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Follow PRISM on Twitter

PRISM is now using twitter to share our latest finds of STEM resources and classroom news. Follow us @RoseHulmanPRISM.

twitter



New to Twitter?

Go to the Twitter signup page by clicking this link:

<https://twitter.com/signup>

Type in your name, username, password and email address. Select a user name. Many people use their real name without the spaces. For example, my personal Twitter account is debgaff. Another option is to use the first part of your email address before the @ symbol. Type in the CAPTCHA words from the image.

Click on the Create My Account button.

Twitter @RoseHulmanPRISM

National STEM Video Game Challenge



Do your students wish that video games were a part of their school day? Do you have a great idea for incorporating STEM topics into a video game?

Take a few minutes to explore this awesome video game design challenge. The contest has categories for middle school, high school, college students and educators.

You can create your game using any game-making platform. Some suggestions from the website include; Gamestar Mechanic, Microsoft's Kodu Game Lab, GameMaker and Scratch.

Entries are due by March 12, 2012.

www.stemchallenge.org

Twitter @STEMChallenge.

2012 T³™ International Conference



TI and the T³ community host the annual T³ International Conference each spring. The T³ International Conference is for middle grades to university educators and administrators interested in the appropriate usage of educational technology to enhance teaching and learning in mathematics and science.

Attendees can count on networking with teachers from

across the U.S. and the world, learning from experienced educators, and participating in hands-on and demonstration sessions for new and experienced educators. You'll receive lots of great classroom activities and ideas, along with the latest news on TI technology.

Chicago, IL - March 2-4, 2012

education.ti.com/calculators/pd/US/International/2012/

Twitter @TICalculators



www.bottlebiology.org/index.html

Bottle Biology

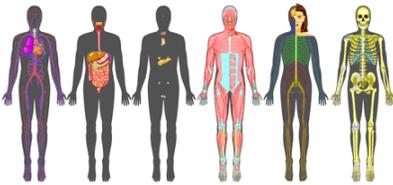
Like many good things in life, the inspiration for Bottle Biology arose unexpectedly — in this case from a pile of autumn leaves. While raking his garden, Paul Williams, a professor of Plant Pathology at the University of Wisconsin-Madison, asked himself what might be going on in the middle of the large compost pile he was creating. Why not put some of the leaves in an empty soda bottle and watch them to find out, he wondered. The result: The Decomposition Column and the beginning of Bottle Biology.

Hands-on, eyes-on, noses-on, mouths-on, minds-on: If you combine science with a soda bottle, what do you get? Two liter soda pop bottles orbiting Earth with NASA, might be one result. But did you know you can use bottles to create an ecosystem, explore the concept of niche,

and model a lakeshore? You may have made a tornado in a bottle but have you used bottles to pickle your own cabbage? Have you made a bottle microscope, a bottle timer or bottle tweezers?

This website is full of ways you can use recyclable containers to learn and teach about science and the environment. The projects on this website promote science as a tool everyone can use to explore the world. These explorations can be integrated with history, art, music and other creative endeavors.

Out of the trash, into the classroom: You'll find the inexpensive materials you need for Bottle Biology in your trash can, backyard, supermarket, neighborhood park and recycling center.



www.innerbody.com/

InnerBody Your Guide to Human Anatomy Online

To see detailed human anatomy charts and gather in-depth anatomy information, click any of the human body systems .

Where would you like to begin your exploration of human anatomy? Learn about human physiology as you study anatomical charts and models of

every system in the human body!

Innerbody Vision: "To provide high quality educational content through low bandwidth Internet access to children, parents and schools worldwide."

More than 4,000 sites have links to us, and we proudly serve approximately

500,000 people with about 12,000,000 page impressions per month. The Inner Sites have become part of the curriculum at many schools around the world.

This site has great information about careers in health related fields.

The site is available in Spanish as well!

NSTA Global Inquiry and Science Investigation in Costa Rica

Join NSTA and Holbrook Travel for a unique professional development opportunity this summer! Investigate the rich habitats of Costa Rica, a country world-renowned for its tropical forests, biological diversity, and dedication to environmental conservation. During the course of the program, educators will have the opportunity to visit a variety of ecosystems and perform critical research for national and international scientific projects using GLOBE protocols. The program is designed to highlight the principles of earth system science, life science, and species conservation through activities such as actively collecting data, analyzing findings, and participating in inquiry-based learning modules. In addition to its scientific core, threads of cultural exchange and service have been woven throughout the itinerary, providing participants with a comprehensive foundation for widening perspectives and strengthening global science understanding both in the field and the classroom.



www.holbrooktravel.com/nsta/default.html



calculationnation.nctm.org/

Calculation Nation

Calculation Nation® uses the power of the Web to let students challenge opponents from anywhere in the world. At the same time, students are able to challenge themselves by investigating significant mathematical content and practicing fundamental skills. The element of competition adds an extra layer of excitement.

“The games on Calculation Nation® provide an entertaining environment where students can explore rich mathematics,” said Jim Rubillo, Executive Director of the National Council of Teachers of Mathematics (NCTM). “Through these games,

students are exposed to the same mathematical topics that they see in class as well as those that are recommended in Curriculum Focal Points.”

Calculation Nation® is part of the NCTM Illuminations project, which offers Standards-based resources that improve the teaching and learning of mathematics for all students. Its materials illuminate the vision for school mathematics set forth in NCTM’s Principles and Standards for School Mathematics and Curriculum Focal Points.



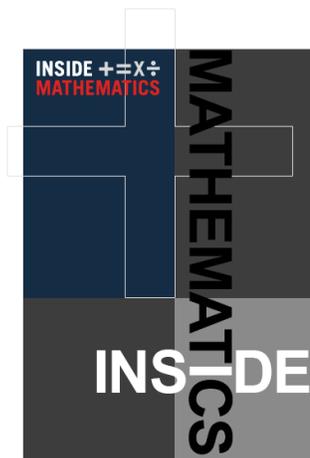
www.pbs.org/teachers/cyberchase/

Explore Math with CYBERCHASE

CYBERCHASE, the award-winning, research-based adventure series and website, helps kids develop strong math and problem-solving skills. Explore this site for ways to help your favorite kids get the most out of math! Designed for kids ages 8 to 12 and packed with mystery, humor, and action, CYBERCHASE delivers positive

messages about math by teaching concepts in a fun way that kids can understand. Each episode takes our heroes on a thrilling adventure driven by a different math concept. From tackling time in ancient Egyptian tombs to cracking codes in creepy caves, kids learn that math is everywhere and fun to use! Beyond the TV episodes,

learning continues through dynamic web games and print activities that help kids explore their world -- and have a blast with math in their homes and neighborhoods! Plus, grown-ups can bring the fun and adventure of CYBERCHASE to classrooms and after-school programs with lesson plans and activity kits.



www.insidemathematics.org

Inside Mathematics

Welcome to Inside Mathematics, a professional resource for educators passionate about improving students’ mathematics learning and performance.

This site features classroom examples of innovative teaching methods and insights into student learning, tools for mathematics instruction that teachers can use immediately, and video tours of the ideas

and materials on the site.

We are glad you’re here and look forward to learning with you!

News - Inside Mathematics is aligning its resources with the Common Core State Standards for Mathematics.

If you want to develop your understanding of the national Common Core

Standards for Mathematical Practice, you can view connections between the standards and classroom videos. If you want to observe exemplar lessons in different content areas and grade levels, visit the public lessons page. If you are working to enact change in more than one classroom, visit the tools for coaches and tools for administrators sections.

Create a Free Class Website
and let your students build sites too



education.weebly.com

Weebly for Education

Weebly is a San Francisco, California based company that was founded in 2006 with the mission to help people put their information online quickly and easily. We now enable 3 million people to easily create personal sites and blogs or establish web presences for businesses, weddings, classrooms, churches, artistic portfolios, and more.

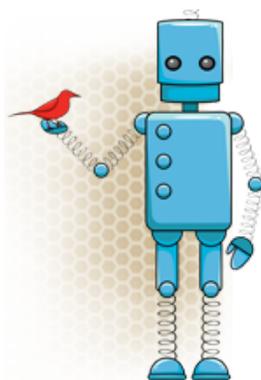
In early 2007, the Weebly founding team joined a seed funding program called Y Combinator and began working full-time to make the Weebly service spectacu-

lar. We were proud to be named one of TIME's 50 Best Websites of 2007, and have continued to improve Weebly's feature set and ease of use.

What can I do with Weebly?

- Easily create a classroom website & blog
- Manage your students' accounts
- Accept homework assignments online
- Keep your parents up to date

Twitter - @weebly



scistarter.com

Scistarter Science We Can Do Together

In a nutshell...

This is the place to find out about, take part in, and contribute to science through recreational activities and research projects.

If you're a scientist or a representative of a citizen science organization or community group: This is the place to tell eager people about your work and get them interested in helping out.

OUR MISSION
SciStarter will bring

together the millions of citizen scientists in the world; the thousands of potential projects offered by researchers, organizations, and companies; and the resources, products, and services that enable citizens to pursue and enjoy these activities.

We aim to:
Enable and encourage people to learn about, participate in, and contribute to science through both informal recreational activities and formal research efforts.
Inspire greater apprecia-

tion and promote a better understanding of science and technology among the general public.

Create a shared space where scientists can talk with citizens interested in working on or learning about their research projects.

Satisfy the popular urge to tinker, build, and explore by making it simple and fun for people—singles, parents, grandparents, kids—to jump in and get their hands dirty with science.



www.edutopia.org/ipad-apps-elementary-blooms-taxonomy-diane-darrow

iPad Apps According to Bloom's Taxonomy

In this six-part series, I will highlight apps useful for developing higher order thinking skills in grades K-5 classrooms. Each list will highlight a few apps that connect to the various stages on Bloom's continuum of learning. Given the size and current exponential growth of the app market, I will also assist educators in setting criteria necessary to identify apps that maintain the integrity of teaching for thinking.

Diane Darrow is an artist, Reading Recovery teacher, and library media specialist at Bel Aire Elementary in Tiburon, CA. You can follow her on Twitter at @dianedarrow.



wonderopolis.org/

Wonderopolis

Create. Laugh. Imagine. Explore. Learn. Smile. Grow.

Visit Wonderopolis®. It's a place where wonder and learning are nurtured through the power of discovery, creativity and imagination. Wonderopolis is brought to life by the National Center for Family Literacy (NCFL) and supported by our philanthropic partners listed below. You see children not only for who they are but for all they can become, yet you may need a little help directing that passion and igniting that wonder. We can help you get there — together. You don't

have to travel far. Wonderopolis is a special place found in a curious question or an everyday adventure. Just let wonderment be your guide.

Our Wonders of the Day will help you find learning moments in everyday life, ones that fit in with dinner preparations, carpool responsibilities, a stolen moment between breakfast and the bus, or within school curriculum and education programs.

Welcome to Wonderopolis.
We've been waiting for you.
Twitter @Wonderopolis



lgfl.skool.co.uk/

Skool

skool.co.uk is an Intel® driven initiative that brings you highly innovative, interactive and exciting learning resources via cutting edge technologies and devices.

skool.co.uk is the first resource of its kind designed specifically for the students and teachers of these subjects. It leverages the expertise of top

teachers in their fields for the development of its content.

We will provide valuable resources to help students Learn and Revise for their Exams, and to enable students and teachers to Explore the wider world of education. The objective is to provide a rich and integrated approach to Science and Maths. All

content developed for the site will be based on identified areas of difficulty in these subjects.

We are engaged in a comprehensive development programme of interactive learning and supplementary material exclusively for skool.co.uk. New learning material, as well as special features, will be regularly added to the site.

FunBrain

Since 1997, kids, teachers, librarians, and parents have enthusiastically turned to Funbrain for its free educational games, online books, and comics. Funbrain, created for kids ages preschool through grade 8, offers more than 100 fun, interactive games that develop skills in math, reading, and literacy. Plus, kids can read a variety of popular books and comics on the site, including Diary of a Wimpy Kid, Amelia Writes Again, and Brewster Rocket.

Teachers and librarians can confidently encourage students to use Funbrain during their free time in class, assured that kids will enjoy an educational, safe online learning experience. Funbrain's games help students build on what they have learned in class and acquire new skills in reading, math, and problem solving.

Parents can trust Funbrain to deliver a fun and safe experience for even the youngest children. The Playground helps parents introduce their preschoolers to the Internet and teaches them how to manipulate the mouse and keyboard. Selected by FamilyFun magazine in its September 2010 issue as one of the top ten websites for kids, Funbrain is committed to providing a safe gaming environment that bridges learning and entertainment.



www.funbrain.com/

Professional Opportunities

The Global Field Program (GFP) brings Master's degree candidates, scientists, educators, community leaders, and others together at conservation hotspots in Africa, Asia, Australia, and the Americas for firsthand experience with inquiry-driven education, environmental stewardship, and global understanding. GFP candidates join a growing network of leaders who work collaboratively to bring about change in local and global contexts. Offered for a fraction of the actual cost. www.projectdragonfly.org/gfp/index.php

The Advanced Inquiry Program (AIP) is a one-of-a-kind Master's Degree program for formal and informal educators who are interested in developing their inquiry-based teaching skills while helping to affect positive social change in their local communities. Co-delivered by the Cincinnati Zoo & Botanical Garden and Miami University's Project Dragonfly, AIP combines graduate courses at the Zoo with web-based learning communities that connect you to a broad network of educators and community leaders.

cincinnati.zoo.org/education/schools-teachers/professional-development/advanced-inquiry-program/

The Teacher-Ranger-Teacher (TRT) program provides opportunities for teachers to connect to the resources in a national park. Teachers develop lesson plans based on their park experience for use in the classroom and parks. The program focuses on teachers from schools with ethnically diverse student populations, who have had little or no experience with national parks or limited opportunity to explore the relevance parks can have in their lives and the lives of their students. www.nps.gov/acad/forteachers/teacher-ranger-teacher.htm

Frontiers in Physiology Research Teacher Fellows will experience 7-8 weeks of paid biomedical research in the laboratory of an APS member physiologist in your local area during the summer. Payments for completing online assignments throughout the year via the Blackboard platform. A mini-grant for classroom materials is included. Deadline for application is January 23, 2012. <http://www.frontiersinphys.org/pages/page01a.shtml>

What PRISM Can Do For You!

- Easily find the perfect teaching and learning resources from our library of over 2,900.
- Save a list of your favorite resources for quick retrieval.
- Create and share lesson plans that teach your subjects utilizing your favorite resources.
- Develop online classrooms with interactive assignments, lessons, quizzes and more!
- Join discussions with students, parents, or other teachers inside chats and forums.
- Store your classroom materials online so that they are available to you from any computer.
- Reach your students more effectively by using web media for the digital age.
- Earn CRUs by completing PRISM led online Moodle course – either Beginning Moodle or Intermediate Moodle courses are available to you at no cost several times throughout the year.
- Select from free learning resources that emphasize visualization, rich context, staged-problem solving, and electronically enabled collaboration / communication.
- Augment your own dynamic presence in the classroom with teaching tools that mirror the skills needed for success in higher education and the 21st Century workplace.

*Through our strong support from the **Lilly Endowment** and others, we are constantly growing and improving. Check our site regularly to see what new resources you can use in your classroom.*

www.rose-prism.org



PRISM is a free website that provides collections of online resources for Indiana educators in the fields of science, technology, engineering, and mathematics (STEM). The primary collection of digital teaching materials is indexed according to the Indiana Academic Standards for 6th, 7th, and 8th grade and secondary education courses.