



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

## *Bernoulli*



Bernoulli discovered that when flowing air or water changed its speed, its pressure also changed.

This month's activities will allow your students to see this counter-intuitive process in action. They will also:

- Sharpen their observation skills
- Make predictions

See the last page of this NEWSLETTER for attached handout.

### Upcoming Workshops

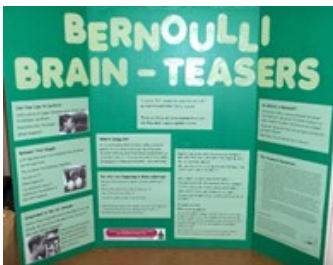


**LAST CALL FOR SUMMER WORKSHOPS!**  
School is just around the corner  
Join us for **IDEAS** to make next year **GREAT!**

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!

**\*\*\*NEW\*\*\***

### 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 9-11 am on Aug 8 and 6-8 pm on Sept 17, 2008.

August 1, 2008

### What's In This Issue?

Activity of the Month  
*Bernoulli*

#### Upcoming Workshops

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

#### What's In Stock?

Free classroom materials!

#### Spider's Prey

Web Site of the Month-  
Eye On the Sky

#### Things To Know About

Education Alley

Space Science is for Everyone



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 9-11 am on Aug 21 and from 6- 8 pm on Sep 24, 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 9-noon on Aug 15 and from 6 -9 pm on Sept 23, 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 9-noon on Aug 19 and .from 6-9 pm on Sept 16, 2008

### 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 Aug 7 and Sept 13, 2008

### Project WET

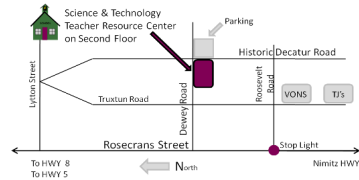
WET stands for Water Education for Teachers. Join us for an introduction to how water impacts our lives. Attendees of this 6 hour workshop will be provided with a FREE 500+ page curriculum & activity guide filled with games and activities to use with their classes.  
This workshop will be held at the Resource Center from 9am to 3pm on Aug 5 and Sept 20, 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 Aug 13 and Sept 27, 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](mailto:sfreeburn@csqf.org)

### Science is FUN

Why did the boy become an astronaut?  
Because he was no earthly good!

What do astronauts wear to keep warm?  
Apollo-neck sweaters!

Where do astronauts leave their spaceships?  
At parking meteors!

Where do Martians drink beer?  
At a mars bar!

How do you get a baby astronaut to sleep?  
You rock-et!

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*"Appreciation is a wonderful thing: It makes what is excellent in others belong to us as well."*

--Voltaire,  
French philosopher

## What's In Stock?

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

Come in and get **convention bags** to store your science units.

Place all the materials for a unit in a bag and store on a shelf for organized retrieval. Next year everything you need to teach the unit will be together and you won't have to search for supplies.



## Spider's Prey

Web Site of the Month — Eye on the Sky



Astronomy Lessons and Activities for the Elementary (K-6) Classroom. Presented by Project FIRST (Fostering Reading Through Science and Technology).

The source of heat and light, the Sun is a great topic for investigation in your classroom. Using hands on models your students will learn about: change, constancy, measurement, evidence, models and experimentation. They will also learn about position and motion of objects, objects in the sky, and changes in earth and sky.

## Things To Know About!

Science programs you don't want to miss.

**Education Alley is coming to San Diego.**

**If you haven't signed up yet there is still room!**

CALL TODAY for your class to participate in this amazing free educational opportunity.

Don't miss this unique happening right here in San Diego September 9 through 11. Go to [www.aiaa.org/educationalley](http://www.aiaa.org/educationalley) or call Sharon at 619-847-5518 for more information.



**Space Science Is for Everyone:**

**Creating and Using Accessible Resources in Educational Settings**

[www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Space\\_Science\\_Is\\_for\\_Everyone.html](http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Space_Science_Is_for_Everyone.html)



Over the past seven years, the Southeast Regional Clearinghouse, or SERCH, convened seven highly successful "Exceptional Space Science Materials for Exceptional Students" workshops. The workshops offered professional development training and resources for the teachers of students with disabilities, science educators (both formal and informal), and product developers who are working to make Earth and Space science concepts more accessible for persons with disabilities.

This collection of helpful hints and resources is based on the seven workshops, the expertise of the participants and product testing in classrooms around the United States following these workshops. The brochure is offered as a tool for science, technology, engineering and mathematics educators who are working with students and/or audiences with disabilities. Some activity descriptions are supplemented with case study examples addressing a particular disability. In addition, contributing educator-authors have provided a variety of lessons learned from formal education (Pre-K-12), home school education and informal or "free-choice" education learning venues, such as science centers, museums and planetariums.

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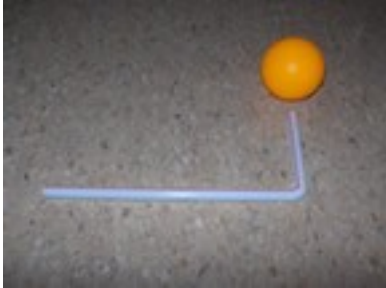
Questions, comments, or to add or remove yourself from the mailing list  
email us at [sfreeburn@csgf.org](mailto:sfreeburn@csgf.org) or call **619-255-2912**

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# Bernoulli

In the early 1700s, a Swiss mathematician named Daniel Bernoulli discovered that: **when flowing air or water changed its speed, its pressure also changed.**



## Materials:

- Paper—1 inch X 11 inches & 8 1/2 inches X 11 inches
- Balloons—round
- Yarn—6 inch pieces
- Straws—flexible & straight
- Soda cans—empty

As you do these activities, can you figure out how the pressure changes?

## Activities:

1. Hold a piece of paper (1 inch X 11 inches) between your thumb and forefinger. Now blow over the paper. What happens?
2. Blow up two round balloons and attach 6 inches of yarn to the end of each. Tie the ends of the yarn to a ruler and let the balloons dangle at eye level. Lift the pole over your head so the balloons are at eye level. Try to blow the balloons together. Can you do it? What happens? Try different ways of blowing on the balloons to see what happens.
3. Bend a flexible straw to form a right angle. Put the long end of the straw in your mouth and point the short end up. Hold a Ping-Pong ball over the straw. As you blow into the straw, let go of the ball. What happens? Play around with holding the straw in different ways. Can you tilt the straw and still keep the ball in the air?
4. Fold a piece of paper in half the long way (hot dog fold). What will happen when you blow into the tent? Try it.
5. Use a straw to blow between two empty soda cans. What happens?