

SHUTTLEWORTH TIMES

Inspiration through education![™]

“Help take care of the planet.”
- L. Ron Hubbard

IMAX Theater

Chuckles and giggles erupted as the students placed the “glasses” on their noses in preparation for the Wild Oceans 3D film at the IMAX theatre. Jacob leaned forward and stretched out his hand as if to touch the dolphin. “Wow! It looks so real!” exclaimed Alexa.

The film depicted the oceans of South Africa where billions of fish migrate to feed each year. Whales, sharks, dolphins, penguins and birds arrive to feed on the billions of fish. That circle of life developed over millions of years. The film examined how global warming and overfishing were depleting the supply of fish and how that affects humans and the animals of the sea who depend on these fish for survival.

Students were awed as dolphins and sharks swam off the screen in pursuit of sardines. Ocean animals, normally predators of each other, came together in peace to devour enormous schools of sardines. Hunter and Zack were impressed with the penguins that could dart through schools of fish that were so thick they appeared as if they were one large entity. Jacob was amazed at how the schools of fish operated as one to protect themselves from predators. “A wonder of this world” exclaimed Kirsten.



Uri getting a closer look at cells.

ScienCenter

Our trip to the California ScienCenter was literally a larger-than-life experience. The 50' body simulator, Tess, demonstrated how the body works. We watched the heart pump. The blood pulsated through the gigantic arteries. We saw how the nerves worked in coordination with one another. The lungs inhaled and exhaled in gargantuan proportions (remember she is 50' in size!).

The students were able to see first-hand the three things that should be kept in balance: temperature, oxygen and fuel. If the oxygen and fuel get unbalanced, one can get overheated and exhausted. “I don't think you would feel very good,” observed Jessica.

What would it be like to be able to “see” like a bee? Ty peered through the eyes of a model bee head. At once the flower was larger than life. She was able to see the pollen with a bee's ultraviolet vision. “Wow! It looks like I'm seeing through lighting! Everything is purple.”

Bees are only one of the incredible flying creatures in the world. Their wings allow them to fly in all directions: up, down, forward and yes—backwards! Their wings also allow them to hover and glide with the wind.

Back at the school our students made their very own bee gliders. They used paperclips to test how the weight affected their bee's flight. These “busy little bees” had a “flying” good time!

CALENDAR

What?	Where	When
Blood Drive	Children's Hospital	February
Observatory	Hollywood	2/17
Washington's Birthday	School Closed	2/16
Open House	School	3:00-6:00 2/19

Science-fun

What happens when you put an uncooked egg in a glass filled with vinegar? The result: bouncing eggs?

Our primary students really wanted to know if this actually worked. Excitement abounded at the thought of doing an experiment to make bouncing eggs. Their parents would not believe these tales!

The eggs were left to soak in vinegar for three days. Every day the students eagerly watched as the eggs seemed to be covered by what appeared to be a white foam. By the second day the eggs began to float. On the third day the eggs were twice their size. Finally, the students were ready to try bouncing their eggs. Yes, like rubber balls.

Sofia said her vinegar egg felt soft like a rat, while Cherish said hers felt like a water balloon. When Nathan looked at his egg, he exclaimed, "WOW, it grew!"

First egg went down with a soundless crash as it hit the floor and broke, then the next and so went each egg after that. "Oh no, our experiment failed!"

The students discussed the reasons why they thought the experiments didn't work. They examined normal eggs and compared them to their experimental eggs. They decided that the eggs had not soaked long enough and were more determined then ever to try the experiment again.

But wait, what about the foam? When the students took a closer look at the foam, they discovered that the "foam" was in fact the egg shell now completely dissolved into tiny pieces. This new fact gave the students a bigger reason why the experiment should be done again. They decided to let the eggs soak much longer than three days.

Nathan, Ashley and Cherish suggested that it would have worked if they had soak longer because the membranes of the eggs had become pouches but the eggs were still too heavy for bouncing.

Although the experiments "failed," the students learned some chemistry as well as being critical thinkers to figure out what did happen so that they could try the experiment again. Yes, this "failed" experiment was a huge SUCCESS!!



Skye running around like a busy bee.

YESS!

Youth Excelling in Spirit of Service

Canned Food Drive

One can, two cans, three cans and more! Students brought donations of canned goods from home and even their neighbors pitched in. People Assisting the Homeless (PATH) will share the donations to those who need them most. Thanks to all our students and generous donors for your help in making this such a huge success!

Volunteers Needed!

Help the children of the Children's Hospital by donating a pint of blood. For an appointment please call Gus at (323) 361-2441.

Special Video!

We have a few copies of our video "Celebrating 10 Years!" Please speak to Jeniffer about your copy.

Thank you!

Thank you Jerry Keane for those wonderful photos you took during the Winter Holiday Show.

Thanks Jose Hernandez from Fabis Party Supply for your tremendous ongoing support of our school and local community.

Thanks Mark Miglio for your valuable assistance with our students.

To all our parents and volunteers, your help is very valuable and very much appreciated! Together we are making a difference!

*Our classroom is not the world;
rather, the world is our classroom!*

Mary Shuttleworth, EdD
Founder

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