



Department of Natural Resources and Parks
King County
Solid Waste Division
King Street Center, Suite 701
201 S. Jackson St.
Seattle, WA 98104-3855

Hands-On • Real Life • Relevant • Fun

Pass on to 4th-12th grade teacher.

Alternative Formats On Request
206-296-4466 | TTY Relay: 711
1-800-325-6165 ext. 6-4466



Compare safer alternatives
to hazardous products at this
free workshop.

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Hazards on the Homefront

Hazardous Household Products and Safer Alternatives — October 12, 2012 —



Free Workshops for 4th-12th Grade Teachers

Teach real-life issues that engage students
in science and sustainability.

Learn about environmental topics that
teach science, health, reading and writing.

Apply STEM strategies with ready-to-use
lessons.

Fulfill science and health and fitness GLEs.

Earn clock hours.

Produced by



as part of the **Local Hazardous
Waste Management Program**
in King County

How Teachers Are Using Hazards on the Homefront

Science - Household hazardous waste (HHW) ties into biology, chemistry, integrated physical science and environmental science. Teachers use HHW issues to model the scientific process with students. Lessons have been adapted for the FOSS Environments Kit and Chemistry in the Community.

Health - Activities in the teacher guide help students determine their exposure to hazardous products, identify factors that affect their health, and understand how to reduce their risk by choosing less hazardous products. Students also learn about labels on personal care and other popular products.

Family and Consumer Science - Household hazardous waste issues tie in well to making educated decisions about the products we purchase and use, and their impact on family and pet health.

Technical and Career Education - Many of the most hazardous products we purchase are those used for woodworking, auto maintenance, and other home repairs. Learning about the proper selection, use, storage, and disposal of these products is important for health and safety.

Social Studies - Students can learn about the multiple government agencies involved in regulating the different types of household hazardous products while practicing communication skills such as reading, writing, and understanding labels and advertising.

Writing/Reading - All lessons in the guide include journal writing, reflection, and reading for information. The reading and writing skills practiced in these lessons will aid students as they make consumer choices throughout their lives.

Art - In addition to teaching how to identify safer art materials, many of the lessons incorporate activities such as designing product labels, brochures, posters, and other creative pieces as a means of increasing student understanding of household hazardous products.

ELL - Learning how to read labels and signal words that identify hazardous household products provides practical knowledge for both students and family members. Lessons on label reading, safer alternatives, and disposal have been adapted for English Language Learners and are available with visuals on the King County website.

Hazards on the Homefront

King County Solid Waste Division as part of the
Local Hazardous Waste Management Program

October 12, 2012, 8:00 a.m.–4:00 p.m.

Marine Science and Technology Center (MaST), Highline

Do you know what makes bleach dangerous, or how to properly dispose of pesticide containers? Become skilled at fun, hands-on activities that teach your students about bioaccumulation, proper disposal, and safer alternatives.

Students will learn lessons they will be able to use for the rest of their lives.

This free workshop includes

- effective STEM strategies with ready-to-use lessons.
- a \$50 stipend or substitute reimbursement upon completion of workshop objectives.
- information on free, follow-up classroom presentations and mini-grants.
- green cleaners and green cleaning recipes.
- lunch.
- introduction to the MaST Center.
- opportunity for clock hours.

To learn more, visit your.kingcounty.gov/solidwaste/education/hazwaste.asp.

"The lessons are clear and include assessments, worksheets, etc. I plan to integrate many of these lessons into our Ecosystems unit."

– Fourth-grade teacher



Sixth-grade students tested a homemade natural cleaner and marketed it to family and friends.



During the workshop you will learn

- how to recognize hazardous products.
- the different ways that we are exposed to hazardous products.
- fun, hands-on activities that teach about safer alternatives.
- experiments about how household hazardous products affect water quality, soil, plants, and human health.

All lessons connect with school curriculum units such as Pollution and Solutions, FOSS kits, Biology, Chemistry in the Community, Family and Consumer Science, Career and Technical Education, and much more.

"...gave me great background information and materials and resources I could use in classroom activities"

– Ninth-grade ELL science teacher



Students learned about safer alternatives to pesticides and created an organic garden.

Community Service and Action Projects

Teaching students about household hazardous products is an easy springboard to community service projects. Read more about how students have been testing product alternatives, planting native and organic gardens, and teaching community members about green cleaning at your.kingcounty.gov/solidwaste/education/hazwaste.asp.

Teachers who participate in the workshop are eligible to receive grants of up to \$500 to complete projects.

For more information or to register

Phone: 206-583-0655

Email: workshops@triangleassociates.com

Fax: 206-382-0669

Mail: Triangle Associates

811 1st Ave, Suite 255, Seattle, WA 98104

Space is limited to 25 teachers.

Yes, I want to register.

Name _____

Home Address _____

City/State/Zip _____

Phone _____

Email _____

School _____

District _____

Grade Level/Subject _____

Number of students taught per year (estimated) _____

☐ I am interested in clock hours.
(seven clock hours for \$14)

☐ I give my permission to be photographed and to have that photograph included along with my name in future materials.

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