



Teach

Programs for Educators

2017–2018 School Year Edition



King County

September 2017

This guide is an annotated list of educational resources provided by King County agencies for King County educators. You will find information on classroom programs, curricula, field trips, funding opportunities, and other resources. Topics include arts and culture, environmental stewardship, civil rights, and emergency preparedness. The programs address issues that shape and influence our quality of life in King County now and in the future.

We hope this guide will be a valuable resource for educators both in and out of the classroom. Thank you for the important work you do in educating the students in King County about the world around them. Have a wonderful school year.



Programs for Educators Directory

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The 2017-2018 King County Programs for Educators Directory can be found on the King County Website in PDF format at your.kingcounty.gov/solidwaste/education/documents/Programs_for_educators.pdf.

NOTE: All programs are provided free of charge, unless otherwise noted. Please contact program provider for details.



King County

Department of
Natural Resources and Parks
Solid Waste Division

Arts, Culture, and Heritage

Field Trips

Gallery 4Culture and e4c

4Culture

All ages • Gallery 4Culture, a free, public gallery open to visitors of all ages, has a thirty-five year history of exhibiting innovative and underrepresented art forms. Each season features a dynamic range of King County artists, including early career artists, presenting solo or small-group shows. e4c-or, electronic4Culture, is 4Culture's storefront media gallery for electronic art. It showcases the work of video artists from across the United States. Both galleries are located in the Tashiro-Kaplan Building, a building dedicated to the arts with many contemporary art galleries open to the public.

Staff provide short tours with information about the programs, exhibiting artists, and other galleries to visit in the neighborhood. Please call in advance to arrange a tour.

Location – 101 Prefontaine Pl S, Seattle 98104

Hours – Gallery 4Culture: Monday-Friday, 9am-5pm

e4c: Daily 7am-10pm

For Gallery 4Culture, contact Jordan Howland at 206-263-1589 or jordan.howland@4culture.org.

For e4c, contact Heather Dwyer at 206-263-1597 or heather.dwyer@4culture.org.



Cultural Facilities fund the construction projects that build our cultural infrastructure. It helps organizations acquire, build, or renovate the structures that make cultural experiences possible.

Deadline: February 2018

For Arts, contact Deb Twersky at 206-263-1610 or debra.twersky@4culture.org.

For Heritage, contact Brian Carter at 206-263-1586 or brian.carter@4culture.org.

Emergency and Unforeseen assists King County organizations with unforeseen facility costs and unexpected space opportunities.

Deadline: None.

Contact Deb Twersky at 206-263-1610 or debra.twersky@4culture.org.

Equipment helps equip cultural organizations with the tools they need.

Deadline: May 2018

Contact Deb Twersky at 206-263-1610 or debra.twersky@4culture.org.

Heritage Projects funds individuals and organizations identifying, documenting, exhibiting, and interpreting King County heritage.

Deadline: March 2018

Contact Brian J. Carter at 206-263-1586 or brian.carter@4culture.org.

Landmarks Capital supports rehabilitation and restoration of designated landmarks.

Deadline: May 2018

Contact Dana Phelan at 206-263-1604 or dana.phelan@4culture.org.

Open 4Culture provides an entry point for those new to 4Culture, funding a wide array of projects.

Deadline: None

Contact Melissa Newbill at 206-263-1603 or melissa.newbill@4culture.org.

Preservation Special Projects underwrites research, planning, and advocacy efforts to safeguard historic places in King County.

Deadline: March 2018

Contact Brandi Link at 206-263-1593 or brandi.link@4culture.org.

Sustained Support assists with the day-to-day costs of dynamic cultural work. It helps organizations do their best work by offering reliable, flexible funding over two-year cycles.

Deadline: Fall 2018

For Arts, contact Bret Fetzer at 206-263-1599 or bret.fetzer@4culture.org.

For Heritage, contact Brian Carter at 206-263-1586 or brian.carter@4culture.org.

For Preservation, contact Dana Phelan at 206-263-1604 or dana.phelan@4culture.org.

Grants

4Culture Grants

4Culture

Adults • Grants are available for arts, heritage, and preservation projects. See the list below for specific contact information and deadlines.

Arts Projects for Groups fuels the experiences that shape the cultural life of King County. It supports arts groups in King County as they create new work, covering materials and other costs.

Deadline: March 2018

Contact Doreen Mitchum at 206-263-1605 or doreen.mitchum@4culture.org.

Arts Projects for Individuals brings your ideas – from sculpture to skywriting – to life. It supports artists in King County as they create new work, covering materials and other costs.

Deadline: March 2018

Contact Heather Dwyer at 206-263-1597 or heather.dwyer@4culture.org.

Collections Care helps safeguard historic and cultural materials, artifacts, and archival records.

Deadline: June 28, 2017

Contact Brian J. Carter at 206-263-1586 or brian.carter@4culture.org.

Community 4Culture addresses inequity in King County cultural funding. It provides flexible funding for work by and for underserved communities.

Deadline: None

Contact Heidi Jackson at 206-263-1616 or heidi.jackson@4culture.org.

Opportunities

Calls for Artists

4Culture

Adults • 4Culture offers a variety of opportunities for artists through the following programs:

Conductive Garboil grants unrestricted funds to artists with a connection to the Pioneer Square neighborhood.

Deadline: August 14, 2017

Contact Cath Brunner at 206-263-1596 or cath.brunner@4culture.org.

e4c showcases dynamic media art in our storefront windows.

Deadline: September 27, 2017

Contact Heather Dwyer at 206-263-1597 or heather.dwyer@4culture.org.

Gallery4Culture presents inventive work by King County artists in the heart of Pioneer Square.

Deadline: January 8, 2018

Contact Jordan Howland at 206-263-1589 or jordan.howland@4culture.org.

Tech Specific invites artists, engineers, developers, and DIYers to explore art and technology in King County.

Deadline: September 28, 2017

Contact Charlie Rathbun at 206-263-1607 or charlie.rathbun@4culture.org.

Touring Arts Roster serves as an online marketing tool for performing artists and a booking resource for event presenters.

Deadline: August 20 and 21, 2017

Contact Doreen Mitchum at 206-263-1605 or doreen.mitchum@4culture.org.

Public Art Calls from all over the country connect artists with opportunities to transform the public realm.

Deadline: Varies by call

Contact Brennan Jernigan at 206-263-1587 or brennan.jernigan@4culture.org.

4Culture revenues are derived from lodging taxes and 1% for Art Capital Construction. Find out more about our grants, calls for artists, and other resources at 206-296-7580 or 4culture.org.



Community

Classroom Programs

Civil Rights Education

King County Department of Executive Services, Civil Rights, Office of Equity and Social Justice

Grades 11, 12, others • Students approaching graduation may be ready to look for a job or rent an apartment. To help students with these decisions, schedule a presentation by King County Civil Rights (KCCR). Speakers talk about basic civil rights protection, fair housing, fair employment practices, and fair treatment in stores, restaurants, and other public places. We prepare the talks for upper high school grade levels, but can adapt it for other ages. The presentation takes from 30 to 50 minutes, but can be expanded. The topics apply to Washington State learning standards for social studies.

KCCR publishes an agency brochure, fact sheets, and many fair housing publications that are available upon request or on our Web site at www.kingcounty.gov/depts/civil-rights.aspx. We also have information for younger children and older students at www.kingcounty.gov/depts/civil-rights/kids-web.aspx. Printed materials are available in alternative formats.

Contact Matthew Butler at 206- 263-2446, TTY Relay: 711 or matthew.butler@kingcounty.gov.

Internship and Career Exploration

Employment and Education Resources

King County Department of Community and Human Services, Employment and Education Resources

Ages 16-24 • Learning Centers serve youth who have not completed high school but who want to attain their GED and go on to college, technical training, or employment.

Ages 16-24 • The Stay in School Program provides a comprehensive mix of year-round services to youths in danger of not completing high school. Partner school districts include Federal Way, Highline, Kent, Renton, and Tukwila. The program increases participants' levels of academic achievement and awareness of career and post-secondary options. It builds skills needed to be successful in school and work. The program runs year-round, including during the summer, allowing students to gain work experience and earn high school credits.

For more information, visit kingcounty.gov/depts/community-human-services/employment-and-education-resources/youth-services.aspx.



Emergency Preparedness and Prevention

Classroom Programs Curricula

Hazard and Preparedness Presentations

King County Department of Executive Services, Office of Emergency Management

Grades 7-12 • These presentations are on local hazards, their impacts, and how families and communities can best prepare for them and mitigate their effects. The presentations last anywhere from 30-90 minutes and can be customized based on the needs of the teacher and classroom.

Contact Lynne Miller at 206-205-4031 or lynne.miller@kingcounty.gov.

Partner in Preparedness Packets

King County Department of Executive Services, Office of Emergency Management

Grades K-6 • These pre-made materials, which are ready to go home to parents, contain information on personal and community preparedness. Information includes local hazards, preparedness tips, and an item for a personal emergency kit. All packets are pre-made; make requests one month in advance.

Contact Lynne Miller at 206-205-4031 or lynne.miller@kingcounty.gov.

Seismic Sleuths Curriculum Guide

King County Department of Executive Services, Office of Emergency Management

Grades 7-12 • Seismic Sleuths curriculum guides are available online to educators at [fema.gov/media-library/assets/documents/15229?id=3558](https://www.fema.gov/media-library/assets/documents/15229?id=3558). Seismic Sleuths is an interactive, hands-on curriculum that explores the cause of earthquakes, ways to measure their effects, and preparedness issues. The guides are produced by the Federal Emergency Management Agency (FEMA).

Contact Lynne Miller at 206-205-4031 or lynne.miller@kingcounty.gov.

Tremor Troops Curriculum Guide

King County Department of Executive Services, Office of Emergency Management

Grades K-6 • Tremor Troops curriculum guides are available online to educators at fema.gov/media-library/assets/documents/2915?id=1632. Tremor Troops is an interactive, hands-on curriculum that explores the cause of earthquakes, ways to measure their effects, and preparedness issues. The guides are produced by the Federal Emergency Management Agency (FEMA).

Contact Lynne Miller at 206-205-4031 or lynne.miller@kingcounty.gov.

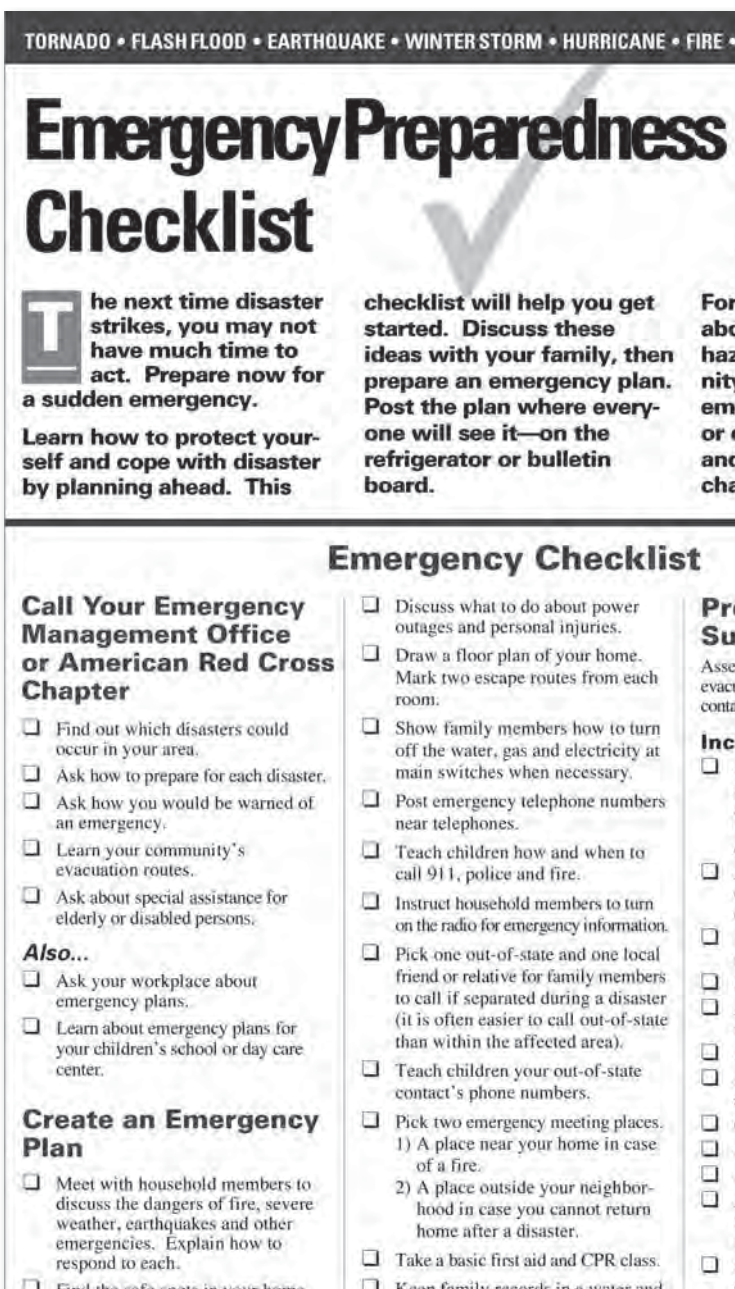
Field Trips

Regional Emergency Coordination Center Field Trips

King County Department of Executive Services, Emergency Coordination Center

Grades 8-10 • Tour the county's Emergency Coordination Center (ECC) where representatives from county departments and outside agencies coordinate disaster operations. Students will learn about the county's role during a disaster, such as an earthquake or flood, and how the ECC assists cities and communities within King County with disaster prevention and response issues. The tour features an inside look at the ECC's high-tech equipment and radios that are used during disaster activations. Tour length is 1.5 to 2 hours. Special tours for large education groups may be arranged.

Call 206-296-3830.



Environment

GREEN SCHOOLS

Action Projects

King County Green Schools Program

*King County Department of Natural Resources and Parks,
Solid Waste Division*

K-12 schools (public and private) and school districts in King County (outside the city of Seattle) • This program provides King County schools and districts with tools and support to

- initiate and expand conservation practices.
- operate environmentally efficient and responsible facilities.
- involve the whole school community in environmental stewardship.

More than 250 schools and 13 school districts have received assistance. Visit your.kingcounty.gov/solidwaste/greenschools/participants.asp to read success stories.

Program benefits include the following:

- **Assistance** – A program representative visits each school to help assess practices, make recommendations, provide hands-on help, and meet with staff and students. The program representative is available to provide ongoing, follow-up assistance.
- **Resources** – The program provides recycling containers (up to \$200 per school), signs, and website tools.
- **Opportunities** – Students learn about conservation, take action, and develop leadership skills.
- **Cost savings** – Schools and districts can save money by improving conservation practices.
- **Pride** – Participating schools and districts are Green School models.
- **Recognition** – Each school and district that meets program criteria receives a certificate, mention in a press release, and a success story on the program website. Each Level One school also receives a “We are a King County Green School” banner.

(Continued on next column)



The program has four levels.

Level One – Waste Reduction and Recycling

Level Two – Energy Conservation

Level Three – Water Conservation and Pollution Prevention

Sustaining Green School – Each year that a school sustains its Level One – Level Three practices and adds one new conservation practice or strategy, it receives recognition as a Sustaining Green School.

Other program areas include

- Green Building
- Healthy Schools
- Litter Reduction
- Transportation

Interested schools and districts get started by sending a completed application form at your.kingcounty.gov/solidwaste/greenschools/started.asp. Assistance is provided on a first-come, first-served basis.

Contact Dale Alekel at 206-477-5267 or dale.alekel@kingcounty.gov or visit kingcounty.gov/GreenSchools.

WASTE REDUCTION AND RECYCLING

Action Projects

Green Teams

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Grades 1-12 • A Green Team is a classroom group or environmental club that commits to making a positive difference in the environment by completing projects in the classroom, school, or community. Typical school projects include sponsoring waste-free lunches, caring for and improving habitat, and encouraging participation in the school recycling and food-scrap collection programs through videos, announcements, posters, and other actions. Workshops and assistance in getting started on a project are available. Secondary school Green teams can receive assistance with a lunchroom waste audit through “Trash on a Tarp.” Green Teams that complete projects are eligible to win prizes and recognition. Find highlights and resources on the Go,Green Team! blog.

at kingcountyschoolgreenteams.com.

To register or receive a list of project ideas, contact a Green Team Specialist at 206-583-0655 or greenteam@triangleassociates.com, or visit your.kingcounty.gov/solidwaste/elementaryschool/greenteams.asp.

Green Team Campaigns

*King County Department of Natural Resources and Parks
Solid Waste Division*

Grades 1-12 • Environmental clubs or classes ready to take on an environmental project but uncertain how to get started can consider using a Green Team campaign. These campaigns provide step-by-step instructions and background information for conducting projects to reduce your school’s impact on the environment. Campaign topics include carpooling, paper recycling, plastic bottle reduction and recycling, lunchroom waste reduction, and creation of a waste reduction and recycling quiz show.

Visit your.kingcounty.gov/solidwaste/secondaryschool/gtworkshops.asp.

Classroom Programs

Elementary School Assembly – Going Green Together

King County Department of Natural Resources and Parks,
Solid Waste Division



Grades K-6 • This latest assembly show, presented by two professional actors, entertains as it educates students about waste reduction, recycling and composting. In a lively, interactive format, students learn how to keep waste out of the landfill and make choices that have the least impact on the planet. Older students learn the

effect of their actions on climate change. The assembly is a great way to kick off the school year and motivate everyone to participate in a school's efforts to reduce waste and recycle. The assembly comes in primary and intermediate versions and is offered from September to early January. Slots fill quickly, so early scheduling is recommended.

Call 206-583-0655 or email workshops@triangleassociates.com, or visit your.kingcounty.gov/solidwaste/elementaryschool/assembly.asp.

Elementary School Classroom Workshops

King County Department of Natural Resources and Parks,
Solid Waste Division

Grades 1-6 • These interactive workshops build on the lessons of the elementary assembly program and support participation in the King County Green Schools Program. Teachers can choose from among these topic areas: waste reduction and recycling, habitat stewardship, garbology, and climate change. These 40-60-minute hands-on presentations are fast-paced and action-oriented and inspire students' own ideas about how to reduce waste and care for the environment. New this year is a workshop taught entirely in Spanish.

Call 206-583-0655, email workshops@triangleassociates.com, or visit your.kingcounty.gov/solidwaste/elementaryschool/workshops.asp.



EcoConnections Classroom Workshops

King County Department of Natural Resources and Parks,
Solid Waste Division

Grades 6-12 • Highly skilled presenters come to your classroom to teach about the relationship between garbage and natural resources. These workshops cover topics such as recycling, ecological footprints, biodiversity, and climate change. Students work together in small groups to discuss, debate, and discover “why I should care.” The workshops challenge teens to rethink their personal choices by connecting their daily activities to their environmental impacts. These workshops have particular relevance for schools participating in the King County Green Schools Program. All workshops are aligned with Common Core and Next Generation Science Standards. They are designed for 50 minutes, but can run up to 75 minutes for longer class periods.

Biodiversity in Our World (science, social studies)

What is biodiversity and why is it important for survival on Earth? How do our shopping and waste disposal choices affect biodiversity? Students actively engage in a discussion of real-world issues such as habitat protection, population growth, and climate change. Through challenging and fun, hands-on activities, students gain a clearer understanding of our everyday effects on the planet and how our personal choices can make a difference for the better. The high school version of this workshop includes a focus on ecosystem services.

Biospheres (science, social studies)

How does the closed system of a biosphere compare to Earth? Students work in small groups and observe small-scale model ecosystems called Ecospheres to understand biotic and abiotic factors and natural cycles. Students compare the Ecosphere to Earth and realize how their daily consumption and disposal habits affect the planet. They rethink their habits and explore ways to live more sustainably. For high school groups, discussion can include climate change and its sources and impacts.

Consumption Junction (science, social studies)

How do our lifestyles affect the quality of the Earth's environment? How does recycling conserve natural resources and minimize human impacts? By studying the life cycle of an aluminum can from its bauxite source to the recycling bin, students learn about the time, energy, and natural resources that are used to make an everyday product; the resulting environmental impacts; and how we can limit consumption to create a more sustainable future.

Earth Impact: Overconsumption or Sustainability? – Updated for 2017 (science, social studies, consumer science)

How and why do we choose what to buy, and what impact do these choices have on our planet? Rotating through lab stations that examine overconsumption and our ecological footprint, students explore product life cycles and recognize the ecological impacts their choices have on the atmosphere, biosphere, geosphere, and hydrosphere. Students use critical-thinking and analytical skills to assess the earth impacts of various consumer goods, with a focus on ways to make more sustainable shopping choices and lower their ecological footprint.

Food for Thought (science, social studies, consumer science)

What are we really wasting when we waste food? Why is composting that leftover pizza not the greenest choice after all? This workshop explores climate change and other environmental impacts of food production, disposal, and waste. Students learn about the magnitude of food waste in King County and the United States, and they also explore what happens to food when it is either composted or thrown away. Students calculate their “foodprint” to quantify their individual waste and focus on positive actions they can make to lessen their environmental impact. The lesson can be

adapted to include advice for schools that collect food waste for composting, but the key focus is on food waste prevention.

Four Rs for Our Climate – high school only (biology, physical science, environmental science)

How do our shopping and waste habits contribute to climate change? How can using the four Rs help minimize your carbon footprint? This workshop begins with a review of the global carbon cycle, how humans have altered it, and the effect on climate change. After learning some basic climate change science, students explore how their consumption of natural resources and disposal of waste contribute to their carbon footprint. Students work in small groups to analyze the life cycle of an everyday item, the fast food hamburger, and they develop practical solutions to shrink their carbon footprint through better waste reduction and recycling practices.

Let's Talk Trash (science, social studies, language arts)

How does your garbage affect natural resources, energy, and climate change? Students discover the connections by participating in a “talk show” hosted by the presenter. Students work in small teams and become experts on how recycling and waste prevention help save landfill space, conserve natural resources, and even reduce the factors that contribute to climate change. They use evidence to make persuasive arguments that help connect concepts to action. An optional pre-workshop home or classroom audit enables students to apply their ideas and solutions to their own school and community.

Call 206-583-0655 or email workshops@triangleassociates.com, or visit your.kingcounty.gov/solidwaste/secondaryschool/index.asp.

Curricula

Adventures with Zeela Storybook

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Preschool-kindergarten • Adventures with Zeela is the story of a visitor from another planet who comes to Earth to find out how humans solve the problem of too much waste. This book is available free to preschool and kindergarten teachers in King County.

Contact Donna Miscolta at 206-477-5282 or donna.miscolta@kingcounty.gov.

Waste Reduction and Recycling Activity Sheets

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Grades K-6 • A variety of activity sheets provide lessons and tips on reducing waste and recycling.

- A Year of Reuse Activities and Ideas
- Be a Garbage Gumshoe
- Cut Down Paper Waste, Not Trees
- Grocery Store Scavenger Hunt
- Plan a Waste-Free Lunch
- Set Up Your Classroom to Encourage Reuse
- Tips for Your Waste Reduction and Recycling Program

To download, go to

your.kingcounty.gov/solidwaste/elementaryschool/guides.asp.



Field Trips

Cedar Hills Landfill Tour

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Ages 5 and above • Groups can tour the Cedar Hills Regional Landfill in one of the Solid Waste Division's vehicles, which can accommodate ten people, including the tour guide. Larger groups may arrange for their own van or bus.

Schedule tours by calling 206-477-4466 or submit your request online at your.kingcounty.gov/solidwaste/about/tours.asp.

Transfer Station Tour

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Ages 5 and above • King County's transfer stations – Bow Lake, Enumclaw, Factoria, Shoreline and Vashon – are open for tours by appointment. Group size restrictions may exist for transfer station tours, depending on the facility and staffing requirements.

Call 206-477-4466 or submit your request online at your.kingcounty.gov/solidwaste/about/tours.asp.

Grants

Green Team Mini-grants

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Grades 1-12 • Mini-grants in amounts of \$50-\$200 to support projects related to waste reduction, recycling, and resource conservation are available to teachers who participate in the Green Team program.

Contact Claire Barrett at 206-583-0655 or greenteam@triangleassociates.com. For an application form, visit your.kingcounty.gov/solidwaste/elementaryschool/index.asp.

Internet Resources

King County Solid Waste Division – Food: Too Good To Waste

*King County Department of Natural Resources and Parks,
Solid Waste Division*

All ages • The average American household wastes about 25 percent of the food and drinks it purchases. Yet most people don't think they toss that much. Find useful tips, strategies, and tools for preventing food waste at home. Take the Food: Too Good To Waste Challenge to find out how much your family is wasting, then see how much food waste you can prevent by making small shifts in how you shop for, prepare, and store food.

Visit your.kingcounty.gov/solidwaste/waste prevention/too-good-to-waste.asp.



King County Solid Waste Division Quizzes, Games and Fun Facts

*King County Department of Natural Resources and Parks,
Solid Waste Division*

All ages • How well do you know the 4Rs – rethink, reduce, reuse, and recycle? Do you know the dangers posed by some everyday products to your health and the environment? How can you recognize a hazardous product? Find out what you know and what you need to know about garbage, recycling, and hazardous waste by taking the quizzes at your.kingcounty.gov/solidwaste/education/fun-facts.asp.

King County Solid Waste Division Web Site

*King County Department of Natural Resources and Parks,
Solid Waste Division*

All ages • Information about programs and services related to solid waste, recycling, waste reduction, composting, and other waste management techniques for home and businesses in King County can be found at your.kingcounty.gov/solidwaste/index.asp.

King County Solid Waste Division – Your Stuff, Climate Change, and Waste

*King County Department of Natural Resources and Parks,
Solid Waste Division*

All ages • Make the connection between solid waste and climate change. Learn what you can do to minimize your impact on our climate through your purchasing decisions and your waste prevention and recycling choices.

Visit your.kingcounty.gov/solidwaste/climate/index.asp.

Other Resources

Class Act

*King County Department of Natural Resources and Parks,
Solid Waste Division*

Teachers of K-12 • This quarterly newsletter provides information on programs of interest to teachers. It also features projects undertaken by

students and teachers on waste reduction, recycling, household hazardous waste, and other environmental issues. Find current and past issues at your.kingcounty.gov/solidwaste/education/classact/index.asp.

Contact Donna Miscolta at 206-477-5282 or donna.miscolta@kingcounty.gov.

Water Quality

Action Projects

Blue Teams

Nature Vision

Grades K-12 • Start a youth-powered Blue Team to help care for one of our most precious natural resources – WATER! A Blue Team is a group of students from a school or community group that commits to completing a water quality action project in King County. All Nature Vision programs support the Washington State K-12 Learning Standards and STEM Education and can be easily integrated into schools. Many of our lessons set conceptual foundations and repeat visits help connect one lesson with another.

Blue Team project ideas may include

- restoring a stream or wetland.
- planting a native wildlife garden.
- educating others about clean water.
- researching and removing invasive plants.
- taking the water-saving challenge and finding ways to conserve water in the classroom and school.
- creating a brochure or video to teach others about water conservation.
- starting a campaign in your neighborhood, school, or community to increase water quality awareness.
- starting a classroom blog to share projects, photos, and research with other classrooms. Please visit www.aquapals.org.

Nature Vision provides expert help in planning and preparation. Blue Teams receive a total of four or more hours of assistance that may include classroom time, a field trip, and hands-on project time from Nature Vision naturalists. The program is available during the school year, depending on funding availability.

Please visit naturevision.org/blue-teams for details or contact info@naturevision.org with questions.



Classroom Programs

Wastewater and Stormwater in Schools

*King County Department of Natural Resources and Parks,
Wastewater Treatment Division*

Grades 6-8 • King County Wastewater Treatment Division will come into your classroom and provide a free 1-2 hour program that tells the story of water that runs over our landscapes and down the drain! These programs connects students to their local waters and includes interactive, hands-on experiments and real-world knowledge on topics such as the water systems, wastewater and stormwater processes, and water pollution solutions.

For more information, go to kingcounty.gov/services/environment/wastewater/education/programs/school.aspx.

Water Education

Various King County cities and water districts

Depending on budget availability, these programs or similar programs are free to all schools within the Covington Water District, City of Kirkland, City of Bothell, the service areas in the Cascade Water Alliance, North-shore Utility District, and participating cities within the service area of Saving Water Partnership, Woodinville Water District, and Union Hill Water District. All other schools can register for a fee of \$100 per program.

Healthy Water, Healthy Soil, Grades K-5 • Dig in to healthy soil and discover the living network of decomposers that benefit the ecosystems around us. Explore how healthy water keeps our Northwest soils healthy and understand how humans can affect soil through our interactions with water.

Healthy Water, Healthy Soil, Grades 6-8 • In this hands-on lesson, students will gain an understanding of soil function and physical properties. Students will observe soil texture, structure, color, infiltration, test for key nutrients, and analyze soil pollution. Students will connect soil composition with the impact of our daily water choices on the natural environment.

Healthy Water, Healthy Ecosystems, Grades 9-12 • Experiment with soils from different watershed ecosystems in Washington, and develop an understanding of what each ecosystem needs to be healthy and sustainable. Conduct an analysis of plant needs and create a restoration plan that matches an appropriate soil within an ecosystem. Determine how soil pollution creates disruptions within these ecosystems.

Natural Filters, Grades 2-6 • Wetlands are like the kidneys of the earth, filtering water as it circulates through many pathways. Students learn how wetlands perform this important function for our drinking water as well as the water we share with wildlife.

Salmon Cycle, Grades K-12 • Discover the connection between Pacific salmon, people, and the water we share. The salmon life cycle and what this keystone species requires from its ecosystem is discussed. Students will explore water quality issues and understand why healthy salmon habitat is good for Northwest ecosystems and people, too!

Water Conservation, Grades 4-9 • Did you know that our area receives less rainfall in the summer months than Miami, Florida? Join us for an interactive lesson that explores what our community can do to conserve our water indoors and out. Students will learn why we need to save water and what every person can do to use water wisely for the benefit of wildlife and future generations.

Water Cycle –Terrariums, Grades K-3 • Learn about the water cycle and why conservation is important. Build your very own portable water cycle – a terrarium – as a reminder to use water wisely!

Water Cycles Round, Grades 4-6 • Review the steps of the water cycle and become a water droplet for an hour. Travel to all the places water goes during the water cycle, including lakes, rivers, streams, mountains, the ocean, plants, animals, and you! Learn simple ways to conserve water at home.

Water Supply, Grades 4-9 • Do you know where your drinking water comes from? Discover the path clean water takes from its local natural source to your faucet! Students will explore the human and natural factors that affect our water supply and the actions they can take to keep this important natural resource pristine as our population grows.

Watershed Dynamics (Enviroscape), Grades 2-12 • Students will interact with a tabletop model of a typical community to learn how their everyday choices affect the water quality in our watershed. Ways to prevent watershed contamination are discussed.

Watershed Ecosystems, Grades 2-8 • We all live in a watershed, and it is up to us to keep the water that flows through it clean and plentiful. This program introduces students to their own local watershed and to the plants and animals that share this important ecosystem. Students will also learn how a healthy environment cleans water naturally and will gain insight on the human impact on this system. Positive human actions on the natural and human-built environments are discussed. Register for this program separately or as a prerequisite to Watershed Field Experience.

Watch the Flow, Above and Below, Grades 4-12 • People need to use water wisely as it cycles through our human-built environment. Students will learn the basic infrastructure of how water flows from nature through our cities and towns and back again, and the impact of human behavior on this water system.

Additional programs may be available for your area than what is listed above. Visit naturevision.org for a complete listing.

To schedule a presentation, visit naturevision.org/program-registration or contact Nature Vision at info@naturevision.org or 425-836-2697.



Field Trips

Brightwater and South Wastewater Treatment Plants

King County Department of Natural Resources and Parks,
Wastewater Treatment Division

Grades 3-12 • Where does the water go when you brush and flush? Field trip programs focus on connecting students with water systems that they are a part of every day, but just don't know it! Programs are connected to in-classroom curriculum with a focus on water ecosystems, real-world water pollution solutions, recycling and food systems, and sustainability. Students will be encouraged to think about responsible water use and how everyday choices can help protect Puget Sound. Programs are free. Chaperones are required. Programs are offered at South Plant in Renton or Brightwater in Woodinville.

For more information about tours or to register, go to kingcounty.gov/services/environment/wastewater/education/programs/school.aspx.

Water Education Field Trips

Nature Vision

Grades K-12 • These field trips are offered as part of the Water Education classroom programs. (See page 8.)

Aquatic Insects Dip Field Experience

Students visit a local, accessible water site (pond, lake, or stream) and examine and identify aquatic insects that are water quality indicator species. Older students may also participate in water quality tests for oxygen, pH, temperature, and other characteristics. This program focuses on the importance of biodiversity within ecosystems and the protection of watershed health.

Watershed Field Experience

Students visit a local lake, wetland, or pond near their school and explore it with a naturalist. They observe plants and animals in this environment, examine and identify local freshwater invertebrates, and learn about the health of our greater watershed systems. Older students may also participate in water quality tests for oxygen, pH, temperature, and more.

To schedule a presentation, visit naturevision.org/program-registration or contact Nature Vision at info@naturevision.org or 425-836-2697.

Wheels to Water – Free Bus Transportation

King County Department of Natural Resources and Parks,
Wastewater Treatment Division and Metro Transit

Grades 3-12 • This Metro bus service is available to King County schools with a minimum 25 percent participation rate in the free and reduced lunch program. Group sizes can range from 20 to 70 people. Wheels to Water free bus transportation can be used for the following field trips:

- King County South Treatment Plant
- King County Brightwater Center
- Mountains to Sound Greenway Trust

Visit kingcounty.gov/services/environment/wastewater/education/wheels-to-water.aspx



Internship and Career Exploration

Career Programs and Teen Summer Internship Program

King County Department of Natural Resources and Parks,
Wastewater Treatment Division

Grades 9-12 • King County offers a variety of programs focused on career exploration and connecting high school students to careers involved in keeping our water clean! The following programs are offered for high-school-aged students:

Paid summer internships (six weeks) immerse students in understanding our local water systems and the variety of careers that are needed to keep our water clean. Application process starts in spring of each year.

Job-shadowing events at our treatment facilities allow high school students to explore careers in clean water.

King County staff are available to speak at career-exposure events and career fairs for high school students to increase awareness about the wide variety of jobs in wastewater.

For more information and to register for events, go to kingcounty.gov/services/environment/wastewater/education/internships.aspx.

Other Resources

Brightwater Center

King County Department of Natural Resources and Parks,
Water and Land Resources Division

All ages • The Brightwater Center is located in Woodinville, WA. It has 70 acres of natural and restored habitats that include wetlands, forest, ponds, streams, and open grassland.

The restored wetlands, creeks, and ponds are home to a variety of wildlife, including amphibians, birds, and salmon. The buildings are certified by Leadership in Energy and Environmental Design (LEED) and include an interactive exhibit hall, classrooms, college level laboratory, conference and event spaces, kitchen, and administrative offices.

The Brightwater Center offers the following programs:

- School field trip programs for grades 3-8 with topics on water, wastewater treatment, conservation, and ecology
- Treatment plant tours available for grades 9-12, university groups, and professional groups

- Teacher trainings for area school teachers
- Workshops and classes open to adults
- Monthly family programs and treatment plant tours open to the community

For more information about school programs, upcoming events, trainings, and workshops, go to kingcounty.gov/brightwater or email brightwatercenter@kingcounty.gov.

Brightwater Center Field Trip Programs in Woodinville

Grades 3-8 • King County partners with IslandWood to provide educational field trips for students in grades 3-8, utilizing the many resources at Brightwater Center. Field trips can accommodate up to 60 students per day, run from 10 a.m. to 2 p.m., and are free of charge. Teachers can choose from the following program options:

Freshwater Ecosystem Investigation, Grades 3-5

In this field experience, students engage in the scientific process by comparing aquatic macroinvertebrates from two pond ecosystems in the Brightwater Center natural area. This experience is designed for elementary classes studying ecosystems, habitats, or microorganisms.

Landforms Investigation, Grades 4-5

This field experience helps students make connections to concepts learned in the classroom-based Landforms Science Unit. Students will conduct field investigation in the Brightwater Center natural area, studying erosion, deposition, properties of streams, and run-off.

Humans and the Water Cycle, Grades 4-8

In this field experience, students explore how humans are connected to the water cycle. They observe what happens to the water used in their homes once it arrives at Brightwater and discover how their daily actions influence the Puget Sound watershed. This program includes hands-on lab activities, a guided study of the Brightwater treatment plant, and time to explore the engaging exhibit hall.

Free transportation is available to qualifying schools within King and Snohomish counties. For more information, contact Derek Jones at 206-263-9524 or derekj@islandwood.org, or visit islandwood.org/educational-programming/brightwater-center.

Groundwater Well Viewer

*King County Department of Natural Resources and Parks,
Water and Land Resources Division*

All ages • View locations of wells in an interactive groundwater mapping application at green.kingcounty.gov/groundwater/map.aspx.

Protecting Our Liquid Assets – Water resource information for Vashon-Maury Island

*King County Department of Natural Resources and Parks,
Water and Land Resources Division*

All ages • These online publications include information on the hydrologic system, roadside ditches, geology, and other aspects of groundwater. They can be found at kingcounty.gov/environment/waterandland/groundwater/management-areas/vashon-maury-island-gwma/liquid-assets.aspx.

Videos

Groundwater Story Animation

*King County Department of Natural Resources and Parks,
Water and Land Resources Division*

All ages • Watch this four-minute musical animation and learn about the importance of groundwater to living things – including people – and how to help protect this hidden resource. View it online at kingcounty.gov/environment/waterandland/groundwater/education/animation.aspx.

WATERSHEDS AND HABITAT

Action Projects

King County Volunteer Program/Tree Plantings and Restoration Projects for Youth

*King County Department of Natural Resources and Parks,
Parks and Recreation Division*

Grades 3-12 • Youth volunteer opportunities range from one-time events to the adoption of a local park or trail. Projects can vary significantly, depending on the specific goals and objectives of the participants and the opportunities available in parks and natural lands. Our focus for this year is on King County's 1 Million Trees initiative, so we are looking for school groups to come out and plant trees between October and March. This is a great way to discuss climate change and make a difference in our community.

Stewardship and restoration projects are popular and, besides plantings, may include fall and winter tree plantings or invasive plant removals for stream, wetland, forest, and meadow restoration projects at various parks throughout the year.

Volunteering at the King County greenhouse and nursery to help raise native plants for restoration projects can be done in the spring and is a great activity for younger students.

Special volunteer events can be arranged for school groups for plantings at the nursery and within natural areas and parks. Educators interested in a long-term experience can adopt a site with a minimum commitment of four projects per year such as cleaning up litter, planting trees, removing invasive plants, and monitoring the health of a site.



In addition to the special weekday school events, many projects are offered on Saturdays throughout the year. These make great extra credit projects or provide community service hours for students. Young people under the age of 16 must be accompanied by an adult. Any minors attending the event without a parent or legal guardian must bring a signed youth waiver to the event in order to participate. Teachers interested in a potential project for a class are encouraged to call.

Contact Volunteer Coordinators Tina Miller at 206-477-6112, tina.miller@kingcounty.gov or Lina Rose at 206-491-5014, lina.rose@kingcounty.gov, or visit kingcounty.gov/recreation/parks/volunteer.aspx.

WATERSHEDS AND SALMON

Classroom Programs

The Enviroscope – A Watershed Model

Friends of the Issaquah Salmon Hatchery (FISH)

Grades 3-8 • Using a table-top watershed model, students “pollute” the land, make it “rain,” and watch how pollution can affect the watershed. They then come up with solutions to pollution problems and identify things they can do to keep our watersheds (and salmon!) healthy. The whole activity takes approximately one hour per class. FISH requests a donation of \$50 per class for this lesson, which is offered from December to June.

Contact Pepper Hambrick, Program Coordinator, FISH at 425-392-1118 or education@issaquahfish.org, or visit issaquahfish.org.

Those Amazing Salmon – Classroom Presentations

Friends of the Issaquah Salmon Hatchery (FISH)

Grades K-6 • This popular presentation consists of a slide show discussing the definition and importance of watersheds, hatchery operations, and the lifecycle, habitat requirements, and predators of Pacific salmonids and the challenges they face. After the slide show, teachers have the option of a watershed or Native American legend activity for their class.

The presentation, which lasts from 45 minutes to 1.5 hours, is aligned to Washington State standards in science and social studies. Ideally, a class receives the presentation prior to a visit to the hatchery. FISH requests a donation of \$50 per class for this lesson, which is offered September through June.

Contact Pepper Hambrick, Program Coordinator, FISH at 425-392-1118 or education@issaquahfish.org.

Field Trips

Cedar River Salmon Journey

Seattle Aquarium

All ages • Take part in the Cedar River Salmon Journey this fall – and bring the kids! Come see spawning salmon and learn about them and the Cedar River. Volunteer naturalists will be stationed from 11 a.m. to 4 p.m. most weekends in October at several locations in Renton and Maple Valley.

For more information, email salmonjourney@seattleaquarium.org or visit seattleaquarium.org. For school field trip information, call 206-782-5851.

Salmon SEEson

*King County Department of Natural Resources and Parks,
Water and Land Resources Division*

All ages • During the fall, salmon return to streams and rivers around the Puget Sound. Spot the spawners in the Lake Washington/Cedar/Sammamish and Green/Duwamish and Central Puget Sound watersheds from September to mid-December, from Seattle to Issaquah and Woodinville to Renton and Tukwila. Salmon SEEson provides information to help you spy these natural beauties at various times and locations as they make their seasonal journey home each year. Many locations have staff or volunteer naturalists on hand to point out salmon; some are self-guided locations. Salmon SEEson opportunities are suitable for all ages. Classes can spend from 15 minutes to an hour on site, depending on the nature of the site and class needs. Flyers, posters, and a website are available to help you find the best time and location for you and your class to see spawning salmon.

Contact Jason Mulvihill-Kuntz, 206-477-4780 or jason.mulvihill-kuntz@kingcounty.gov, or visit gorlink.org/watersheds/8/action/salmon-seeson/default.aspx.



Those Amazing Salmon - Hatchery Tours

Friends of the Issaquah Salmon Hatchery (FISH)

Grades Pre-K to adults • Come see the salmon at Issaquah Creek! Watch spawning salmon, see the hatchery in action, and learn about challenges salmon face and what we can do to help them. Scheduled groups of students and adults are led through the hatchery by trained volunteer docents. Tours last 45 minutes to one hour and are available primarily mid-September through early November, though winter and spring/summer tours may also be scheduled. The tour, ideally in conjunction with the Those Amazing Salmon classroom presentation, helps fulfill the state mandate to provide environmental education experiences to students and is aligned to Washington State standards in science and social studies. FISH requests a fee of \$2 per student when possible.

Contact Pepper Hambrick, Program Coordinator, FISH at 425-392-1118 or education@issaquahfish.org.

OTHER ENVIRONMENTAL PROGRAMS AND SERVICES

Curricula

Connecting Kids with Nature through Science

Mountains to Sound Greenway Trust

Grades 4-12 • The Mountains to Sound Greenway Education Program helps teachers engage their students in science outside of the classroom. Curriculum topics include forest ecosystems, biodiversity, salmon life cycle and habitat, land use, and biosolids. Each curriculum includes an introductory lesson (taught by the classroom teacher), an in-class lesson, a field study trip to a nearby forest, a reflective lesson, and a service-learning stewardship event. Depending on the season, a stewardship event might involve removing blackberry, planting native trees and shrubs, or working in our native plant nursery. Each experience reinforces concepts presented in the previous experience. Register your class on our website mtsgreenway.org/education. King County Metro provides a limited number of Wheels to Water buses to transport students to their field study trip. Eligible schools have a free and reduced lunch percentage of at least 25 percent. Financial assistance is available for a limited number of buses to the stewardship event.

Contact Becca Kedenburg at becca.kedenburg@mtsgreenway.org or visit mtsgreenway.org.



Internet Resources

King County Department of Natural Resources and Parks – Publications Online

King County Department of Natural Resources and Parks

All ages • This web page is a useful resource for students doing research on local environmental issues. Online publications, including reports, newsletters, and brochures, can be accessed at kingcounty.gov/depts/dnrp/publications.aspx.

King County Department of Natural Resources and Parks – Volunteer Opportunities

King County Department of Natural Resources and Parks

Youth and adult • Find a volunteer project to suit your interest in the outdoors. Volunteer to improve wildlife habitat, retread a hiking trail, monitor water quality, adopt a park, or other important environmental activity. Visit kingcounty.gov/services/environment/stewardship/volunteer.aspx.

King County Department of Natural Resources and Parks Web Site

King County Department of Natural Resources and Parks

All ages • Find these favorite pages at kingcounty.gov/depts/dnrp/about/favorite-web-pages.aspx.

- The Dirt
- Index Map of Watersheds
- Natural Resources Reference Maps
- Northwest Native Plant Guide - King County, Washington
- Puget Sound Fresh
- Swimming Beaches, Water Quality and Temperature Data
- What do I do with...?

Also visit our School Resources page at kingcounty.gov/environment/stewardship/teachers-students.aspx.

King County Geographic Information System Web Site

King County GIS Center

All ages • Maps covering a wide variety of topics, including natural resources, transportation, demographics, and local government, can be found on the King County Map Hub. King County iMap, our portfolio of online mapping tools, provides educators and students with the ability to create their own maps in a variety of themes. It even includes aerial photography for many parts of the county dating from 1936 through the present.

For access to free maps and online interactive mapping tools, visit kingcounty.gov/gis.

King County Water and Land Resources Division Web Site

*King County Department of Natural Resources and Parks,
Water and Land Resources Division*

All ages • For information on watersheds, agriculture, forestry, and other water and land topics, visit kingcounty.gov/environment/wlr/topics.aspx.



Other Resources

King County GIS Custom Map Products for Educators

King County GIS Center

Teachers • King County GIS can prepare custom map products for curriculum support. For example, Sustainability Ambassadors, a non-profit organization empowering youth in community sustainability, engaged the King County GIS Center to help create a themed atlas of stormwater indicator maps for the Tahoma School District in suburban King County. The “Stormwater Neighborhood Atlas” serves as a community outreach tool to show students and the broader community the environmental conditions of their neighborhoods, highlighting unique project opportunities, such as pervious pavement installation and rainwater harvesting at the district’s own schools. Local student Sustainability Ambassadors worked with the school district, the Chamber of Commerce, the Rotary Club and the City of Maple Valley to distribute the “Stormwater Neighborhood Atlas” in classrooms throughout the district, in the public library, and for casual viewing in doctor and dentist waiting rooms and in the lobbies of public spaces such as coffee shops and city buildings. The King County GIS Center’s unique cartographic and design capabilities, and its direct access to King County’s extensive GIS data resources, were essential to this project. View the digital Atlas at www.kingcounty.gov/services/gis/ClientServices/Services/portfolio-publication-cartography.aspx.

Map products are developed on a fee-for-service basis.
Visit kingcounty.gov/services/gis/ClientServices.aspx.

King County GIS One-Day Workshop for Educators

King County GIS Center

Teachers • King County GIS offers two hands-on, one-day workshops to help teachers use compelling map and analysis technology in the classroom. ArcGIS Online for Educators focuses on cloud-based web-mapping tools. Putting GIS Data to Work for Educators: Informing Geo-Literacy

focuses on powerful GIS software that is free for schools. Both workshops prepare teachers to use GIS technology and real-world data to captivate students with classroom geographic analysis and mapping exercises. Workshop fee is \$495 each.

Visit kingcounty.gov/gis/training.

King County GIS Training Resources

King County GIS Center

Youth-adult • Learn about the GIS and mapping resources King County provides to the public in our downtown Seattle office via free one-hour “Lunch and Learn” workshops. King County GIS also has a bi-monthly GIS User Group meeting, featuring recent interesting projects, open to the public.

Visit kingcounty.gov/gis/training.

Nutrition

Curricula

Food \$ense (SNAP-Ed) Program

Washington State University/King County Extension

Grades K-6 • The Food \$ense program serves youth and adults with limited incomes by providing them with skills-based nutrition education that promotes positive health behaviors for obesity prevention. Individuals and families learn nutrition basics and smart buying strategies to help them make healthy choices and sustain their food supply throughout the month. Achieving calorie balance through physical activity is also encouraged. The Food \$ense program operates as part of WSU Extension in King County and is funded by a federal SNAP-Ed grant from the USDA. Services are free and available to audiences that qualify based on income. Currently, the Food \$ense program works with schools in the Highline and Kent school districts, as well as with other community partners.

Contact Jen Hey at 206-263-1914 or jen.hey@wsu.edu.



Transportation

AIRPORT/AVIATION EDUCATION

Classroom Programs

Airport of Opportunity: Take Off

King County Department of Transportation,

King County International Airport (KCIA)/Boeing Field

Grades 6-12 • Bring KCIA to your classroom! Let us connect your King County students to their airport with a presentation based on real world knowledge on topics such as airport security, airport operations and more.

Contact Trish Diamond at 206-477-9617 or tdiamond@kingcounty.gov.

Curricula

Opportunity Skyway

King County Department of Transportation,

King County International Airport (KCIA)/Boeing Field

Ages 16-20 at-risk youth and school dropouts • For seventeen years, Opportunity Skyway, located at King County International Airport/Boeing Field, has helped at-risk youth succeed in obtaining their high school diploma or GED. A Seattle School District, airport-based education initiative, this program teaches students about aviation and use hands-on projects to learn math, science, and vocational skills. The program includes out-of-school youth and accepts students between the ages of 16 and 20.

For more information, call 206- 296-7452 or visit interagency.seattleschools.org/about/opportunity_skyway.



Field Trips

Airport Tours and Lesson Plans

King County Department of Transportation,

King County International Airport (KCIA)/Boeing Field

All ages • Airport tours are available at no charge to groups such as civic associations and schools. Our tours provide a close-up look at KCIA/BFI and how it operates. You can customize a tour to fit the interest of different groups and grade levels.

We offer a variety of lesson plans and curricula to prepare your classroom for their tour of the airport.

- Airport Fun Port – recommended for grades K-2; tour includes aircraft rescue and firefighting, airport operations, and engineering
- Airport Adventurers – recommended for grades 3-5; tour includes aircraft rescue and firefighting, airport operations, and optional fixed based operator
- The STEM of Flight – recommended for grades 6-8; tour includes aircraft rescue and firefighting, airport operations, engineering, environmental engineering/Duwamish, FAA tower, finance and administration, maintenance, security, and optional fixed based operator
- Airport Careers and You – recommended for grades 9-12; tour includes aircraft and general aviation, airport operations, engineering, environmental engineering, FAA tower, finance and administration, marketing, security, and optional fixed based operator
- KCIA 101 – recommended for high school students and adults; tour includes airport operations, aircraft and general aviation, engineering, environmental engineering, FAA tower, finance and administration, marketing, security, and optional fixed based operator

Contact Trish Diamond at 206-477-9617 or tdiamond@kingcounty.gov.



Internship and Career Exploration

Teen Internship Program

*King County Department of Transportation,
King County International Airport (KCIA)/Boeing Field*

Grades 9-12 (ages 16+) • KCIA offers myriad opportunities to learn about aviation and the daily functions of an airport. We offer opportunities for middle and high school students to shadow various professionals within the airport, airport tours, and paid high school and college internships (as part of work-based learning, students can also earn academic credit).

We offer paid summer internships (10 weeks) for students exploring careers in airport finance, administration, maintenance and operations. Application process starts in spring of each year.

Contact Trish Diamond at 206-477-9617 or tdiamond@kingcounty.gov.



Other Resources

Speakers Bureau

*King County Department of Transportation,
King County International Airport (KCIA)/Boeing Field*

All ages • KCIA staff are available through our Airport of Opportunity outreach program for presentations to community organizations, business, schools, and civic organizations at their locations. Topics cover all aspects of King County International Airport/Boeing Field including airport administration, airport operations, business development and management, emerging business enterprise development, marketing and air service development, planning and engineering. Staff also speak at events and career fairs aimed at elementary, middle, and high schools to increase awareness about the variety of jobs in aviation.

Contact Trish Diamond at 206-477-9617 or tdiamond@kingcounty.gov.

TRANSIT

Field Trips

Youth Field Trip Program

*King County Department of Transportation,
Customer Communications and Services*

Grades K-12 • Schools and youth organizations may travel on Metro buses for half price. The maximum group size is 30 people. Get a program brochure, field trip forms, and ideas for fun destinations on a Metro bus at metro.kingcounty.gov/prog/kids/field.html.

Contact Patricia Banks at 206-477-6036 or patricia.banks@kingcounty.gov.

Youth Development

Action Projects

4-H Youth Development

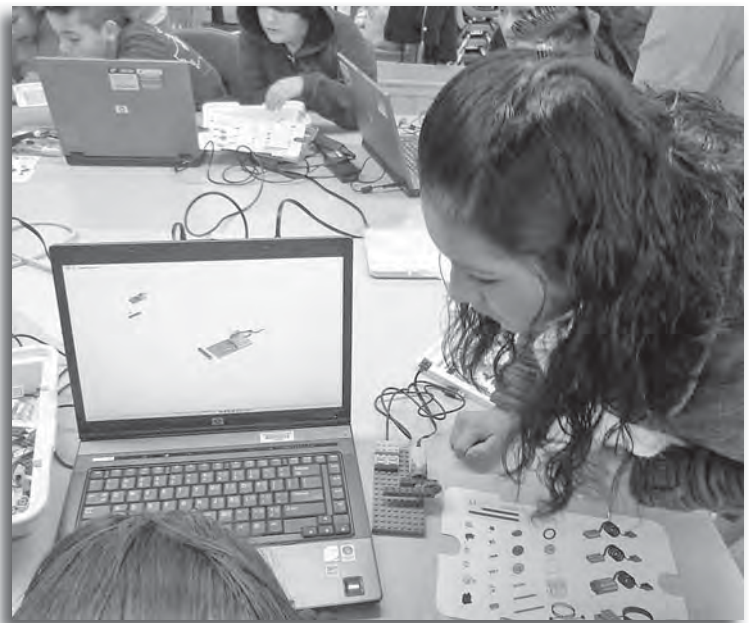
Washington State University/King County Extension

Grades K-12 • 4-H is the youth development educational program that enables youth to develop the knowledge, attitudes, and skills they need to become competent, caring, and contributing citizens of the world. These life skills include positive self-esteem, effective communication, teamwork, leadership, healthy life choices, problem solving, and much more.

King County 4-H offers a wide variety of projects and activities, including workshops, conferences, camps, public presentations, fairs, and community service projects. There are many unique ways to connect with 4-H, including clubs, after-school programs, and special programs such as ropes courses.

4-H youth development program serves a broad, diverse spectrum of youth in cities, suburbs, small towns and rural communities.

Visit extension.wsu.edu/king/4-h.



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King County Program Contacts

Department of Community and Human Services

Employment and Education Resources DCHS@kingcounty.gov

Department of Executive Services

Civil Rights Education
Matthew Butler matthew.butler@kingcounty.gov

Hazard and Preparedness Training

Partner in Preparedness Packets

Seismic Sleuths

Tremor Troops Curriculum Guide

Lynne Miller lynne.miller@kingcounty.gov

Department of Natural Resources and Parks

Adventures with Zeela Storybook

Donna Miscolta donna.miscolta@kingcounty.gov

Brightwater Center brightwatercenter@kingcounty.gov

Class Act

Donna Miscolta donna.miscolta@kingcounty.gov

EcoConnections Classroom Workshops

Elementary School Assembly – *Going Green Together*

Elementary School Classroom Workshops workshops@triangleassociates.com

Green Schools Program

Dale Alekel dale.alekel@kingcounty.gov

Green Teams

Green Team Campaigns

Green Team Mini-grants

Green Team Specialist greenteam@triangleassociates.com

Salmon SEEs

Jason Mulvihill-Kuntz jason.mulvihill-kuntz@kingcounty.gov

Volunteer Program/Tree Plantings

Tina Miller tina.miller@kingcounty.gov

Lina Rose lina.rose@kingcounty.gov

Department of Transportation

Airport of Opportunity: Take Off

Airport Tours and Lesson Plans

Speakers Bureau

Teen Internship Program

Trish Diamond tdiamond@kingcounty.gov

Youth Field Trip Program

Patricia Banks patricia.banks@kingcounty.gov

OTHERS

4Culture

4Culture Grants

Art Projects for Groups – Doreen Mitchum doreen.mitchum@4culture.org

Art Projects for Individuals – Heather Dwyer heather.dwyer@4culture.org

Collections Care – Brian J. Carter brian.carter@4culture.org

Community 4Culture – Heidi Jackson heidi.jackson@4culture.org

Cultural Facilities – Debra Twersky debra.twersky@4culture.org

Emergency and Unforseen – Debra Twersky debra.twersky@4culture.org

Equipment – Deb Twersky debra.twersky@4culture.org

Heritage Projects Programs – Brian J. Carter brian.carter@4culture.org

Landmarks Capital – Dana Phelan dana.phelan@4culture.org

Open 4Culture – Melissa Newbill melissa.newbill@4culture.org

Preservation Special Project- Brandi Link brandi.link@4culture.org

Sustained Support, Arts – Bret Fetzer bret.fetzer@4culture.org

Sustained Support, Heritage – Brian Carter brian.carter@4culture.org

Sustained Support, Preservation – Dana Phelan dana.phelan@4culture.org

Calls for Artists

Conductive Garboil – Cath Brunner cath.brunner@4culture.org

e4c – Heather Dwyer heather.dwyer@4culture.org

Gallery 4Culture – Jordan Howland jordan.howland@4culture.org

Tech Specific – Charlie Rathbun charlie.rathbun@4culture.org

Touring Arts Roster – Doreen Mitchum doreen.mitchum@4culture.org

Public Art Calls – Brennan Jernigan brennan.jernigan@4culture.org

Friends of the Issaquah Salmon Hatchery

The Enviroscape – A Watershed Model

Those Amazing Salmon – Classroom Presentations

Those Amazing Salmon – Hatchery Tours

Pepper Hambrick education@issaquahfish.org

Mountains to Sound Greenway Trust

Connecting Kids with Nature through Science

Becca Kedenburg becca.kedenburg@mtsgreenway.org

Nature Vision

Blue Teams

Water Education – Classes and field trips info@naturevision.org

Seattle Aquarium

Cedar River Salmon Journey salmonjourney@seattleaquarium.org

Washington State University – King County Extension

4-H Youth Development

Nancy Baskett nbaskett@wsu.edu

Food Sense (SNAP-Ed) Program

Jen Hey jen.hey@wsu.edu

Find it on the Net

Internet addresses found in this directory are listed below.

Arts, Culture and Heritage
4culture.org

Brightwater and South Wastewater Treatment Plants
kingcounty.gov/services/environment/wastewater/education.aspx

Brightwater Center
kingcounty.gov/brightwater

Brightwater Center Field Trip Programs in Woodville
islandwood.org/educational-programming/brightwater-center

Cedar Hills Landfill Tour
your.kingcounty.gov/solidwaste/about/tours.asp

Cedar River Salmon Journey
seattleaquarium.org/salmon-journey

Civil Rights Education
kingcounty.gov/depts/civil-rights/kids-web.aspx

Class Act Newsletter
your.kingcounty.gov/solidwaste/education/classact/index.asp

Community and Human Services
kingcounty.gov/operations/DCHS/Services.aspx

EcoConnections Classroom Workshops
your.kingcounty.gov/solidwaste/secondaryschool/workshops.asp

Elementary School Assembly – Going Green Together
your.kingcounty.gov/solidwaste/elementaryschool/assembly.asp

Elementary School Classroom Workshops
your.kingcounty.gov/solidwaste/elementaryschool/workshops.asp

Emergency Preparedness
kingcounty.gov/safety/prepare.aspx

Employment and Education Resources
kingcounty.gov/depts/community-human-services/employment-and-education-resources/youth-services.aspx

Friends of the Issaquah Salmon Hatchery
issaquahfish.org

Geographic Information System
kingcounty.gov/operations/GIS.aspx

Greens Schools Program
kingcounty.gov/GreenSchools

Green Team Campaigns
your.kingcounty.gov/solidwaste/secondaryschool/gtworkshops.asp

Green Team Mini-grants
your.kingcounty.gov/solidwaste/elementaryschool/index.asp

Green Teams
your.kingcounty.gov/solidwaste/elementaryschool/greenteams.asp

Groundwater Story Animation
kingcounty.gov/environment/waterandland/groundwater/education/animation.aspx

Groundwater Well Viewer
green2.kingcounty.gov/groundwater/map.aspx

Mountains to Sound Greenway
mtsgreenway.org

Natural Resources and Parks Publications
kingcounty.gov/depts/dnrp/publications.aspx

Natural Resources and Parks School Resources
kingcounty.gov/environment/stewardship/teachers-students.aspx

Natural Resources and Parks Volunteer Opportunities
kingcounty.gov/services/environment/stewardship/volunteer.aspx

Nature Vision – Blue Teams
naturevision.org

Parks Programs
kingcounty.gov/recreation/parks.aspx

Programs for Educators Directory –TEACH
your.kingcounty.gov/solidwaste/education/documents/Programs_for_educators.pdf

Protecting Our Liquid Assets – Water resource information for Vashon-Maury Island
kingcounty.gov/environment/waterandland/groundwater/management-areas/vashon-maury-island-gwma/liquid-assets.aspx

Salmon SEEs
govlink.org/watersheds/8/action/salmon-seeson/default.aspx

Seismic Sleuths Curriculum Guide
fema.gov/media-library/assets/documents/15229?id=3558

Solid Waste Division Schools Programs
your.kingcounty.gov/solidwaste/education/index.asp

Transfer Station Tour
your.kingcounty.gov/solidwaste/about/tours.asp

Tremor Troops Curriculum Guide
fema.gov/media-library/assets/documents/2915?id=1632

Volunteer Program/Tree Plantings and Restoration Projects
kingcounty.gov/recreation/parks/volunteer.aspx

Waste Reduction and Recycling Topics
your.kingcounty.gov/solidwaste/index.asp

Wastewater and Stormwater in Schools
kingcounty.gov/services/environment/wastewater/education/programs/school.aspx

Wheels to Water Program
<http://kingcounty.gov/services/environment/wastewater/education/wheels-to-water.aspx>

WSU King County Extension
extension.wsu.edu/king

Youth Transit Field Trip Program
metro.kingcounty.gov/prog/kids/field.html

King County Offices Featured in this Document

Department of Executive Services

Caroline Whalen, Director
401 Fifth Avenue, Suite 135 • Seattle, WA 98104
206-263-9750

Department of Community and Human Services

Adrienne Quinn, Director
401 Fifth Avenue, Suite 500 • Seattle, WA 98104
206-263-9100

Department of Natural Resources and Parks

Christie True, Director
201 South Jackson Street, Suite 700 • Seattle, WA 98104
206-477-4700

Department of Transportation

Harold S. Taniguchi, Director
201 South Jackson Street, Room 815 • Seattle, WA 98104
206-477-3800

King County Executive

Dow Constantine

King County Council

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District 2 Larry Gossett
District 3..... Kathy Lambert
District 4 Jeanne Kohl-Welles
District 5..... Dave Upthegrove
District 6 Claudia Balducci
District 7Pete von Reichbauer
District 8 Joe McDermott
District 9 Reagan Dunn

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