

SHUTTLEWORTH TIMES

Inspiration through education![™]

“Save the child and you save the nation.”

- L. Ron Hubbard

Roller Rink Fun

Let the good times roll! It was a rollicking good time at the Moonlight Roller Rink in Glendale. Students from young to old; tall to short shook with anticipation and excitement, some putting on skates for the very first time.

Erik, one of our primary students, being an expert skater, offered his hand to some of the adults as he switched roles from student to teacher. Margarita went down once, but that only made her more determined to learn.

Charlie and Catalina went in on wobbling legs, hit the floor a few times here and there, yet that didn't stop them from wanting to learn. They persisted until they rolled along to the music with fun filled excitement.

Nabeel, Hector and G'vonnii went in for the first time rolling across the rink. In the spirit of determination they soon took to skating like ducks to a pond.

Edward took to skating the classical way, along with feet, arms and legs flying up in the air. Josh taught us that keeping your arms tucked in made it easier to balance. Of course, the trick to not falling right on your bottom, is making sure that when you are about to fall backwards, one just moves their body forward and tucks in their knees. That's how balance and wheels work together to keep gravity from pulling you down.

Wheels & Ball Bearings

What makes a wheel run smoothly along a surface? What are ball bearings? What is their connection?

Ball bearings are a vital part of wheels that prevent friction that would otherwise make the wheel sticky. Bearings reduce friction by providing smooth metal balls or rollers, and a smooth inner and outer metal surface for the balls to roll against. These balls or rollers "bear" the load, allowing the device to spin smoothly. The students passed around a wheel where they could see the bearings inside and how these bearings created a smooth spin.

As they looked at the workings of the ball bearings they started looking around and started seeing different uses for them and learned how they are used by architects in the design of buildings.

Bearings are not always small and the students were all amazed to find that giant ball bearings (1.5 meters in diameter) are built into the base of pillars at the San Francisco airport allowing the buildings to gently roll during an earthquake, thereby preventing them from cracking apart by being too rigid.

Roller skating took on a whole new meaning once the students discovered why the wheels work so smoothly.



Nabeel and G'vonnii—first time on rollerskates!

Once everyone learned to skate they found out you can dance and play just as well on wheels as you do on feet!

CALENDAR

What?	Where?	When?
Blood Drive	Children's Hospital	March
Study Tech Seminar	School	3/10
Animal Shelter	Burbank	3/19
Easter Break	CLOSED	3/24-3/28

Making Paper

This month our students learned a different formula. Making paper!

With great enthusiasm the students set out tearing up newspaper and a variety of colored construction paper into millions of tiny pieces. Next, all the torn pieces were put into the blender with water. The students watched with fascination as the paper spun and mixed with the water to make a thick colored soup.

As each team of students blended their concoction, the colors came out differently. The first team's blended mixture came out green, the second's was a dark purple. The third was made grey, then a light purple and finally a yellowish color. Abby's first reaction was to back away from her odd looking mixture. This lasted only a few seconds before curiosity took over and she had her hands dipped in to discover the texture of her colored mixture. Adam first dipped only one finger into his mixture then slowly but surely he added another and yet another until his hands were fully emerged and squishing the pulp between his fingers!

Meanwhile, it was a craftsman's dream of wood, wire, staplers and duct tape as the paper molds were put together.

Squish, squash. In and out the molds were dipped until all the students were able to have the chance of making their very own sheets of paper. By the end of the afternoon paper was in every little hand. Emil tentatively said that it looked more like a piece of cloth than a sheet of paper. Happily they laid out their paper to dry.

When they came back Monday their sheets of paper were dry. But, to the surprise of all the students, they no longer had green, dark and light purple, grey or yellow paper. Instead, they found grey with hints of green, dark and light pink and grey paper that were thick and stiff, looking not like paper they are use to, but like sheets of old fashioned parchment paper.

Next they get to write on them!



Natalie and Kirsten make paper.

YESS!

Youth Excelling in Spirit of Service

SHOE DRIVE

Thanks to a donation from a generous donor, who prefers to remain anonymous, children in Texas, San Diego, Orange County, and Los Angeles received new shoes. Payless Shoe Stores worked with us to accommodate the large orders of shoes and gave us additional discounts. Organizations who helped us distribute the shoes to the children in need included the United States International

Mission (USIM), S.T.R.I.K.E. Force Training, Saving Lives through Alternate Options, Bilateral Safety Corridor Coalition, Cast LA, and Children of the Night.

Thanks to our generous donor and the volunteers and staff who made this such a huge success. Your help touched the lives of hundreds of children.

Volunteers Needed!

Volunteers needed with our annual blood drive for the Children's Hospital. Please call (323) 361-2441 to make an appointment. Your donation could save the life of a child!

Thank you!

Our website has been updated. Thanks again to our longtime volunteer webmaster, Christian Peritore, for your valuable help and contribution! Thanks also to Tim Cummings and Hans Matthes who volunteered many hours to help make this happen. Thanks to our ED, Patricia Peskoler, and Director of Special Projects, Michele Kirkland, for your tenacity!

Thanks to Zandra Castaneda for your help with our fieldtrip. Your help really made a difference.

Your help is valuable and very much appreciated!

The world is our classroom!

Mary Shuttleworth
Founder

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EDUCATION SERVICES AND MATERIALS
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