



King County
 Department of
 Natural Resources and Parks
 Solid Waste Division

Select EALRs and GLEs for King County WRR Workshops – Elementary Grades

Workshop	Workshop Description	Science	Other Subjects
PRIMARY CLASSROOM WORKSHOPS Grades 1-3			
Healthy Habitat	By exploring the basic components of habitat – food, water, shelter and space – students make the connection between their actions and a healthy habitat. Students play a game that introduces them to a variety of animals native to the Northwest, the types of habitat they need, and simple ways to protect habitat.	<p>K-1 APPC A problem may have more than one acceptable solution.</p> <p>K-1 ES2A Some objects occur in nature; others have been designed and processed by people.</p> <p>K-1 LS2A There are different kinds of natural areas, or habitats, where many different plants and animals live together.</p> <p>K-1 LS2B A habitat supports the growth of many different plants and animals by meeting their basic needs of food, water, and shelter.</p> <p>K-1 LS2C Humans can change natural habitats in ways that can be helpful or harmful for the plants and animals that live there.</p> <p>2-3 INQB A scientific investigation may include making and following a plan to accurately observe and describe objects, events, and organisms; make and record measurements; and predict outcomes.</p> <p>2-3 SYSA A system is a group of interacting parts that form a whole.</p> <p>2-3 SYSB A whole object, plant or animal may not continue to function the same way if some of its parts are missing.</p> <p>2-3 LS2D Humans impact ecosystems in both positive and negative ways.</p>	<p>Geography 3.2.1 Understands that people in communities affect the environment as they meet their needs and wants.</p> <p>Communication 1.2.1 Understands how to use strategies to infer and make personal connections to auditory and visual information.</p> <p>Communication 2.2.2 Understands how to contribute responsibly in a one-on-one conversation or group setting.</p> <p>Health & Fitness 3.1.2 Understands the effects of environmental and external factors on personal, family, and community health.</p>

Workshop	Workshop Description	Science	Other Subjects
PRIMARY CLASSROOM WORKSHOPS Grades 1-3			
Rethink and Reuse	This hands-on workshop teaches students how using something again can make a difference for the environment. After a quick-paced activity that provides real-life examples of how to substitute disposable items with reusables, the class engages in a reuse project that demonstrates how reusing can be both functional and fun. Students may create envelopes, magnets, picture frames or twig notebook pads.	<p>K-1 APPA Common tools can be used to solve problems.</p> <p>K-1 LS2C Humans can change natural habitats in ways that can be helpful or harmful for the plants and animals that live there.</p> <p>K-1 ES2A Some objects occur in nature; others have been designed and processed by people.</p> <p>2-3 INQA Scientific investigations are designed to gain knowledge about the natural world.</p> <p>2-3 APPB Scientific ideas and discoveries can be applied to solving problems.</p> <p>2-3 APPE Successful solutions to problems often depend on selection of the best tools and materials and on previous experience.</p> <p>2-3 LS2D Humans impact ecosystems in both positive and negative ways.</p>	<p>Geography 3.2.1 Understands that people in communities affect the environment as they meet their needs and wants.</p> <p>Communication 1.1.1 Applies a variety of listening strategies to accommodate the listening situation.</p> <p>Communication 2.2.2 Understands how to contribute responsibly in a one-on-one conversation or group setting.</p> <p>Health & Fitness 3.1.2 Understands the effects of environmental and external factors on personal, family, and community health.</p>
INTERMEDIATE CLASSROOM WORKSHOPS Grades 3-6			
Earth Smart Choices	As they examine popular lunch and snack products, students learn about packaging and how their consumer habits affect the environment. They learn to recognize packaging that is wasteful and compare it with packaging that is reusable, recyclable and makes less waste. At the end of the workshop, students participate in a waste-free challenge.	<p>4-5 SYSC Systems have inputs and outputs. Changes in inputs may change the outputs of a system.</p> <p>4-5 INQA Scientific investigations involve asking and answering questions and comparing the answers with evidence from the real world.</p> <p>4-5 APPA Technology involves changing the natural world to meet human needs or wants.</p> <p>4-5 ES2A Earth materials provide many of the resources that humans use.</p> <p>4-5 LS2F People affect ecosystems both positively and negatively.</p>	<p>Geography 3.2.1 Understands how the environment affects cultural groups and how cultural groups affect the environment.</p> <p>Communication 1.1.2 Applies a variety of listening and observation skills/strategies to interpret information.</p> <p>Communication 3.3.1 Applies skills for delivery of effective oral communication and presentations.</p> <p>Math 3.5.D Estimate, measure, and compare capacity using appropriate-sized U.S. customary and metric units.</p>

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Garbology	What do a 20-year-old hot dog and a newspaper from 1956 have in common? They both might be found in our local landfill. What happens to the things we throw in the trash? With inquiry-based activities, students “dig into” a landfill, the simple science of decomposition, and the importance of the four Rs.	<p>2-3 SYSB A whole object, plant, or animal may not continue to function the same way if some of its parts are missing.</p> <p>2-3 INQA Scientific investigations are designed to gain knowledge about the natural world.</p> <p>2-3 LS2D Humans impact ecosystems in both positive and negative ways.</p> <p>4-5 SYSD One defective part can cause a subsystem to malfunction, which in turn will affect the system as a whole.</p> <p>4-5 APPA Technology involves changing the natural world to meet human needs or wants.</p> <p>4-5 LS2F People affect ecosystems both positively and negatively.</p>	<p>Geography 3.2.1 Understands how the environment affects cultural groups and how cultural groups affect the environment.</p> <p>Communication 1.2.1 Applies strategies to comprehend auditory and visual information.</p> <p>Communication 2.2.2 Understands how to contribute responsibly in a one-to-one conversation or group setting.</p> <p>Health & Fitness 3.1.2 Understands the effects of environmental and external factors on personal, family, and community health.</p>
Habitat Stewardship	This more advanced habitat workshop introduces the concept of “stewardship,” providing an in-depth look at the necessary components of habitat and the roles we play in keeping it healthy. Students examine their personal choices and their impacts on the environment as they learn about several native Northwest animals and their habitats.	<p>4-5 APPA Technology involves changing the natural world to meet human needs or wants.</p> <p>4-5 SYSB A system can do things that none of its subsystems can do by themselves.</p> <p>4-5 INQD Investigations involve systematic collection and recording of relevant observations and data.</p> <p>4-5 LS2F People affect ecosystems both positively and negatively.</p> <p>4-5 LS2E All plants and animals change the ecosystem where they live. If this change reduces another organism’s access to resources, that organism may move to another location or die.</p>	<p>Geography 3.2.1 Understands how the environment affects cultural groups and how cultural groups affect the environment.</p> <p>Communication 1.2.1 Applies strategies to comprehend auditory and visual information.</p> <p>Communication 2.2.2 Understands how to contribute responsibly in a one-to-one conversation or group setting.</p> <p>Communication 3.1.1 Applies skills to plan for effective oral communication and presentation.</p>

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Recycling Leadership (Green Team workshop)	For classes ready to be leaders within their school, this workshop goes beyond basic recycling. Through hands-on activities and games, students learn proper sorting of recyclables, discuss recycling problems within the school, and brainstorm ways to address them. Students consider ways such as research, skits, posters, or intercom announcements to address and solve school recycling problems.	<p>4-5 SYSC Systems have inputs and outputs. Changes in inputs may change the outputs of a system.</p> <p>4-5 APPC Problems of moderate complexity can be solved using the technological design process. This process begins by defining and researching the problem being solved.</p> <p>4-5 ES2A Earth materials provide many of the resources that humans use.</p> <p>4-5 LS2F People affect ecosystems both positively and negatively.</p>	<p>Geography 3.2.1 Understands how the environment affects cultural groups and how cultural groups affect the environment.</p> <p>Communication 1.1.1: Applies a variety of listening strategies to accommodate the listening situation.</p> <p>Communication 2.1.1 Uses language and adapts to the needs of the audience, situation and setting.</p> <p>Communication 3.3.1 Applies skills for delivery of effective oral communication and presentations.</p> <p>Health & Fitness 3.1.2 Understands the effects of environmental and external factors on personal, family, and community health.</p>
CLASSROOM WORKSHOPS All Grades			
Environmental Leadership (Green Team workshop)	For students ready to become habitat stewards, this workshop assists in planning a project such as picking up litter, organizing a waste-free lunch, adopting a garden, or other stewardship project of their choice. Students may use writing, drama, or art skills to develop letters, posters, skits, announcements or other techniques to share their findings with the larger community and encourage conservation behaviors.	<p>2-3 INQB A scientific investigation may include making and following a plan to accurately observe and describe objects, events, and organisms; make and record measurements; and predict outcomes.</p> <p>2-3 APPB Scientific ideas and discoveries can be applied to solving problems.</p> <p>2-3 LS2D Humans impact ecosystems in both positive and negative ways.</p> <p>4-5 INQD Investigations involve systematic collection and recording of relevant observations and data.</p> <p>4-5 ES2A Earth materials provide many of the resources that humans use.</p>	<p>Geography 3.2.1 Understands that people in communities affect the environment as they meet their needs and wants.</p> <p>Communication 1.1.2 Applies a variety of listening and observation skills/strategies to interpret information.</p> <p>Communication 2.1.1 Uses language and adapts to the needs of the audience, situation and setting.</p> <p>Communication 3.1.1 Applies skills to plan for effective oral communication and presentation.</p>

Workshop	Workshop Description	Science	Other Subjects
<p>Recycling Basics and Beyond</p>	<p>This workshop teaches the concepts of waste reduction, reuse, and recycling at home and in school. Students sort recyclables, play a fast-paced quiz game, and learn how contamination and improper sorting can be a problem. This workshop is tailored to student knowledge and ability. By the end of the workshop, students have a clear understanding of what can be recycled and what can't.</p>	<p>K-1 APPC A problem may have more than one acceptable solution. K-1 LS2C Humans can change natural habitats in ways that can be helpful or harmful for the plants and animals that live there. 2-3 APPB Scientific ideas and discoveries can be applied to solving problems. 2-3 LS2D Humans impact ecosystems in both positive and negative ways. 4-5 SYSB A system can do things that none of its subsystems can do by themselves. 4-5 APPA Technology involves changing the natural world to meet human needs or wants. 4-5 ES2A Earth materials provide many of the resources that humans use.</p>	<p>Geography 3.2.1 Understands how the environment affects cultural groups and how cultural groups affect the environment. Communication 2.2.2 Understands how to contribute responsibly in a one-to-one conversation or group setting. Health & Fitness 3.1.2 Understands the effects of environmental and external factors on personal, family, and community health.</p>
<p>Worm Bins – Food Composting (Green Team workshop)</p>	<p>Everything you need to know about setting up and maintaining your worm bin is explained. Students learn how composting is a big part of the four Rs and how worm bins cut down on garbage. The presenter brings red wiggler worms to your classroom. All you need to supply are the container and bedding (newspaper and leaves) to start a worm bin.</p>	<p>K-1 LS2B A habitat supports the growth of many different plants and animals by meeting their basic needs of food, water, and shelter. 2-3 APPE Successful solutions to problems often depend on selection of the best tools and materials and on previous experience. 2-3 LS2A Ecosystems support all life on the planet, including human life, by providing food, fresh water, and breathable air. 4-5 SYSC Systems have inputs and outputs. Changes in inputs may change the outputs of a</p>	<p>Geography 3.2.1 Understands how the environment affects cultural groups and how cultural groups affect the environment. Communication 1.1.1 Applies a variety of listening strategies to accommodate the listening situation. Communication 2.2.2 Understands how to contribute responsibly in a one-to-one conversation or group setting. Health & Fitness 3.1.2 Understands the effects of environmental and external factors on personal, family, and community health.</p>

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