

Receive

Training

- Training in teaching STEM principles through the lens of hazardous household chemicals
- Tour of the South Wastewater Treatment Plant
- PSESD clock hours for a small fee
- Lunch and refreshments

Materials

- A *Hazards on the Homefront* teacher guide with ready-to-use lesson plans and materials
- Sample green cleaning products

Support

- A \$50 stipend for completion of workshop objectives
- Grants of up to \$500 for community service, action projects, and school gardens
- Free follow-up classroom presentation

The optional follow-up tour will be held on Thursday, August 13 at the King County South Wastewater Treatment Plant. See first-hand what happens to hazardous products in wastewater once they leave your home.



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

King County

Alternative formats on request
206-296-4466 | TTY Relay: 711
1-800-325-6165 ext. 6-4466

**Pass this on to a
4th-12th grade
teacher.**

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Hazards on the Homefront

Effects of household hazardous products on environmental and personal health

Free teacher workshops

August 11 – Grades 4-6 teachers

August 12 – Grades 6-12 teachers

August 13 – Optional tour of South Wastewater Treatment Plant

**at Tukwila
Community Center**



Produced by



King County

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

How does Hazards on the Homefront fit into your curriculum?

Hazards on the Homefront integrates STEM education, as well as Common Core and Next Generation Science Standards, throughout each lesson.

Scientific method – Students practice the scientific method as they explore everyday issues. They develop questions, test assumptions, and arrive at informed conclusions about household hazardous products and safer choices for their health and environment.

Engineering – Students engage with real-world challenges to identify problems and develop solutions through *Hazards on the Homefront* lessons.

Life sciences – By studying bioaccumulation and personal health hazards, students learn how household products can affect the biological systems of an organism.

Environmental stewardship – *Hazards on the Homefront* includes methods for proper disposal of hazardous products and inquiry-based lessons to engage students in seeking safer alternatives.

Health – Lessons provide valuable information on methods of chemical exposure, factors that affect personal health, and safer alternatives to hazardous products.

ELL – Reading product labels provides practical knowledge for students and family members. Materials have been adapted for English language learners and are available with visuals from King County.



Expert speaker

Dave Waddell has worked with the Local Hazardous Waste Management Program in King County since 1991 as an environmental project manager, laboratory and art hazards expert, and frequent trainer. He is the co-author of King County's Laboratory Waste Management Guide and the on-line School Chemicals List database. He frequently speaks at workshops, where he gets to work with fun, smart people, like participants at this workshop.

Space is limited to 25 teachers.

Register to attend

Online registration: www.triangleassociates.com/teacherworkshop

For more information or to register via email or phone, please contact Amanda McConkey.

Phone: 206-583-0655 Email: workshops@triangleassociates.com

Community service, action projects, and school gardens

Teaching students about household hazardous products leads easily 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.



Fourth-grade students at Island Park Elementary created safer cleaning sprays and took them home to their families.

Event information

Workshops will be held at the Tukwila Community Center.

Tuesday, August 11

9:00 a.m. – 3:30 p.m.

for grades 4-6 teachers

Become familiar with hands-on elementary lessons that engage students in designing and conducting science experiments on household hazardous products and their effects on the environment. Specific topics include water quality, bioaccumulation, and safer choices.

Wednesday, August 12

9:00 a.m. – 3:30 p.m.

for grades 6-12 teachers

Get hands-on lessons that challenge students to apply science to everyday choices that affect personal and environmental health. Classroom activities connect with Pollutions and Solutions, Biology, Chemistry in the Community, Family and Consumer Science, Career and Technical Education, and more.

Thursday, August 13

9:00 a.m. – 11:30 a.m.

Optional tour of the South Wastewater Treatment Plant

Where does the water and cleaning product go when you scrub a sink or flush? See first-hand how wastewater is handled once it leaves your home.

Teacher testimonials

Thank you for the opportunity to take this workshop. It was easy to incorporate into our water quality/pollution and the environment unit. —Sixth-grade teacher

It was immediately useful! I received so many great ideas that I could implement in my classes the next day. —High school teacher