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Free Teacher Professional Development Webinar

Learn more about how Science Buddies can help you include science projects and science fairs in your classroom.

Find out how to use Science Buddies resources in your classroom by joining us on **Sunday, August 29th** for an hour-long, **free** guided tour of the Science Buddies website. Learn how our Topic Selection Wizard tool can help students find an exciting project, find out how to make the most of our teacher and parent resources, and more! Plus, you could be eligible for great prizes, including a \$100 Best Buy gift card! For more details, visit the [Science Buddies blog](#) or [click here to register](#).

(Please forward this newsletter or send the link to friends or colleagues that you believe could benefit from Science Buddies' tools and resources!)

Color in the Wild

A hands-on look at adaption strategies.

Stack of colored construction paper, baggies of colored candies, a timer, and small groups of students are all you need to explore the benefits of **adaptive color and camouflage in the wild**.

The principles of the game in [M&M Survival Challenge](#) are simple, but the exercise gives classes hands-on insight into important survival tendencies. What color gets eaten first? (Difficulty: 1-3)

Science Buddies' [zoology project ideas](#) are sponsored by The Abbott Fund



Online Volunteer Opportunity for Science Students

Encourage your students to earn community service credit by helping other students with science projects.



We're looking for **top science students** to volunteer as mentors on our **Ask an Expert forums**. Our high school mentors work alongside adult science professionals to help answer student questions about science projects.

High school mentors earn **community service credit** and are eligible for **cash scholarships** for outstanding service. We work with students to set up a convenient once-a-week schedule and ask that they plan to spend approximately 30 minutes a week **sharing their enthusiasm and expertise with other students**.

Please encourage your students to consider volunteering with us! A [one-page flyer](#) is available to print and hand out (or to e-mail) to prospective student volunteers.

Interested students can apply at

Crime Scene Biotechnology

Is it blood or not?



A spot of red at a the scene of a crime might be an important clue, unless it's really just a splatter of ketchup or some other red-colored substance! In [Crime Scene Chemistry: The Kastle-Meyer Test for Blood](#), students can explore the common Kastle-Meyer test and learn what

kinds of substances might register a false positive. (Difficulty: 6)

Science Buddies' [biotechnology project ideas](#) are sponsored by Bio-Rad

Coming Soon to Our Website: Science Camp 101

Science summer camps keep kids occupied (and their brains engaged) while school is out!

Summer vacation usually evokes images of camping, swimming, and lounging in the sunshine, but it can also be a prime time for kids to learn more about science.

Thanks to generous funding from the Motorola Foundation, Science Buddies will be launching a public-awareness campaign during the 2010-2011 school year to promote the value of summer science experiences, particularly science camps. A page on our website will describe the value of summer science camps, give advice for selecting a camp, and provide links to science camp web pages. Throughout the school year, we will profile U.S. science camps, as well as high-achieving students who have attended them.

Know a student who has had success at a science camp? Email us at scibuddy@sciencebuddies.org and share his or her story!

Help from Science Buddies Ask an Expert Led to Intel-ISEF Success



Science Buddies volunteers help students in all grades.

Christina Wang will be a senior this fall at the Shanghai American School in Shanghai, China. At [Ask an Expert](#), Christina got support from our team of volunteer Experts and developed an inspiring mentoring relationship with a long-time volunteer from Bio-Rad. With the help of Ask an Expert, Christina was able to pursue an **advanced microbiology science project** analyzing the growth of facultative anaerobe *B. subtilis* under microaerophilic conditions. Expert advice on biotechnology lab procedures was particularly helpful.

Christina went to the Intel ISEF her

www.sciencebuddies.com/volunteer

(Note: This opportunity is for U.S. students only. Previous science fair experience is required.)

We are also scheduling adult volunteers! [Find out more...](#)



Trash to Treasure

Competition *PBS' Design Squad is offering kids at home a chance to get in on the action!*

The 2010 Trash to Treasure Competition challenges kids to take everyday discarded or recycled materials and re-engineer them into functional products. Three grand-prize winners will win a trip to Boston to see their designs built, and will also appear on the Design Squad TV show and website. 25 finalists will also be featured on the series website. Enter at pbs.org/designsquad until September 5, 2010.

Science Video Competitions for Teachers and Students

Film a video lesson that explains a core science principle from the list at Engineering.com and enter their [teacher video competition](#). Winning entries will be showcased on the [USA Science and Engineering Festival](#) website and on Engineering.com. Entry deadline: October 21, 2010.

Deadline Extended

The deadline for **students** entering the **Kavli Foundation "Why is Science Cool?" video contest** has been extended to August 31, 2010. For more information, visit: <http://tinyurl.com/35hulzq>.

sophomore year and, extending her research during her junior year with a project focusing on the attributes of four bacteria, she earned a **2nd-place Grand Award** at the 2010 Intel International Science and Engineering Fair! [Read Christina's story.](#)

The Advanced Project Guide



Don't miss our resources for students aspiring to top-level competition.

The Science Buddies [Advanced Project Guide](#) is loaded with information that can help students design and execute a top-caliber science project. The [Sample Projects from Advanced Competitions](#) page offers an inside look at projects at this level.

Congratulations to 2010 Intel ISEF Special Award Winners!

Science Buddies was excited to join Symantec in presenting special awards in Computer Science at the 2010 Intel ISEF. See the [list of winners and their projects](#) on the blog.

Share Your Science Success!

Do your students use Science Buddies project ideas or Science Buddies resources? Do you have a student who used a Science Buddies project and won an award at a school or local science fair? Did you organize your first science fair last year?



We get excited when you and your students succeed, and we are always interested in stories that share the value of Science Buddies with other teachers and parents, so [let us hear from you.](#)



Newly Released Science Project Ideas



The following Project Ideas were recently added to the Science Buddies library:

Difficulty: 1-5

- [Point, Click, Shoot! Photography with a Pinhole Camera](#)
- [Archimedes Squeeze: At What Diameter Does an Aluminum Boat Sink?](#)
- [Choice Cheesecakes: Which Baking Method is the Best?](#)
- [Perfect Plating: Which Food Presentation Technique is Best?](#)

Difficulty: 5-7

- [Investigate the 'Death' of an Orange](#)

Difficulty: 7-9

- [Build Your Own Radon Detector](#)
- [Taming the Tsunami: Investigating Different Structures to Reduce Tsunami Damage](#)

Help Students find the Perfect Project for Them



Our [Topic Selection Wizard](#) can help guide students to science projects that fit their areas of interest *and* meet science fair requirements. Give it a try today!

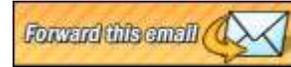
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We post regular updates and announcements on the [Science Buddies at Facebook](#) page. Adding us to your "like" list at Facebook is an easy way to find out about new projects,

giveaways, and other Science Buddies news. No Facebook? You can also follow us at [Twitter](#) or on our [blog](#).

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