and other activities. <i>Total Grant: \$100,000</i> | \$20,000 | 2010 |

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