



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

Do Oil and Water Mix?



Do Oil and Water Mix? Capture your students' imaginations. Guide your students as they:

- Sharpen their **observation skills**
- Conduct a **careful investigation**
- Make **predictions**
- **Ask questions**

See the last page of this NEWSLETTER for attached handout.

Upcoming Workshops

Looking for something to brighten your teaching this summer?

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 repertoire. Workshops are offered at our site or **they may be scheduled at a time or place more convenient to you.** Call **619-255-2912** to schedule a time. We have received a generous grant that makes these workshops possible!



Science Take-Home Bags

What can you do with a convention bag? 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 9-11 am on June 19 & July 11 and from 7-9 pm on July 2, 2008.

June 1, 2008

What's In This Issue?

Activity of the Month
DO OIL AND WATER MIX?

Upcoming Workshops

- Science Take-Home Bags
- Kid Friendly Report Design
- Project Learning Tree
- Project WET
- Project WILD
- Introduction to Internet Resource Materials

What's In Stock?

Free classroom materials!

Spider's Prey

Web Site of the Month
Exploratree

Things To Know About

Education Alley
Send Your Name to the MOON



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

Kid-Friendly Report Design

Looking for a more interesting way for your students to present science reports?

This workshop will introduce you to a fun, kid-friendly report design.

This 3 hour workshop will be held at the Resource Center from 6-9 pm on June 18 and 9-noon on July 7 & 16, 2008.



Project Learning Tree



What do you do with a Tree Cookie?

Discover activities to increase your students' awareness and knowledge of the world around them, as well as their place within it.

Attendees will be provided a FREE 470 page Environmental Education Activity Guide.

This 6 hour workshop will be held at the Resource Center from 9am-3pm on Tuesday July 1, or Thursday July 17, or August 7, 2008.

Project WET

WET stands for Water Education for Teachers. Join us for an introduction to how water impacts our lives. Attendees of this 6 hour workshop will be provided with a FREE 500+ page curriculum & activity guide filled with games and activities to use with their classes.

This workshop will be held at the Resource Center from 9am to 3pm on July 3, or August 5, 2008.

Project WILD

This 6 hour workshop provides you with games and activities to use with your students that introduce them to how animal life fits into the environment. Attendees will receive a FREE 500+ page curriculum & activity guide. This workshop will be held at the Resource Center from 9am-3pm on July 14, or August 13, 2008.

Introduction to Internet Resource Materials

The internet is loaded with FREE supplementary science materials. Find out where they are located in this hands-on workshop.

This 3 hour workshop will be held at the Resource Center from 6-9 pm on June 4 and from 9-noon on June 20 & July 10, 2008.



What's In Stock?

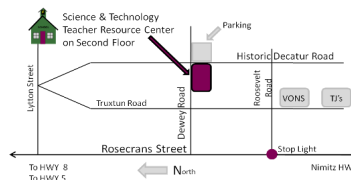
This is the place for teachers to obtain **free** classroom materials.

- If you have been looking for **safety goggles**, we currently have a nice supply on hand.
- We have **small aprons** to help keep your little scientist's clothes clean.
- A supply of large, brightly colored tee shirts is currently available.

Drop by to discover all of the wonderful treasures available to take back to your classroom!

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 619-255-2912
for an appointment
to view the Center.

We can be reached at:
teacher@csgf.org

Science is FUN

Sherlock Holmes and Dr. Watson are going camping. They pitch their tent under the stars and go to sleep. Sometime in the middle of the night, Holmes wakes Watson up: "Watson, look up at the stars, and tell me what you deduce." Watson says, "I see hundreds of stars and even if a few of those have planets, it's quite likely there are some planets like Earth, and if there are a few planets like Earth out there, there might also be life." Holmes replied: "Watson, you idiot, somebody stole our tent."

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I've learned that people will forget what you said, people will forget what you did, but people will never forget how you made them feel.

Maya Angelou

Questions, comments, or to add or remove yourself from the mailing list
email us at sfreeburn@csgf.org or call **619-255-2912**

Spider's Prey

Web Site of the Month – Exploratree

Exploratree is a free web resource from the United Kingdom that you can use to make your own interactive thinking guides. Thinking guides are tools or frameworks for thinking through an issue and considering different aspects or perspectives. They can help to develop thinking skills. Thinking guides can support independent and group research projects with frameworks for thinking, planning and enquiry. They've provided a set of ready-made guides which you can print out or use online. All of the guides are completely customizable or you can start from scratch and make your own! You can share them and work on them in groups too. The guides are useful for exploring, developing and analyzing ideas, solving problems, and looking at different perspectives, If you are not familiar with SCAMPER check out this useful thinking guide!

www.exploratree.org.uk/please_activate.php

Things To Know About!

Science programs you don't want to miss.

Education Alley is coming to San Diego.

Take your class on the ultimate field trip.

Want to know how to go to space? Demonstrations, presentations, special guests, hands on activities, and a few surprises will help students and teachers find the answer.

Want to know what you can be when you grow up? We will have some ideas from aerospace professionals, scientists, and other pioneers. Most importantly, Education Alley is the place to learn and have FUN.

What happens at Education Alley?

Students have the amazing opportunity to meet the professionals in the exciting field of aerospace. NASA brings displays of things they are working on. Aerospace companies bring displays of their products. Special speakers and presenters talk about the work that they do. Education Alley is more than just listening or looking it is also doing.

Students have the opportunity to do hands on activities. In the past they measured the height of things with a protractor, they froze flowers, they created craters, they used a solar cooker to toast a marshmallow, and they even ate marshmallows that they froze.

Don't miss this unique free educational opportunity happening right here in San Diego September 9 through 11. Registration opens June 13 and fills quickly! Go to www.aiaa.org/educationalley or call Sharon at 619-847-5518 for more information.



Send Your Name to the Moon Aboard LRO!

NASA invites people of all ages to join the lunar exploration journey with an opportunity to send their names to the moon aboard the Lunar Reconnaissance Orbiter, or LRO, spacecraft.

The Send Your Name to the Moon Web site enables everyone to participate in the lunar adventure and place their names in orbit around the moon for years to come.

Participants can submit their information at <http://lro.jhuapl.edu/NameToMoon/>, print a certificate and have their name entered into a database. The database will be placed on a microchip that will be integrated onto the spacecraft. **The deadline for submitting names is June 27, 2008.**

Do Oil and Water Mix?

You will need:

- A clear glass jar or other container
- Vegetable oil
- Water
- Food coloring
- Salt



What you do

1. Pour about 4 inches of water into the jar.
What do you think will happen when oil is added?
2. Add 1 inch of oil. When it has settled see if the oil and water have mixed.
Where is the water? Where is the oil?
What do you think will happen when food coloring is added?
3. Add a drop of food coloring to the jar.
What happens to the drop?
What do you think will happen if a little salt is sprinkled on the top?
4. Sprinkle a little salt on top of the oil and watch carefully.
What happens to the food coloring? What happens to the salt?
5. Add more salt to keep the action going.

What's going on?

Oil and the water don't mix. They are **immiscible**. Oil is less dense than the water, so when you add oil to the jar it sits in a layer on top of the water. The food coloring sits on top too, until you add the salt...

Salt doesn't dissolve in oil. It is **insoluble**. It is also **denser** than the oil. When gravity pulls the salt down to the bottom of the glass the salt drags some of the oil with it in little blobs. As the salt reaches the water it starts to dissolve and the blobs of oil rise up to join the layer on the top again.

Once all the salt you've added has dissolved, the mixture calms down - until you add more salt!

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