CRS prepares and sends the Science Resource Guide three times a year to keep you apprised of science education happenings around the Bay. The guide includes information on: Professional Development, Program Deadlines, Grant Deadlines and Temporary Science Exhibits. Next issue—mid-May 2012.

**Save the Date for the next Field Trip for Teachers**

CRS and the East Bay Regional Parks invite you to gather with fellow teachers at the historic Lake Temescal Beach House on Tuesday, March 27 from 4:30:6:30p.m. Learn about EBRP school and teacher programs, participate in an activity with park naturalists, and enjoy a glass of wine and a light meal while networking with peers and enjoying this gem of an urban park. CRS science support staff will be available, along with book give-aways, door-prizes, and more.

**Please RSVP to crs@crscience.org for this FREE event.**

Information about Lake Temescal can be found at [http://www.ebparks.org/parks/temescal](http://www.ebparks.org/parks/temescal)

**The CRS Science Super Star Challenge**

Free school-wide assemblies, science-related book sets, activity kits, and museum passes are just some of the amazing prizes we’ve collected for the participants who complete the CRS Science Super Star Challenge. Please send us a quick email to let us know if your class or school is on track to complete the challenge by the end of March, 2012!

It’s not too late to begin the Challenge. More details and the application form can be found at [http://www.crscience.org/sciencesuperstarprogram](http://www.crscience.org/sciencesuperstarprogram)

**Add a Little Science to Your Life**

We strive to bring fun science to our classrooms, but we also need to feed our own minds with engaging science. Here are a few of our favorites places.

- **RadioLab** is a show on NPR that blends science, philosophy and wonderful story telling to expand the way we look at the world around us. Find them on the radio or listen to their podcasts. [http://www.radiolab.org/](http://www.radiolab.org/)

- **East Bay Science Café** is held the first Wednesday of every month at Cafe Valparaiso at La Pena Cultural Center from 7 to 9pm. [http://bnhm.berkeley.edu/about/sciencecafe.php](http://bnhm.berkeley.edu/about/sciencecafe.php)

- **Science Friday** has been building their library or resources for teachers and it’s just fun to listen to. [http://sciencefriday.com/](http://sciencefriday.com/)

**Monthly e-NewsBlasts Keep you up to date**

We send you updates to this Resource Guide every month via our Science e-NewsBlasts. Not receiving the e-NewsBlasts?

- **Make sure CRS has a reliable email address for you** so that you will receive Science e-NewsBlasts and invitations to have Scientist Volunteer science lessons in your classroom. Send you email to CRS@crscience.org

- **Please add us to your safe email list.** Community_Resources_for_Science@mail.vresp.com

**Science Concierge Services**

What science support are you looking for? The more specific the request, the easier it is for us to find what you need. Program reports? Websites to support the topic you are working on? Need help finding a specific item? Looking for professional development on a certain topic?

**Make a request today by contacting Corinn at CRS@crscience.org**

Looking for something you saw in a previous CRS e-NewBlast or Resource Guide? They’re all archived on our website! Click on the For Educators tab, and find the archives on the Teacher Member Services page. [http://www.crscience.org](http://www.crscience.org)

**Join us on Facebook**

Join our CRS Teacher’s Group to connect and share ideas about science [https://www.facebook.com/groups/CRSteachers/](https://www.facebook.com/groups/CRSteachers/)
Program Deadlines

February 2012

2/1/2012  Registration for FALL 2012 workshops Begins
Life Lab Science Program
http://www.lifelab.org/for-educators/fieldtrips/

2/10/2012  Conservation Series: Conservation Projects with Students - reg Deadline
Monterey Bay Aquarium
http://www.montereybayaquarium.org/lc/teachers_place/edu_monthly_conservation.aspx

2/13/2012  Earthwatch Institute Educator Fellowships
Earth Watch Institute
http://www.earthwatch.org/edopp

March 2012

3/1/2012  Teacher Institute on Science and Sustainability - Deadline to apply for July Institute
California Academy of Sciences
http://www.calacademy.org/teachers/tiss/

3/1/2012  2012 Summer Teacher Institute Workshops - Registration Deadline
Exploratorium
http://www.exploratorium.edu/teacher_institute/summer/index.php

3/5/2012  Deadline for March 19 - April 29, 2012 Online Professional Development
American Museum of Natural History
http://learn.amnh.org/

3/8/2012  The Growing Classroom: An Introduction to Garden Based Learning - Reg Deadline
Life Lab Science Program
http://www.lifelab.org/for-educators/workshops/gcworkshops/

3/15/2012  Plant It, Grow It, Eat It - Enhancing Nutrition Education - Reg Deadline
Life Lab Science Program
http://www.lifelab.org/for-educators/workshops/gcworkshops/

3/16/2012  BioBuilding 2012 Teacher Workshop @ Berkeley - Reg. Deadline
BioBuilder
http://openwetware.org/wiki/BioBuilding2012_workshop_%40_UC_Berkeley

April 2012

4/13/2012  Conservation Series: Plastics and Marine Debris - Reg Deadline
Monterey Bay Aquarium
http://www.montereybayaquarium.org/lc/teachers_place/edu_monthly_conservation.aspx

May 2012

We're here to help you find the science resources you're looking for. Email us at CRS@crscience.org

Printed 1/13/2012

Deadlines
Are you a Science Super Star?

Do you enthusiastically bring science experiences across the curriculum into your classroom? Do all your students participate in hands-on lessons and read and write about science? Do you and your colleagues collaborate to bring engaging science experiences to their classrooms? Does your school’s staff take full advantage of the services that CRS provides to them? If you’ve answered “yes”, your classroom or your whole school can take the Science Super Star Challenge!

Go online to www.crscience.org/sciencesuperstarprogram to learn more, to get a full set of instructions and to download the posters.

Timeline:

Science Super Star Program Begins: September 2011

Qualify (submit forms to CRS): March 31, 2012

Drawing for free assembly or other prizes: Early April 2012

Prizes brought to school: Mutually agreeable date before June
### Professional Development


## February 2012

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Grade Levels</th>
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<td>Field Trip Orientation: Environmental Education Center in Alviso</td>
<td>K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th</td>
<td>Don Edwards San Francisco Bay National Wildlife Refuge</td>
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<td>2/8/2012</td>
<td>Summer Fellowship Applicant Workshop @ Oakland Tech</td>
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<td>2/12/2012  - 2/8/2012</td>
<td>Assessing for Learning</td>
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<td>Exploratorium</td>
</tr>
</tbody>
</table>

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2/11/2012  **Cool Tools VIII**  East Bay Computer Using Educators
For Grades:  K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
http://www.ebcue.org

2/11/2012  **Evolution- Classroom Kit Training**  California Academy of Sciences
For Grades:  7th;8th;9th;10th;11th;12th

For Grades:  5th;6th;7th;8th;9th;10th;11th;12th
http://www.thetech.org

2/16/2012  **Summer Fellowship Applicant Webinar**  IISME - Industry Initiatives for Science and Math Education
For Grades:  K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
http://www.iisme.org/

2/16/2012  **Focus Your Field Trip: Green Building and Living Roof**  California Academy of Sciences
For Grades:  2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
http://www.calacademy.org

2/23/2012  **Skulls: Study of Structure & Function - Kit Based Workshop**  California Academy of Sciences
For Grades:  K;1st;2nd;3rd;4th;5th;6th;7th;8th

2/23/2012  **Google Earth**  Resource Area for Teachers (RAFT)
For Grades:  K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
http://www.raft.net/workshops/in-house

2/25/2012  **Conservation Series: Conservation Projects with Students - re**  Monterey Bay Aquarium
For Grades:  K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
http://www.montereybayaquarium.org/lc/teachers_place/edu_monthly_conservation.aspx

2/25/2012  **Geology: Classroom Kit Training**  California Academy of Sciences
For Grades:  2nd;3rd;4th;5th

2/25/2012  **Bringing the Outside In - FREE**  NatureBridge Golden Gate (formerly Headlands Institute)
For Grades:  4th;5th;6th;7th
http://bringtheoutsideinfeb25.eventbrite.com

2/25/2012  **Tech Challenge 2012: Shake, Rattle, & Rescue - Information C**  The Tech Museum of Innovation
For Grades:  5th;6th;7th;8th;9th;10th;11th;12th
http://www.thetech.org

1/11/2012 - 2/29/2012  **Science Lab PD - Contra Costa**  KQED
For Grades:  K;1st;2nd;3rd
http://www.kqed.org/education/educators/sciencelab.jsp

March 2012

3/1/2012  **Teacher Institute on Science and Sustainability - Deadline to a**  California Academy of Sciences
For Grades:  3rd;4th;5th
http://www.calacademy.org/teachers/tiss/

3/1/2012  **Weather and Climate**  California Academy of Sciences
For Grades:  3rd;4th;5th;6th;7th;8th

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<tr>
<th>Date</th>
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<td><a href="http://www.ucmp.berkeley.edu/about/shortcourses/shortcourse12.php">Website</a></td>
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<td><a href="http://www.travel2learn.com">Website</a></td>
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<td><a href="http://lessonsfromtheoceanmarch10.eventbrite.com">Website</a></td>
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<td><a href="http://www.iisme.org/">Website</a></td>
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<td>Science Mini-series: Taking Science Outside the Box</td>
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<td>Life Lab Science Program</td>
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<td>Community Resources for Science</td>
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<td>Google Sites</td>
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<td><a href="http://www.raft.net/workshops/in-house">Website</a></td>
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<td>3/30/2012</td>
<td>Plant It, Grow It, Eat It - Enhancing Nutrition Education - Reg t</td>
<td>Life Lab Science Program</td>
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**April 2012**

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**Printed:** 1/16/2012  **Professional Development**
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<tr>
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<td>NSTA National Conference on Science Education - Indianapolis</td>
<td>National Science Teachers Association</td>
<td>K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th</td>
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<td>NatureBridge Golden Gate (formerly Headlands Institute)</td>
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<td>Don Edwards San Francisco Bay National Wildlife Refuge</td>
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<td>5/12/2012</td>
<td>Saturday Seminar Series</td>
<td>Bay Area Science Project</td>
<td>K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th</td>
<td><a href="http://csmp.ucop.edu/csp/basp/index.php">http://csmp.ucop.edu/csp/basp/index.php</a></td>
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<td>5/12/2012</td>
<td>Middle School Science</td>
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<td>6th;7th;8th</td>
<td><a href="http://www.raft.net/workshops/in-house">http://www.raft.net/workshops/in-house</a></td>
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Printed: 1/16/2012   Professional Development
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<td>Online Professional Development - May 28 - July 8, 2012</td>
<td>K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th</td>
<td>American Museum of Natural History</td>
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<td>[<a href="http://learn.amnh.org/">http://learn.amnh.org/</a>]</td>
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<tr>
<td>5/19/2012</td>
<td>Sowing the Seeds of Wonder: Discovering the Garden in Early July 8, 2012</td>
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<td>Energy: Past, Present, &amp; Future</td>
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# Professional Development: Customized for Your School

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<td><a href="http://www.kqed.org/ednet/">http://www.kqed.org/ednet/</a></td>
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<td>Custom Designed Workshop - many topics</td>
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<td><a href="http://www.oaklandzoo.org">http://www.oaklandzoo.org</a></td>
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Teacher Grants: Specific Deadlines

February 2012

2/1/2012 Grants For Grades 6 - 12 Toshiba America Foundation

Toshiba America Foundation

http://www.toshiba.com/taf/612.jsp

$5000 +

Wanted: Classroom Innovators! Toshiba America Foundation is accepting applications from teachers who are passionate about making science and mathematics more engaging for their students. Do you have a wish list of instructional equipment that will make learning more exciting for your students? Applications due August 1st and February 1st each year.

2/1/2012 Learning & Leadership Grants

The NEA Foundation

http://www.neafoundation.org/pages/educators/grant-programs/learning-and-leadership/

$5000

Grant supports public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following purposes:

• Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes or action research; or
• Grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment.

2/1/2012 Student Achievement Grants

The NEA Foundation

http://www.neafoundation.org/pages/educators/grant-programs/student-achievement-grants/

$5000

The proposed work should engage students in critical thinking and problem solving that deepen their knowledge of standards-based subject matter. The work should also improve students’ habits of inquiry, self-directed learning, and critical reflection. Proposals for work resulting in low-income and minority student success with honors, advanced placement, or other challenging curricula are particularly encouraged.

2/1/2012 American Honda Foundation Grant

American Honda Foundation


$20,000-60,000

Supports youth education with a specific focus on the STEM (science, technology, engineering and mathematics) subjects in addition to the environment.

2/3/2012 Ocean Leadership Awards

Quick Science

http://www.usc.edu/org/cosee-west/quikscience/OceanLeadershipAwards.html

$500

Formal Teaching Excellence Award – for the teachers who are active in developing and implementing innovative and effective approaches to learning and teaching of ocean sciences;

2/15/2012 NAREN Grants for Program Support

National At-Risk Education Network

http://atriskeducation.net/grants/

$250

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Printed: 1/13/2012 Teacher Grants
The grant is a needs-based grant, meaning that the monies cannot be used for decorative or non-programmatic concerns. Supplies, equipment, field-trip expenses, paying for resource people to come into the school to work with students, curricular materials are all viable categories of expenditures. The program for which funds are requested must be strictly for at-risk youth, and not a program receiving special education funding. The applying educator must be a NAREN associate, and willing to be accountable and responsible for the application of the grant and the expenditures.

2/23/2012 Intel Schools of Distinction

Intel

$10,000-25,000 http://www.intel.com/about/corporateresponsibility/education/soda/index.htm

To be considered as an Intel School of Distinction, schools must develop an environment and curricula that meet or exceed benchmarks put forth by national mathematics and science content standards. Three schools at each level—elementary, middle, and high school—will be named as finalists in the math and science categories. These 18 schools will receive a cash grant of $5,000 from the Intel Foundation and a trip to Washington, D.C., for a four-member team from their school and district. Six winners will be selected from the finalists and receive a $10,000 cash grant. One of these winners will be selected as the "Star Innovator" and will receive a $25,000 grant. All winning schools will also receive products and services from program sponsors.

2/28/2012 Ultimate Cool Science Day Sweepstakes

Discovery Education

Free programming http://www.siemensscienceday.com/enter_sweepstakes.cfm

Can submit and entry on-line everyday for this sweepstakes. Imagine a day of Discovery at your school complete with engaging science demonstrations, hands-on activities and thrilling special surprises. Enter often to improve your chances of winning the Ultimate Cool School Science Day! For your school.

2/29/2012 Kid's Science Challenge

Pulse of the Planet

http://kidssciencechallenge.com/#/home

The Kids’ Science Challenge is a competition for 3rd-6th graders who submit experiments and problems for real scientists and engineers to solve. There are 3 sets of prizes, which include trips to Bart Hopkin’s Experimental Musical Instruments Workshop in California, the School of Polymers and High Performance Materials at The University of Southern Mississippi, the K2 Sports Laboratories in Seattle, the University of Massachusetts, Microbiology Department, and the Polytechnic Institute of New York. Prizes also include libraries of science-related books and science equipment. In addition, the first 1,000 entries will receive a free activity kit.

March 2012

3/1/2012 2012 Mantis Awards for Community and Youth Gardens

KidsGardening.org

$350 value in garden equipment http://www.kidsgardening.org/grants/mantis.asp

25 programs will each receive a Mantis Tiller/Cultivator with border/edger and kickstand, and their choice of gas-powered 2-cycle engine or electric motor. Value: $349.00.

3/8/2012 Amazon Rainforest Workshop & Machu Picchu - Grant

Environmental Expeditions - Travel 2 Learn

http://www.travel2learn.com

K-12 teachers and environmental educators can win one of three $1000 scholarships to travel with scientists to one of the most diverse environments in the world. June 29- July 8, 2012. Experience a 1/4-mile Rainforest Canopy Walkway, Yagua Culture & Crafts, Village Service Project, ReNuPeru Ethnobotanical Garden, Birdwatching, Night Hikes, and Monkey Island Conservation Project. Open registration through May. Land cost is $1850, plus air. Machu Picchu Extension is optional. Academic Credit is available. Land cost is $850 for scholarship winners. Submit simple scholarship application by March 8.
Save the World Challenge
Siemens
http://www.wecanchange.com/
$5000 for school - prizes for students
The Siemens We Can Change the World Challenge offers students the opportunity to use science, math, and reading/language arts concepts and skills to create sustainable, reproducible environmental improvements. For example, students utilize their comprehension skills by reading and summarizing non-fiction texts. Then they use their writing skills to write an action plan to solve a local environmental issue based on what they have learned.

Bright Ideas Grant
PG&E
http://pge.need.org/
$1,000-10,000 grants will be given to schools for outstanding solar energy education projects.

Teacher Development Grants
McCarthey Dressman Education Foundation
http://www.mccartheydressman.org/teacher.html
$10,000 per year up to 3 years
Provides funding to individuals or small teams of teachers in the formation and implementation of groundbreaking k-12 classroom instruction. The grants provide opportunities for teachers to integrate fresh strategies that encourage critical inquiry and to observe their effects on students.

Ocean Guardian School Grant
National Marine Sanctuaries
http://sanctuaries.noaa.gov/education/ocean_guardian/welcome.html
$2,000-5,000
Applications are reviewed based on five criteria, each criteria weighted equally:
  a. The number of classes and grades involved;
  b. The impact of the project on the school and/or the impact of the project on the community;
  c. The school is an underserved/underrepresented school;
  d. The outreach plan for communicating to others about your project and its goals;
  e. The connection of the project to the health and conservation of the watershed, ocean and/or national marine sanctuary

Outstanding Earth Science Teacher Program
National Association of Geoscience Teachers
http://www.nagt.org/nagt/programs/oest.html#nomination
$1500 value
Outstanding Earth Science Teacher (OEST) awards are given for "exceptional contributions to the stimulation of interest in the Earth Sciences at the pre-college level." Any teacher or other K-12 educator who covers a significant amount of earth science content with their students is eligible. Ten national finalists are selected, one from each NAGT regional section. Individuals may apply themselves or nominate a colleague for the award.

Elementary Teacher Award
The Presidential Awards for Excellence in Mathematics and Science Teaching
http://www.paemst.org/controllers/home.cfc?method=view
$10,000 and trip to Washington DC
Alternate years for elementary and secondary. The Presidential Awards for Mathematics and Science Teaching were established in 1983 by an Act of Congress and are administered for the White House by the National Science Foundation. Each year the program recognizes outstanding mathematics and science teachers from across the United States and four U.S. jurisdictions for their contributions in the classroom and to their profession. In addition to honoring individual achievement, the goal of the Awards is to expand and exemplify the definition of excellent science and mathematics teaching. Awardees serve as models for their colleagues, inspirations to their communities, and leaders in the improvement of mathematics and science education.

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Printed: 1/13/2012 Teacher Grants
5/1/2012  American Honda Foundation Grant
American Honda Foundation
$20,000-60,000  http://corporate.honda.com/america/philanthropy.aspx?id=ahf
We support youth education with a specific focus on the STEM (science, technology, engineering and mathematics) subjects in addition to the environment.

5/31/2012  Environmental Education Grants
The Lawrence Foundation
$5000  http://www.thelawrencefoundation.org/grants/
The foundation is focused on making grants to support environmental, education, human services and other causes although our interests are fairly diverse and may lead us into other areas on an occasional basis.

June 2012

6/1/2012  Student Achievement Grants
The NEA Foundation
$5000  http://www.neafoundation.org/pages/educators/grant-programs/student-achievement-grants/
The proposed work should engage students in critical thinking and problem solving that deepen their knowledge of standards-based subject matter. The work should also improve students’ habits of inquiry, self-directed learning, and critical reflection. Proposals for work resulting in low-income and minority student success with honors, advanced placement, or other challenging curricula are particularly encouraged.

6/1/2012  Learning & Leadership Grants
The NEA Foundation
$5000  http://www.neafoundation.org/pages/educators/grant-programs/learning-and-leadership/
Grant supports public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following purposes:
•Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes or action research; or
•Grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment.

6/1/2012  School Garden Grants
Western Growers Foundation
Funds for growing gardens at school sites. Funds must be used for supplies, curriculum, resources or other materials related to starting or maintaining a garden. Examples include tools, seeds and plants, soil, irrigation related items, materials for raised beds, gloves, composting materials etc. A small portion of the funds may be used for a garden coordinator, but not the entire cash award. Funds should not be spent strictly on butterfly or other ornamental gardens.

August 2012

8/1/2012  Grants For Grades 6 - 12
Toshiba America Foundation
$5000 +  http://www.toshiba.com/taf/612.jsp
Toshiba America Foundation is currently accepting applications from teachers who are passionate about making science and mathematics more engaging for their students. Do you teach 6-12 science or math? Do you have a wish list of instructional equipment that will make learning more exciting for your students? Applications due August 1st and February 1st each year.

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Printed:  1/13/2012   Teacher Grants
Teacher Grants: Rolling or Continuous Deadlines

**Teacher wishlist**

**Adopt-A-Classroom Grants**

**Adopt-A-Classroom**

http://www.adoptaclassroom.org

Register your public school classroom online. This site pairs you with people who want to give money to your classroom to support your teaching.

**$200**

**AIAA Classroom Grants**

**AIAA Foundation**

http://www.aiaa.org/content.cfm?pageid=216

DEADLINE 30 days before quarterly meetings in JAN, MARCH, JUNE, SEPT. Funding for materials needed to teach:  
- a. Aerospace Technology;  
- b. Biological and Physical Research;  
- c. Earth Science;  
- d. Human Exploration and Development;  
- e. Space Science

**Approximate value - $1000**

**Amy Chamberlain Scholarship Fund**

**Bay Area Wilderness Training**

http://www.bawt.org/amy-chamberlain/

Each scholarship provides full tuition to BAWT's Wilderness Leadership Training (WLT), as well as additional post-course support services including site visits by BAWT staff or scholarship committee members during the 12 months following WLT participation. Must apply one month prior to the class you desire to take.

**discount bus rental rate**

**Black Tie Community Bus**

**Black Tie Transportation**

http://www.blacktietrans.com/fleet.php#bus

Bus is offered to non-profit organizations and to schools to transport children ages K-12 for school outings. The bus is available at a discounted rate to those who apply in advance and meet the requirements of the application process. Seating: Grades K-4, 60 passengers (3 adults required) Grades 5-12, 42 passengers (2 adults required) Rates // $75.00 per hr (5 hour min.)

**computer hardware**

**Classroom Computers**

**Computers for Learning**

http://computersforlearning.gov/

Schools register and request equipment on the Computers for Learning web site, and federal agencies match their surplus equipment to schools with those needs. Computers and equipment are not refurbished by the government before being shipped to schools, nor are they covered by warranty.

**$100-1000**

**Classroom Wishlist**

**DonorsChoose.org**

http://www.donorschoose.org/

Teachers describe classroom needs. Contributors decide where they want to put their money. Many corporations including Disney and Chevron are now using DonorsChoose.org as the way they give away money to education.

**discounted bus**

**Parks Express Transportation Services**

**East Bay Regional Parks District**

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Printed: 1/13/2012 Teacher Grants
Discount buses ($110) for fieldtrips to East Bay Regional Parks. Schools must have at least 30% of students in Free or Reduced Lunch Program. 40 passengers minimum. They start making assignments in December for the coming year. Apply ASAP even for programs in fall. Need not have naturalist program pre-arranged. They will help coordinate with naturalist program.

### $100 to $500

**Funds for Outdoor Field Trips**

**Field Trip Foundation**

http://www.fieldtripgroup.org/for_teachers.html

Grants for outdoor environmental education field trips for grades 3 - 5. Grants are provided to teachers in Bay Area schools with a majority of low-income students. Grants range from $100 to $500, but exceptional grants may be approved up to $1000. Grants with a lower cost per student will be more favorably evaluated. Can be used for program or bus fees.

**Education Grant Database**

**GrantWrangler**

http://www.grantwrangler.com/

Check out this website for all types of grants for classrooms.

### $500 in materials

**Classroom Wishlist**

**iLoveSchools.com**

http://www.iloveschools.com/

Register your school with I Love Schools.com. The site matches you up with people wanting to donate equipment to your school.

### Bus transportation to Oakland Museum

**Bus Transportation Scholarship for Oakland and Richmond**

**Oakland Museum**


A limited number of scholarships are available: Must be in the OUSD (includes charter schools) or a Richmond public school. At least 70% of students at the school qualify for the free or reduced lunch program. One scholarship per teacher each school year. Awarded on a first-come, first-served basis. Teachers who qualify will receive a Bus Transportation Authorization, with a scheduling code. Teachers will contact the bus company directly to book the transportation, using the code as authorization. Bus must be used between 8:30 a.m. and 2:00 p.m. Any fees arising from the use of a bus after 2:00 p.m. will be charged back to you.

### $1000 for fieldtrips

**Geballe Excursion Grant**

**Philanthropic Ventures Foundation**

http://www.venturesfoundation.org/programs/teacher-grants

Grants of up to $1,000 are available now to fund classroom excursions; funds can cover the cost of transportation, admission fees and food. Invited public school teachers for grades K-5, Alameda and San Mateo counties can apply for grant funding. Supported by funding from The Geballe Family.

**Grants for Teachers**

**Teacher Planet**

http://grants4teachers.com/

Database of education grants of all types and amounts.

### $5000 of less

**Mini-Grants For Grades 6 - 12**

**Toshiba America Foundation**

http://www.toshiba.com/taf/612.jsp

Wanted: Classroom Innovators! Toshiba America Foundation is accepting applications from teachers who are passionate about making science and mathematics more engaging for their students. Do you have a wish list of instructional equipment that will make learning more exciting for your students?

*We're here to help you find the science resources you're looking for. Email us at CRS@crscience.org*

Printed: 1/13/2012  Teacher Grants
Temporary & New Science Exhibits Around the Bay Area

Bay Model Visitor Center
Sausalito  http://www.spn.usace.army.mil/bmvc

75th Anniversary of the Golden Gate Bridge
(January 10 - February 11) - In commemoration of the 75th anniversary of the Golden Gate Bridge, the Bay Model is pleased to exhibit photographs of the Golden Gate Bridge by Argentine/American photographer Edgar Angelone. Mr. Angelone’s photographs are well known for their rich tonalities and his unique perspective.

Re-Opening of the Renovated Bay Model
February 25 - Come celebrate the grand "reopening" of the Bay Model! Construction on the Bay Model has given it "new life" and a fresh look, inside and out. Stimulus funding provided by the American Recovery and Reinvestment Act (ARRA) of 2010 financed all construction. Major work completed includes a new roof with nearly 2,500 solar panels, a seismic retrofit of the Bay Model warehouse, structural work on the model itself, energy efficient lighting for the Bay Model and much more!

Junior Center of Art and Science
Oakland  http://www.juniorcenter.org/

African American Inventors
(January 24 – March 24, 2012)  This exhibit will highlight a selection of the many contributions that African-American inventors and scientists have made to American society. The featured inventors are credited with the creation of items we see around us every day such as the traffic light, the elevator, the fountain pen, and much more. Historical and contemporary inventors will be represented.

Lawrence Hall of Science
Berkeley  http://www.lhs.berkeley.edu

Imaginate
(February 4 – April 29, 2012) — Find out if you have what it takes to innovate in Imaginate. Whether your interest is art or engineering - innovate, and you open exciting new pathways to explore. Get Inspired - What could you do with tiny magnetic particles in a fluid? How many pounds of lift can you generate by flapping a pair of artificial wings? Investigate new uses for materials as ordinary as cardboard boxes and as unique as large sound panels. Be an Innovator - Use a number of tools of scientific investigation to create a stop-motion animation video. Design and program a kinetic sculpture to move and even act out a story. Explore the properties of materials and see which combination will win the Racing Irons challenge. Build a Better World - What are the different ways to raise water from one level to another? How would you design an ambulance to traverse rugged terrain? Forget your modern tools and enter a space where these and other challenges in your own environment can be met!

Tony Hawk I Vert Science
(May 26 – September 3, 2012) — Get the science behind extreme sports at the world premier of Tony Hawk I Vert Science. Explore the physics behind sports like skateboard, BMX biking, and snowboarding. Put a cool new spin on science. Skateboard legend Tony Hawk uses extreme sports to demonstrate such important principles as gravity, force, motion, acceleration, velocity, and inertia. Understand why skateboarding, BMX biking, and snowboarding are so amazing to watch and do as you learn about the science that lets Tony pop an ollie or pull off a double heel flip. Currently under development in collaboration with the Tony Hawk Foundation, the exhibition makes science concepts relevant, accessible, and engaging for young visitors and connects scientific ideas with popular kids’ sports.

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Lindsay Wildlife Museum
Walnut Creek http://www.wildlife-museum.org

Hunters in the Sky
(New Exhibit) - Come soar like a hawk over Mount Diablo in flight simulation models and learn all about the beaks, feathers and feet that make raptors such successful hunters.

Wildlife Hospital, Behind the Scenes
(New Exhibit) - Witness presentations of actual hospital procedures performed on wild patients behind one-way glass in an all-new operating theater. Try your hand at preparing special animal diets at the touch-screen display, check out the interactive microscope station and see how x-rays help our hospital staff in diagnosing problems in patients brought to the hospital - from a tiny tree frog to a bobcat.

NASA Education http://www.nasa.gov/offices/education/about/index.html

Sun-Earth-Day - Transit of Venus 6/5/12
Join NASA from the Observatory on top of Mauna Kea - best viewing spot in the world for the Transit of Venus on June 5th, 2012. Yes, it is coming and we are already making plans to bring everything to you so you won't miss an event that will not be visible again until 2117! Many museums, universities, Amateur Astronomy Clubs, NASA centers and classrooms are planning events. For all the resources you will need for your own event and to enter information onto the Google map, visit http://sunearthday.nasa.gov

National Environmental Education Foundation
Washington http://www.neefusa.org/

Environmental Education Week
(April 15-21, 2012) National Environmental Education Week (EE Week) is the largest organized environmental education event in the United States. EE Week increases the educational impact of Earth Day by creating a full week of educational preparation, learning, and activities in K-12 classrooms, nature centers, zoos, museums, and aquariums. By participating in EE Week, you encourage your students to make a difference in their schools, homes, and communities!

Oakland Museum
Oakland http://www.museumca.org

Natural Sciences Hall Re-Opens
(Opens June 2012) - Hotspot California: Bringing Dioramas to Life Through Community Voices. The transformed Gallery will feature innovative displays about California places that exemplify the state’s great biological and geological diversity as well as its complex environmental challenges, such as climate change, urbanization, pollution, and invasive species. The gallery will infuse formerly static dioramas with emerging technologies and dynamic stories of real places to engage museum visitors in the natural world and to act positive attitudes and behaviors toward conservation. Interactive displays, learning stations, and testimony from scientists and local residents will inspire visitors to learn more about California hotspots, five real places in our state that exemplify high biological diversity and complexity.

SF Botanical Garden & Strybing Arboretum
San Francisco http://www.strybing.org

Paintings in Gouache and Secrets of the Garden: Portraits of Wild Mushrooms
(January 4 – April 28, 2012) - In this exceptional new exhibit of botanical art, Lucy Martin's art reveals her love of mushrooms and other fungi in their forest habitat. Watercolors by Lucy Martin

The Tech Museum of Innovation
San Jose http://www.thetech.org

Islamic Science Rediscovered

We're here to help you find the science resources you're looking for. Email us at CRS@crscience.org
Printed: 1/13/2012
Did the Wright brothers soar in the sky first? Was Leonardo da Vinci the first to describe “machines of the future”? Centuries before Orville and Wilbur Wright took flight, Abbas ibn Farnas was soaring over the hilly Spanish countryside in a one-man glider - a thousand years before the famed Wright flight in North Carolina. Al-Jazari busied himself laying the foundations of modern engineering and writing the Book of Knowledge of Ingenious Mechanical Devices in 1206, where he described fifty mechanical devices along with instructions on how to build them, more than 200 years before Leonardo da Vinci became revered for his technological ingenuity. Long overlooked or often misattributed, the remarkable contributions of Muslim scholars in science and technology have quietly floundered as no more than common footnotes of world history. Designed to unearth the scientific know-how of an Islamic Golden Age that is all too strange and unfamiliar to Western culture, discover the innovation, science, and technology mastery of one of today’s most misunderstood cultures in Islamic Science Rediscovered.

CRS Customized Teacher Science Support Request Form
Tell us what you’re looking for – we’ll help you find it!

Name: _____________________________ School/Grade: __________________________
Email: ____________________________

Select the type of support desired and on what science topics (topics may include for example water cycle, planets, spiders, etc.)
(Check all that apply and fill in topics for each)

☐ Local field trips
   Related to this Topic: __________________________

☐ In-Class Programs/Assemblies
   Related to this Topic: __________________________

☐ Materials:
   (circle preferences) books, videos, kits, software, sources for buying/borrowing
   Related to this Topic: __________________________

☐ Websites (circle preferences: for teachers for students)
   Related to this Topic: __________________________

☐ Science background information about a subject (content, inquiry-based, teaching techniques, etc.)
   Related to this Topic: __________________________

☐ Classroom activities and sample lessons
   Related to this Topic: __________________________

☐ Professional development (summer institutes, teacher workshops, etc.)
   Related to this Topic: __________________________

Additional notes or specific requests:
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

Mail this to: CRS 1611 San Pablo Ave., Suite 10 B, Berkeley, CA 94702
or Fax to: (510)527-5212 or send via email to: CRS@CRScience.org

Need something specific to teach more science?

Fill out this form and send it in to us

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Printed: 1/13/2012
Temporary Exhibits
Inside your Winter 2012 CRS Science Resource Guide

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