



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.

Welcome Back to School

Activity of the Month



Water, Water

This month's activities will allow your students to experience some wet activities while it is still warm.. They will also:

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

See the last page of this NEWSLETTER for attached handout.

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 September 15 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!

September 2008

What's In This Issue?

Activity of the Month
Water, Water

Science Talk—Sept. 15

Upcoming Workshops

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

What's In Stock?

Free classroom materials for Back to School

Things To Know About

- Space—Flown Basil Seeds
- Names in Space
- Toshiba Grants



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



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 Sept 24 and 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 Sept 23 and Oct 14, 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 Sept 16 and Oct 22, 2008

Environmental Education

These award winning programs provide more than just an introduction to envi-
ronmental 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
Sept 13 and Nov 8, 2008

Project WET

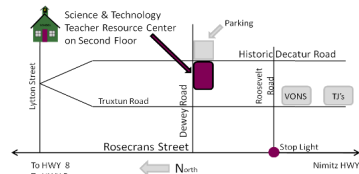
WET stands for Water Education for
Teachers. Join us for an introduction to
how water impacts our lives. Attendees
of this 6 hour workshop will be provided
with a FREE 500+ page
curriculum & activity guide filled with
games and activities to use with their
classes.
This workshop will be held at the
Resource Center from 9am-3pm on
Sept 20 and 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
Sept 27 and Oct 25, 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

To make you think:

What runs but never walks?
Water!

What is white when it's dirty and
black when it's clean?
A blackboard!

What kind of coat can you put on
which doesn't have buttons, a zip-
per, or sleeves?
A coat of paint.

What do you throw out when you
need it and take in when you don't
need it?
An anchor!

What belongs to you, other people
use it a lot, but you hardly ever use
it?
Your name!

What starts with a T, ends with a T,
and is full of T?
A teapot!

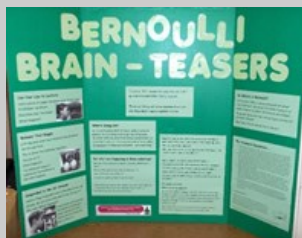
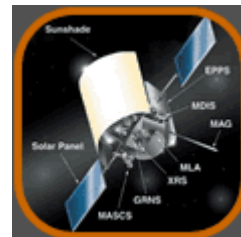
What's a quick way to double your
money?
YOU FOLD IT!

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

NEW

MESSENGER spacecraft will perform its second flyby of Mercury on Monday Oct 6, 2008

Learn how to incorporate this historic NASA event into your classroom. STTRC is holding a special 3 hour workshop to introduce you to the amazing materials that have been created to help you bring the solar system into your classroom. This workshop will be presented by NASA MESSENGER Educator Fellow, Sharon Freeburn, at the Resource Center from 6-9 pm on Sept 25, 2008.



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 Sept 17 and 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!



Things To Know About! Science programs you don't want to miss.



Space-Flown Basil Seeds Still Available for Lunar Plant Growth Chamber Design Challenge

The NASA Engineering Design Challenge: Lunar Plant Growth Chamber has positively impacted educators and students nationally. Currently over 1,000,000 students are involved! Plenty of space-flown seeds are still available.

To register for the Challenge and receive seeds, visit at <http://www.nasa.gov/education/plantchallenge>.

Put Your Students Names in SPACE!

NASA invites you to submit your name to be included on a DVD that will be rocketed into space as part of NASA's Kepler Mission, scheduled to launch in February 2009.

The Name in Space DVD will be mounted on the exterior of the spacecraft in November 2008. A copy of the DVD with all of the names and messages will be given to the Smithsonian Institution's National Air and Space Museum in Washington, D.C.

Those who want to participate in the Name in Space project should submit their name, the state or country they live in and, if they desire, a short statement (500 words or less) answering the question: "Why do you think the Kepler Mission is important?"

A Certificate of Participation will be generated for printing when you register on the Kepler Mission Web site.

The deadline for submissions to the Kepler Mission Web site is **Nov. 1, 2008**.

To submit your name and learn more about the Kepler Mission, visit <http://kepler.nasa.gov/>.



Toshiba America Foundation Grants

Toshiba America Foundation (TAF) is currently accepting applications for grants to support innovative projects designed by math and science teachers to make their own classrooms more exciting and successful for students. (Up to \$1,000 for math and science teachers) Any K-6 teacher in a public or private (non-profit) school is eligible. Proposal must engage young people in hands-on learning or inventive classroom projects that enhance the current curriculum.

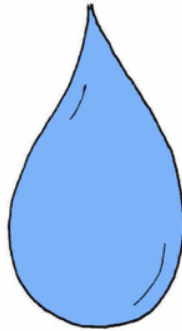
For more information go to: www.toshiba.com/tafpub/jsp/home/default.jsp

Application forms can be downloaded from the "How to Apply" section of www.taf.toshiba.com.

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

Water, Water

Wet Activities to Do While It Is Still Warm



Materials:

- Plastic cups filled with water
- Wax paper
- Eye droppers
- Pennies and nickels, dimes, and quarters
- Magnifying glass
- Paper clips
- Fork

Looking at Drops

Place a drop of water on a piece of wax paper.

Use a magnifying glass to look at the drop. What do you see?

How Many Drops?

How many drops will fit on the head of a penny?

Make your prediction, then test your idea by placing drops on the penny.

Were you correct? Do you need to change your prediction and test again?

Look at the edge of the penny. What shape do you see? Have you seen this shape before?

How many drops of water do you think will fit on the head of a dime, quarter, or nickel?

Floating?

Does a paper clip float or sink?

Can you get a paper clip to stay on the surface of the cup of water?

Try using the tines of a fork to carefully place a paper clip on the surface of the water.

Look carefully at the paper clip on the top of the water. Describe what you see.

Vocabulary:

Cohesion - Water is attracted to other water.

Adhesion - Water can be attracted to other materials.

Surface Tension - Cohesion of water molecules at the surface of a body of water.