

BRING SCIENCE TO LIFE! A SCHMAHL SCIENCE WORKSHOP PRESENTS "SCIENCE EXPLORATIONS"



An Afterschool hands-on science club for Holy Family School students. Do your kids like to take things apart or put things together? Do they like to ask questions, investigate and try to find answers? Come join SSW as we embark on a series of hands-on science exploration workshops. Learn about Science and Engineering in a setting where kids are free to explore and investigate what interests them. We offer science workshops that have been kid-tested, parent and teacher approved.

DATES: Tuesdays after school beginning Dec 8: **Please sign up for the Artistic Series by Dec 3.** Pre-registration is required.

TIME: 3:15 - 4:15 PM. Children must arrive and be picked up punctually. Students not picked up by 4:25 will be brought to daycare.

PLACE: Grades 2-5 - Room 6

INSTRUCTOR: All Workshops are conducted by fully trained and reliable SSW facilitators.

Artistic Science 1 (December 8; January 5, 12, 19)

Fee: \$72 per student

- **Jell-O Printing Press:** Make monotypes using gelatin. Gelatin monotypes can mimic a variety of printmaking techniques. Gelatin also possesses its own unique characteristics, lending itself to experimentation. These handmade prints can be used for book covers, cards, or simply as art.
- **Marbling with Shaving Cream:** Students marble paper with shaving cream and food color while exploring water, polarity, and hydrophilic and hydrophobic materials.
- **Tie-Die Coffee Filter Jelly Fish:** Few marine creatures look as mysterious as jellyfish. A coffee filter jellyfish is a unique craft that creates the opportunity to talk with children about jellyfish and other marine life, and the importance of preserving the aquatic environment.
- **Rainbows and Oil Spills:** Isaac Newton was one of the first to experiment with thin films and their effect on color. When viewed in reflected white light, varying patterns of colors are seen in thin soap films, oil slicks, and layers of shell.

Artistic Science 2: (January 26; February 2, 9, 16)

Fee: \$72 per student

- **Soap Bubble Art:** I really like blowing bubbles but the worst part is when they break. Here's a way to capture the shape of the bubbles after they pop.
- **A Garden To Dye For:** Students learn the basics of dyeing with natural dyes, several recipes, an introduction to the physics of light and color, the chemistry of dyes and dyeing and the biology of plant dyes.
- **Dirt, Art and Cave Paintings:** Have you or your artists ever looked at pictures of prehistoric paintings? You have? Great! Now, have you ever thought about trying your hand at some "cave" paintings? Prehistoric paint was created by mixing dirt, ground up rocks and animal fat. Sometimes, bits of burned wood were ground up, mixed with animal fat and used for painting as well. Students will create their own "prehistoric paint" and then make cave paintings to take home.
- **Chalk Clocks:** The hourglass is sometimes referred to as a sand clock or a sandglass. Like other timepieces, it needs to be carefully calibrated. Students build a chalk clock, and will test their instruments and fine-tune them to measure the correct length of time.

For questions please contact Belinda Lowe-Schmahl, 281-7595 or bel@schmahlsience.org

Please visit our website at www.schmahlsience.org

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Child's Name _____ Grade 2008-09 _____
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 Child's Name _____ Grade 2008-09 _____
 Parent Name _____ Email _____
 (For registration confirmation)
 Address _____
 City _____ Zip _____
 Home Phone _____ Emergency Phone _____
 Any Medical issues for child(ren) _____

Workshop Series	Students' Names	# of Students	Amount Due
Artistic Science 1			
\$72 per student			
Artistic Science 2			
\$72 per student			
Total due			

- **Mail registration to:** A Schmahl Science Workshop, 171 Branham Lane, Ste. 10-223, San Jose, CA 95136.
- **Payment is due with registration. No refunds. No substitutions.** Send check or money order made out to A Schmahl Science Workshop. Credit Card Payments: MasterCard, Visa (Circle One)
 Card Number _____ Exp. Date _____ CID _____
 Signature _____ Date _____
- Check here to be added to our mailing list of future workshops _____.
- Check here for information via email _____.
- SSW may take workshop photos for use in SSW's publicity. Names and locations will not be published. Check here if we have your permission to take photos of your children during our workshop(s) _____.