



August 2009

What's In This Issue?

Activity of the Month
Questions

Upcoming Workshops

- Field Trip Into Space
- The "E" in STEM Education
- Introduction to Internet Resource Materials
- Family Math or Science Night
- Science Take-Home Bags
- Kid-Friendly Report Design & Science Journals
- Project Learning Tree
- Project WET
- Project WILD
- Fundamentals of Inquiry

What's In Stock?

Free classroom materials for your classroom—New goodies from Sea World have arrived!

Things To Know About

- Miro
- Teach Factory

Spider's Prey

Web Sites of the Month:

- www.mathtreasure.com



Come and see our extensive collection of science and technology curriculum that you can download for FREE!

Great Information Jewels You Don't Want To Miss!

Treasures for Teachers TREASURE CHEST NEWSLETTER

Please **RECYCLE** this newsletter by passing it on to a friend.

Activity of the Month

Questions

As we prepare for the coming school year stop to think about the questions you will plan to ask as your students undertake science inquiry.



See the last page of this NEWSLETTER for attached activity.

Add Some New Tools to Your Toolbox of Ideas to Teach Science



**Interactive, Hands-On,
Collaborative, FREE Science
Workshops Are Available!**

We are **HAPPY** to come to your location to provide your faculty with any of our in-services.

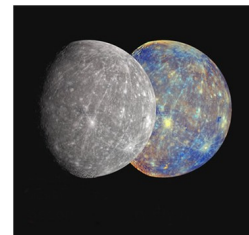
The Science & Technology Teacher Resource Center offers **FREE** science workshops to teachers! Join us for a few hours and add some new ideas to your science toolbox. All workshops are offered at The Science & Technology Teacher Resource Center in Point Loma or **they may be scheduled at a time or place more convenient to you.**

Call 619-847-5518

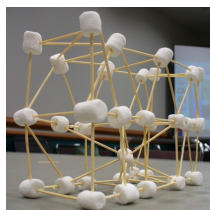
to schedule a time or to sign up for a **FREE** workshop.

Big things are happening in Space Are you including them in your teaching?? MESSENGER Spacecraft flies by Mercury on September 29, 2009

Join this exciting workshop to find ways to create this historical event into **A FIELD TRIP INTO SPACE** for your classroom. Learn how to incorporate NASA's MESSENGER program materials into your classroom's study of the Solar System during this hands-on, collaborative, interactive presentation. Learn the latest information about the flyby. Make a scale model of the Solar System. Make a model showing how craters are made. This **3 hour** workshop will be presented on **September 10, 2009** at the Resource Center. Right before the next flyby!!! Or schedule it at your convenience for your location.



Do you teach the "E" in STEM Education?



Discover how to teach higher order thinking skills in an exciting, meaningful way by incorporating Engineering into your curriculum. Learn how easy it is to create design challenges that engage your students and require only simple materials. This **3 hour** workshop is available at the Resource Center from 5:30-8:30 pm on **October 29, 2009**.



Introduction to Internet Resource Materials

The internet is loaded with FREE supplementary science materials. Find out where they are located and how they will help you meet the California Science Standards in this hands-on workshop. This **3 hour** workshop will be held at the Resource Center from 5:30-8:30 pm on **November 5, 2009**.



Family Math or Science Night

Create excitement and get parents involved with your school. Attend this workshop to find out HOW to organize this event at your school. We will discuss WHAT to include and WHERE to get ideas to make the event a success. This **2 hour** workshop will be held at the Resource Center from 5:30-7:30 pm on **October 8, 2009**.



Science Take-Home Bags

How can a convention bag help you teach science? Attend this workshop and find out!! We will provide the bags and ideas. You will provide some imagination!! This **2 hour** workshop will be held at the Resource Center from 5:30-7:30 pm on **October 19, 2009** or schedule it for your location.



Kid-Friendly Report Design & Science Journals

Looking for a more interesting way for your students to present science reports? Have you been wondering how to implement science journals into your curriculum? This workshop will introduce you to a fun, kid-friendly report design. This **3 hour** workshop will be held at the Resource Center from 5:30-8:30 pm on **September 24, 2009** or schedule it for your location.

Science & Technology Teacher Resource Center

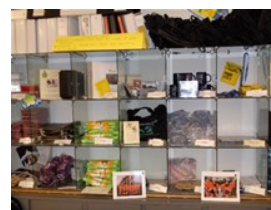
Located at NTC Promenade (former Naval Training Center) in Point Loma, just off Rosecrans Street
2825 Dewey Road # 205
San Diego, California 92106



CALL 619-847-5518
for an appointment
to view the Center.

We can be reached at:
sfreeburn@sgeei.org

Questions, comments, or to add or remove yourself from the mailing list
email us at sfreeburn@sgeei.org or
call **619-847-5518**



What's In Stock?

Sea World has delivered some wonderful **posters and books!** Hurry to pick some up while they remain on our shelves!
We have **tote bags** from conventions that were held in San Diego. Tote bags are a wonderful way to store science units. Drop by and pick some up to help organize your science materials.

Discover all of the wonderful **FREE** treasures available to take back to your classroom!

Things To Know About!

Science programs you don't want to miss.

Create Your Own Video Vault at <http://www.getmiro.com/>

Miro is like iTunes for video. With it, you can download videos from sites like YouTube and TeacherTube and save them on your local hard drive. So, when school is back in session you can arrive in class with a host of content specific videos loaded on a flash drive or on your laptop. You'll never waste precious teaching time waiting for downloads or fighting filters again.

Getting ready for school? Here are some free printables to go with cute themes
<http://www.teachfactory.com/thememachine/>



Spider's Prey

Web Sites of the Month—www.mathtreasure.com

Here is a compilation of Math Games and Math Activities. Play games such as Sudoku, Towers of Hanoi, Mind-reader, Concentration-memory game, Tic-tac-toe, Jigsaw Puzzle and other math activities. New games are uploaded regularly.

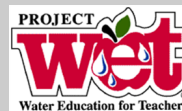
Environmental Education Workshops

These award winning programs provide more than just an introduction to environmental ed. They are balanced programs that **teach how to think, not what to think.** Each program is aligned to the California Science Standards and teaches science concepts and skills in fun, collaborative ways. **Attendees to each workshop will be provided a FREE 450+ page Environmental Education Guide of games & activities to enhance your teaching of water, wildlife, or the environment.**



What do you do with a Tree Cookie?

Discover activities to increase your students' awareness and knowledge of the environment, as well as their place within it. Project Learning Tree is a **6 hour** workshop that will be held at the Resource Center from 9am—3pm on **October 3, 2009**



WET stands for Water Education for Teachers.

Join us for an introduction to how water impacts our lives. Learn how to teach water related concepts through hands on games and activities. This **6 hour** Project WET workshop will be held at the Resource Center from 9am—3pm on **August 15 or October 17, 2009.**



How much wildlife is in your school yard?

This **6 hour** Project WILD Workshop provides you with games and activities to use with your students that introduce them to how animal life fits into the environment. This workshop will be held at the Resource Center from 9am—3pm on **November 14, 2009.**

Fundamentals of Inquiry

From the *Exploritorium* in San Francisco, this series of 3 workshops serve as building blocks for an immersion into inquiry by focusing on various hands-on approaches and process skills related to inquiry learning.

Workshop I Comparing Approaches to Hand-On Science Participants discover that different approaches to hands-on teaching support different goals for learning.

Workshop II Process Skills Participants identify the tools needed to carry out inquiry and examine the role of these skills in learning.

Workshop III Raising Questions Participants examine the kinds of questions learners ask about phenomena and find out how to turn "noninvestigable" questions into "investigable" ones.

These **3½ hour** workshops will be held on Monday mornings in August at the Resource Center. The Workshops will run from 8:30am—noon on **August 17, 24, and 31.**

Call 619-847-5518 to sign up for this FREE Workshop Series



Call 619-847-5518 to schedule a time or to sign up for a FREE workshop.

?? Questions to Ask ??

~Attention Focusing~

Did you notice _____? What is it? What does it do?
What did you see, feel, hear?
How many? How long? How much?
How are they the same? How are they different?
Check size, shape, color, texture...



~Action~

What happens if _____?
Can you find a way to _____?
How could you change what happened in the experiment?
Can you think of a different way?

~Thinking~

Was that like anything you've seen before?
What did it make you think of?
Do you see a pattern?
Predict...



~Probing~

Explain what you are thinking.
Why do you think _____?

Tell me more.

What do you mean?
How did you do that?
Why do you say that?
What else?
Could there be another reason?
Could you explain that to me again?
Do you have other ideas about that?
Do you have other thoughts about that?
What are you wondering?

