



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



Rowdy Raisins

This month's activities will allow your students:

- Sharpen their observation skills
- Make predictions
- Test their ideas

See the last page of this NEWSLETTER for attached handout.

October 2008

What's In This Issue?

Activity of the Month

Rowdy Raisins

Science Talk—Oct 20

Upcoming Workshops

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

What's In Stock?

Free classroom materials for Back to School

Spider's Prey

Web Site of the Month—NASA

- Courage to Soar
- Getting Dirty on Mars

Things To Know About

Art Contest

Are you the **ONLY** teacher at your school who thinks science is cool ???

Do you like messy, oozy experiments?

Are you in need of some **collaboration** with other like minded teachers?

Join us on Thursday, October 16 at 6pm at the Science & Technology Teacher Resource Center for

Science Talk

Science Talk is a new monthly meeting of San Diego County Elementary Teachers who would like to exchange ideas about content, activities,... in teaching science.

Upcoming Workshops

TIME FOR FALL WORKSHOPS !

School has started.

Join us for **IDEAS** to make this year **GREAT!**

Come today, use it tomorrow!

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 or to sign up for a workshop.

We have received a generous grant that makes these workshops possible!



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

Environmental Education

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 State Standards and teaches science concepts and skills in fun, collaborative ways. Don't miss out on these wonderful FREE workshops—sign up today!



Project Learning Tree

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. **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 Nov 8, 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-3pm on Oct 18, 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 Oct 25, 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 Oct 22, 2008



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 6- 8 pm on Nov 5 , 2008.

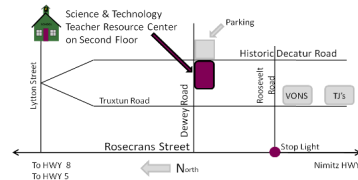
Kid-Friendly Report Design

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 Oct 14, 2008.



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:
sfreeburn@csqf.org

Science is FUN

Why did the flea fail his exams?
He wasn't up to scratch!

Why wouldn't they let the butterfly into the dance?
Because it was a moth ball!

Where would you put an injured insect?
In an antbalance!

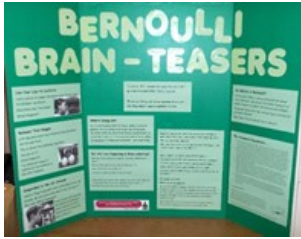
What do insects learn at school?
Mohtematics

What do you get if you cross some ants with some ticks?
All sorts of antics!

Why did the bees go on strike?
Because they wanted more honey and shorter working flowers!

Two cockroaches were munching on rubbish in an alley. "I was in that new restaurant across the street," said one. "It's so clean! The kitchen is spotless, the floors are gleaming white. It's so sanitary the whole place shines." "Please," said the other cockroach, frowning. "Not while I'm eating!"

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



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 6—8 pm on Oct 30, 2008.



What's In Stock?

School is starting and it is time to get school supplies.

Visit the Science and Technology Teacher Resource Center and take back to your classroom FREE pencils, binders, and other goodies that have been donated!



Spider's Prey

Web Site of the Month — NASA

The Courage to Soar Educator Guide -- Grades 3-5

http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/The_Courage_to_Soar.html

This integrated unit allows students to conduct scientific experiments, construct aircraft models, and read selections and research topics about aviation. The 23 lessons in this guide support national math, science, technology, geography and language arts standards. The lessons have built-in assessment opportunities. Students will build sled kites, rotor motors, foam airplanes, straw aircraft and a model X-43 glider. They will also experiment with air, gravity, lift, thrust and drag. Some activities include vocabulary lists and reading selections.

Getting Dirty on Mars -- Grades 5-12

http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Getting_Dirty_on_Mars.html

The Mars Phoenix lander is digging through the soil of the Red Planet and collecting samples. In this activity, students will:

- Work in cooperative groups to collect soil samples from the field, just as NASA's robotic Phoenix Mars Mission collects samples on the Red Planet.
- Understand the properties of soils.
- Examine soils for their ability to sustain organisms.

Students will measure the soil moisture content, compare soil colors, look for biomarkers and measure pH to make their comparisons. They will then present a "Soil Properties Report."

Things To Know About!

Science programs you don't want to miss.



Entries are currently being accepted for the 13th Annual Institute for Global Environmental Strategies Art Contest for students in grades 2-4. This year's theme is "Trees: Making a World of Difference." Participants are encouraged to learn how trees help to create a healthy environment. The students then draw a picture showing what they learned.

The contest is open to all U.S. citizens in grades 2-4. The winning entry will be used as the IGES holiday e-card. The first-, second- and third-place artists will receive gift cards. All entrants will receive a certificate of participation.

Entries are due on **Oct. 24, 2008**. For more information, visit <http://www.strategies.org/education/index.aspx?sub=education&sub2=student&sub3=2008contest>. If you have questions about this contest, please contact info@strategies.org.

"The toughest thing about success is that you've got to keep on being a success."

--Irving Berlin,
American composer



Rowdy Raisins



Materials

- Goggles
- Clear plastic cups
- Plastic spoons
- Water
- Vinegar
- Baking soda
- Raisins
- Noodles
- Paper clips
- Crumpled paper
- Beans
- Broken pieces of spaghetti

Part One

Step 1: Measure 1 cup of water into clear plastic glass.
Stir in 3 teaspoons of Baking soda until dissolved.
Add 9 teaspoons of vinegar.
Observe. What do you see?
Have you combined these materials before?
Did they react the same way?

Step 2: Place 5 raisins into the glass. Wait.
What do you observe?

Part Two

Step 1: What do you think will happen when you add:

- Noodles
- Beans
- Crumpled paper
- Paper clip
- Broken pieces of spaghetti

Observe and record your findings.
Make a chart to show your findings.

