



Department of Natural Resources and Parks
Solid Waste Division
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King County

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

Hands-On • Real Life • Relevant • Fun

Pass on to 4th-12th grade teacher.

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Workshop includes tour of South Wastewater Treatment Plant

Hazards on the Homefront **Household Hazardous Products and Safer Alternatives**

August 20 - Grades 4-6 teachers

August 21- Grades 6-12 teachers

**August 22 - Optional tour of
wastewater treatment plant**



Free Workshops

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 or college credit.

Produced by



King County

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 also been adapted for the FOSS Environments Kit and Chemistry and 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

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 household hazardous products, bioaccumulation, proper disposal, and safer alternatives — lessons they will be able to use for the rest of their lives.

- Apply effective STEM strategies with ready-to-use lessons.
- Receive a \$50 teaching stipend upon completion of workshop objectives.
- Sign up for free follow-up classroom workshops.
- Receive lunch and sample green cleaning products.
- Earn clock hours or college credit.

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

I thought this program was fantastic! My students are super into it and it is a different way to teach them important environmental information that directly affects them and their lives. Thank you!

– High school teacher



Middle school students created science fair projects on the effects of hazardous products on the environment.

Community service, action projects, and school gardens

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, or 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.

Tuesday, August 20 – Grades 4-6 teachers 8 a.m. to 4 p.m. PSES, Renton

Using the story of a Pacific Tree Frog, elementary lessons provide hands-on activities to engage students in learning about household hazardous waste and its effect on the environment. Elementary activities connect to FOSS and STC kit curricula, as well as water, salmon, and habitat and garden studies. Recently updated lessons include new activities and resources.

Wednesday, August 21 – Grades 6-12 teachers 8 a.m. to 4 p.m. PSES, Renton

Hands-on lessons challenge students to apply science to their everyday lives and evaluate health and environmental choices. Activities connect with Pollution and Solutions, Biology, Chemistry in the Community, Family and Consumer Science, Career and Technical Education, and more. Recently updated lessons contain tie-ins to native and vegetable gardens.

Thursday, August 22 Optional tour of South Treatment Plant 9 a.m. to noon, Renton

Where does it go when you brush and flush? Find out on this tour available to all workshop teachers. Required for college credit.

It is a great program for teachers – so easy to implement and great resources. Students like the variety of activities and, due to the hands-on element, will remember their learning and hopefully put into practice the things they have learned.

– Fourth/fifth grade teacher



Eighth-grade students did experiments to find the best method for protecting their organic garden from slugs and aphids.

For more information or to register

Phone: 206-583-0655 ext. 110

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.

☐ Full day workshop plus tour
(one college credit -\$45 or ten clock hours - \$20)

☐ Full day workshop only (seven clock hours - \$15)

Workshop date ____ Aug 20 or ____ Aug 21

Name _____

Home address _____

City/State/Zip _____

Home phone _____

Email _____

School _____

District _____

Grade level/Subject _____

Number of students taught per year (estimated) _____

☐ I am interested in clock hours or college credit.

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

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