

Production Team
Patrice Pages, *Editor*
Cornithia Harris, *Art Director*
Therese Geraghty, *Copy Editor*

Administrative Team
Marta Gmurczyk, *Administrative Editor*
Peter Isikoff, *Administrative Associate*

Technical Review
Seth Brown, *University of Notre Dame*
David Voss, *Medina High School, Barker, NY*

Teacher's Guide
William Bleam, *Editor*
Donald McKinney, *Editor*
Erica K. Jacobsen, *Editor*
Ronald Tempest, *Editor*
Susan Cooper, *Content Reading Consultant*
David Olney, *Puzzle Contributor*

Education Division
Mary Kirchhoff, *Director*
Terri Taylor, *Assistant Director, K-12 Science*

Policy Board
Ami LeFevre, *Chair, Skokie, IL*
Shelly Belleau, *Thornton, CO*
Steve Long, *Rogers, AR*
Mark Meszaros, *Rochester, NY*
Ingrid Montes, *San Juan, Puerto Rico*

ChemMatters (ISSN 0736-4687) is published four times a year (Oct., Dec., Feb., and April) by the American Chemical Society at 1155 16th St., NW, Washington, DC 20036-4800. Periodicals postage paid at Washington, DC, and additional mailing offices. POSTMASTER: Send address changes to *ChemMatters* Magazine, ACS Office of Society Services, 1155 16th Street, NW, Washington, DC 20036.

Subscriber Information
Prices to the United States, Canada, and Mexico: \$14.00 per subscription. Inquire about bulk, other foreign rates, and back issues at ACS Office of Society Services, 1155 16th Street, NW, Washington, DC 20036; 800-227-5558 or 202-872-6067 fax. Information is also available online at <http://chemistry.org/education/>

The American Chemical Society assumes no responsibility for the statements and opinions advanced by contributors. Views expressed are those of the authors and do not necessarily represent the official position of the American Chemical Society. The activities in *ChemMatters* are intended for high school students under the direct supervision of teachers. The American Chemical Society cannot be responsible for any accidents or injuries that may result from conducting the activities without proper supervision, from not specifically following directions, from ignoring the cautions contained in the text, or from not following standard safe laboratory practices.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, now known or later developed, including but not limited to electronic, mechanical, photocopying, recording, or otherwise, without prior permission from the copyright owner. Requests for permission should be directed in writing to *ChemMatters*, American Chemical Society, 1155 16th St., NW, Washington, DC 20036-4800; 202-833-7732 fax.



© Copyright 2012
American Chemical Society
Canadian GST Reg. No. 127571347
Printed in the USA



NEWS

For the past three years, American Chemical Society (ACS) Chem-

Clubs across the country have received free money to help them share chemistry in their communities. Clubs can design their own event and apply for a Community Activity Grant of up to \$300 or up to \$500 if they work with college students in an ACS student chapter. A total of 27 clubs received \$9,000 this year.

This school year, the ChemClubs will be using their money for a variety of activities, including the following:

The ChemClub at **Upper Dauphin Area High School** in Elizabethville, Pa., is working with the local literacy council to sponsor a Science Literacy Night for students in second through fourth grades. Club members will share the picture book, *S Is for Scientists*, then lead students through experiment stations inspired by the book, for example by trying to blow the biggest bubble they can or by making putty from glue.

In Lakeland, Fla., the **Lakeland High School** ChemClub is focusing on the chemistry of art. This project will bring together an ACS student chapter, the school's art department, and Art and Photography Clubs. The students will make paint pigments and use electrochemistry to create jewelry.

The ChemClub at **John Hardin High School** in Elizabethtown, Ky., is planning a Super Science Saturday that will bring together local elementary school students and their parents for a fun-filled day centered on chemistry. During that Saturday and throughout the school year, club members will teach participants about the chemistry involved in making snow globes, tie-dyed shirts, and learning an "atom dance."



ChemClub students from Upper Dauphin Area High School

TODD SMELTZ, UPPER DAUPHIN AREA HIGH SCHOOL



Shaving cream marbling made by ChemClub students from Lakeland High School

CHERYL PIERCE, LAKELAND HIGH SCHOOL



ChemClub students from John Hardin High School

A complete list of the ACS Chem-Clubs that won 2011–2012 Community Activity Grants appears on the back cover of this issue.

For more information about ACS ChemClubs, please visit: www.acs.org/chemclub.

—Erica K. Jacobsen