

# SHUTTLEWORTH TIMES

*Inspiration through education!*<sup>™</sup>

“Never let it be said of you that you lived an amateur life.”

- L. Ron Hubbard

## Tour of Printing Press

Look around you. Chances are that there are printed materials all around you. There are books, business cards, brochures, newsletters, newspapers, etc. Ever wondered how a printing press works? Is it really possible that only four colors can be the basis in creating one million different colors in the world of printing?

The students all had a chance to find the answers when they visited Pressman Printing in Glendale. In the printing shop they learnt about the four color process of printing.

The students climbed up on to the deck of the printing press for a better view at the different rollers and the wells of ink; one for black, one for red, one for blue and last but not least important, yellow. Some even had a try at moving some of the rollers into the ink wells.

They were able to see first-hand what it looks like to print a full four-color piece. Sheets of paper were run through a pressrun past 4 different plates one at a time. Each of the 4 plates added a different color. To demonstrate this we watched as a sample brochure was put through the different colors. In this demonstration we saw that only the areas of the brochure that needed those colors were colored. It was almost like taking a blank coloring book and taking separate pages and only coloring in those sections on each page that required different colors. Sandra held up the sheets to compare the differences between these three sheets while all the students gathered around.



**Sandra viewing a finished four-color sheet.**

Four colors really can possibly be the basis for one million different colors! Thanks Pressman!

## Typing

What does China have to do with printing? This month we delved into the history of how printing came to be what it is today. Many of the students were amazed to discover that the concept of movable type was developed in China back in 1041, almost one thousand years ago! What was it like printing with movable type and not being able to simply type out your ideas on the computer? Since 1436 and the invention of the printing press with replaceable/movable wooden or metal letters, the world hasn't been the same.

With all of our technology today, the basic concept that was developed so many years ago is still evident today in printing, where plates are made with the letters raised off the plate. The students were able to experiment with different crude methods of this form of printing. The students set to work creating their very own stamps. Potatoes were sliced lengthwise. Designs were drawn and carved out. Some students made their letters out of sponges. The younger students made simple designs of stars and other forms carved into apple halves. How much harder must it have been to carve the small letters out of wood so many years ago? We had enough to do with making the letters from soft potatoes, apples and sponges. Then when the designs were carved out and the stamps ready, the students happily dipped their creations into their palettes of paint and created their very own printed pages! Some spills of paint formed these into pieces of art rather than mere words – well, that's all part of learning how things work!

## CALENDAR

| What?                   | Where?   | When? |
|-------------------------|----------|-------|
| Roller Skating          | Glendale | 2/11  |
| Valentine's Day         | School   | 2/14  |
| Presidents' Day         | CLOSED   | 2/18  |
| Study Tech Presentation | School   | 2/25  |

## Science Projects

The science fair is drawing near and the excitement is building. The theme? *How Things Work!*

Architects and engineers in the making, the students looked through books and magazines. They drew diagrams and plans. Next, lists of the parts needed were written down. Oops! That's when some projects closed down and the students had to rethink their projects, plans or designs. The projects chosen included building model cars, planes, trucks, tanks and ships.

Fingers stretching elastic bands, fingers piling and stacking, and fingers stuck together with glue. Sometimes it did not work out the way we thought and the pieces went flying. Well, that is part of hands-on learning. That's how we learn how things work.

Everyone's desk became their very own work station. With paper, glue and paint on the ready, the students got busy in building their models.

The first step was to ensure all the pieces were there. Now what goes where? Emil discovered he had to read the directions, that it wasn't enough to simply look at the pictures. As Courtney was building her truck things weren't looking as they were suppose to. She quickly got out her dictionary and started clearing the words in the directions that she didn't understand. Like magic she suddenly figured out how it worked and she soon had her truck built! At another station Zach was having trouble building his race car. It wouldn't work properly. He soon discovered that to have something work properly and to last, you had to build it correctly to start with. With it properly built he exclaimed, "Look at my race car go!"

Kirsten found out that if you don't follow instructions things can get really messy.

Still a lot to build, glue and paint but the projects are well underway now.

Be sure to come to our open house in April and see all our wonderful creations. With the hands-on demonstrations, you will get to see how things work!



Adam works on his model.

## YESS!

*Youth Excelling in Spirit of Service*

### TOY DRIVE

Bags full of toys were donated by our students, parents and volunteers. The toys were donated to the Bilateral Safety Corridor Coalition who distributed the toys during their holiday party.

The Bilateral Safety Corridor Coalition helps victims of illegal trafficking with shelter, food, education and the basics needed to return to productive normal lives. Many of the victims are children.

The children at the center were delighted. The piñata contained more goodies to bring even more joy and festivity to the occasion.

Thanks to all our students, staff and donors who made this project such a success. Those toys meant so much to children who otherwise would not have received gifts during the holiday season. You are making a difference!

### Volunteers Needed!

Volunteers needed with our science fair projects. If you can help with the planning and coaching of the projects please let us know.

### Thank you!

Thanks to Dottie Laster for your help with the toy drive.

Thanks to Joe Savick of Pressman Printing (818) 242-3654 in Glendale for hosting the tour of your printing facilities. Thanks also to Heidi Kumangai and the other staff for facilitating the tour. We highly recommend other school groups to take a tour and learn how the printing presses work. Thanks also for the donation of the paper and envelopes. We'll put those to good use.

Your help is valuable and very much appreciated!

*The world is our classroom!*

Mary Shuttleworth  
Founder

1334 L. RON HUBBARD WAY  
LOS ANGELES, CA 90027  
TEL (323) 660-8732  
FAX (323) 663-2013

WWW.MARYSSCHOOLHOUSE.ORG  
WWW.SHUTTLEWORTHACADEMY.ORG



© 2007 Shuttleworth Leadership Society International™. All Rights Reserved. Applied Scholastics and the Applied Scholastics open book design are a registered trademark and service mark owned by Association for Better Living and Education International and are used with its permission. Grateful acknowledgement is made to L. Ron Hubbard Library for permission to reproduce selections from the copyrighted works of L. Ron Hubbard.

Shuttleworth Leadership Society International is a non-profit corporation. Mary's Schoolhouse and Shuttleworth Academy, projects of Shuttleworth Leadership Society International, admit students of any race, color, national or ethnic origin.