



## Pikes Peak Children's Water Festival

### Program Guide 2019

Organization	Name	Location	Activity Title	Activity Description
<b>Bailey Land Solutions</b>	Kacey Betts	NW grassy hill/ rain= theater	Junior BMP Academy - #2	Students will install storm water best management practices (BMPs) that they see all around town and have a small discussion as to why it is important to prevent storm water pollution.
<b>Bailey Land Solutions</b>	Erinn Pablo	NW grassy hill/ rain= theater	Junior BMP Academy - #1	Students will install storm water best management practices (BMPs) that they see all around town and have a small discussion as to why it is important to prevent storm water pollution.
<b>Bully Moose Pulpit Interpretive Historian</b>	Don Moon	Atrium	Water Wizard #3	Classes compete against each other to see who knows the answers to water trivia.
<b>Catamount Institute</b>	Sam Hinkle	A352	Worms!	Students will conduct experiments on live worms to identify which abiotic factors worms depend on in their habitat (including soil moisture).
<b>Cheyenne Mtn. Zoo</b>	Stacey Graham	S circle W side/ rain= A314	Colorado Amphibians: They Need Clean Water Too!	Students will learn about Tiger Salamanders (CO state amphibian), and how amphibians actually absorb oxygen through their skin. Through a hands-on demonstration, kids will learn how polluted/contaminated water can be harmful to amphibians.
<b>City of Colorado Springs Stormwater</b>	Tim Biolchini	Atrium courtyard/ rain= A315	Sediment Transport H2O	Students build sand landscapes and observe erosion caused by fast moving water.
<b>City of Colorado Springs Stormwater</b>	Wendi Knutsen	Courtyard- W side / rain = A226	Stormwater Enviroscape - Station 1	Students simulate a rainstorm to learn about point and non-point source pollution, how it effects water quality and ways to protect our waterways.

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<b>City's Office of Innovation &amp; Sustainability</b>	Ryan Trujillo	N grassy strip - E side/ rain= A216a	There is No New Water!	Human uses and impacts on water quality and quantity differ in some significant ways in urban and agricultural areas, yet both share the same watershed. In this activity, youth will create a simulated watershed and observe how pollution from urban and agricultural areas mix.
<b>Colorado Parks &amp; Wildlife</b>	Paul Foutz	E side Auto bay/ rain = B226a	Native CO Fish and Stream Ecology - Station 2	Colorado Parks & Wildlife staff will teach students about fish adaptations, native vs. non-native fish, fish anatomy and stream ecology. Students will handle live fish from Fountain Creek to observe and handle.
<b>Colorado Parks &amp; Wildlife</b>	Tracy Predmore	E side Auto bay/ rain = B226a	Native CO Fish and Stream Ecology - Station 1	Colorado Parks & Wildlife staff will teach students about fish adaptations, native vs. non-native fish, fish anatomy and stream ecology. Students will handle live fish from Fountain Creek to observe and handle.
<b>Colorado Springs Fire Department</b>	Kathy Hook	A140	Fire Safety in Our Dry Community	Students learn the importance of fire safety and fire mitigation in a community that lacks water resources. They will play a game showing how embers spread with and without forest mitigation.
<b>Colorado Springs Utilities Community Outreach and Education</b>	Jane Zook	A167	Water Wizard #2	Classes compete against each other to see who knows the answers to water trivia.
<b>Colorado Springs Utilities Engineering</b>	David Thresher	A259	Say No to Rust	Find out how Utilities uses cathodic protection to save their metal pipes from rusting by conducting volt testing on metal samples to determine the best sacrificial anode.
<b>Colorado Springs Utilities Environmental Services</b>	Kirsta Scherff-Norris	A354	Raptors need Water Too!	Students learn raptor characteristics, adaptations, identification, natural history, basic biology and the Migratory Bird Treaty Act. Students have the opportunity to touch a raptor's talons and wings.
<b>Colorado Springs Utilities Water Conservation</b>	Lance Ackerman	Courtyard pathway/ rain=A316	Engineer a Raw Water System	Learn the components and function of a raw water system, build and test your own, and race water from the Rocky Mountains to town.
<b>Colorado Springs Utilities Water Conservation</b>	Catherine Moravec	A260a	Water Wise Plants	Learn the amazing ways plants have adapted to our dry climate. Students will examine, touch and smell plant samples through fun, interactive activities.

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<b>Colorado Springs Utilities Water Conservation</b>	Lisa Pace	Gym	Water Wizard #1	Classes compete against each other to see who knows the answers to water trivia.
<b>Colorado Springs Utilities Water Conservation</b>	Elizabeth Ritchey	S circle E side/ rain=A319	Snowmelt is Your Water Supply!	Students will learn how snowpack is measured to determine water content and do a fun hands-on experiment with Instant Snow powder.
<b>Colorado Springs Utilities Water Conservation</b>	David Rudin	A255	Aquatic Macroinvertebrate Identification	Students will have the opportunity to work with live aquatic macroinvertebrates, using magnification devices to help identify them and learning how they can be used to help determine water quality.
<b>Colorado Springs Utilities Water Quality</b>	Jennifer Sullivan	A167b	Water Chemistry	Students learn about the drinking water system in Colorado Springs and how Utilities ensures safety and protection of their water. Students will conduct field tests on water samples to determine pH, conductivity and chlorine concentrations.
<b>Cool Science</b>	Pat Sullivan	A358	Water Physics and Chemistry	Students learn how air pressure affects the boiling temperature of water and what this means for cooking; what is "hard" water and how does it interact with soap and shampoo.
<b>El Paso County Parks</b>	Nancy Bernard	NW field/ rain=A356	Life In, On and Around the Water	Macroinvertebrate discovery and group activity game: Wetlands- the Nutrient Trap.
<b>Fountain Creek Watershed Flood Control and Greenway District</b>	Alli Schuch	A167a	Stormwater Soup	Students will meet the Smith Family, who go about their everyday activities, while unknowingly polluting their home watershed.
<b>Fountain Creek Water Sentinels</b>	Fran Silva-Blayney	N grassy strip - W side/ rain=A216c	Citizen Science Water Sampling	Students become citizen scientists and learn how data collection relates to watershed health. They will understand the relationship between pH and healthy water while conducting a hands-on pH water testing activity.
<b>National Weather Service</b>	Tony Anderson	A318	What's Happening in the Watershed	Self-contained water model simulating changing conditions in a watershed and how those changes may affect the hydrology of the river
<b>Pikes Peak Community College</b>	Kris Gates	A173b	Amphibious by Design	Presentation with live fish, amphibians and aquatic turtles allow students to learn about physical adaptations of animals in water environments.

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<b>Pikes Peak Library District</b>	Kristin Brown	A169	Lake Story	Students participate in an interactive story about how a clean lake becomes harmed by various substances and how the community cleans it up. In addition, the students will conduct a pantomime of the water cycle.
<b>United States Air Force Academy</b>	Sandy Lamb	A253	Showerhead Showdown	Students will use the engineering design process to create a showerhead that will save water, but still rinse off soap.
<b>United States Geological Survey</b>	Laura Hempel	A364	Wonders of the Water Cycle	Students will be water detectives to uncover where water is located and how much water can be found in those places. We will also discover who uses the most water in Colorado and get hands on with the tools that water scientists at the USGS use to measure the amounts and qualities of water!
<b>USDA - Natural Resources Conservation Service</b>	Jeff Goats	Courtyard/ rain =A224	Soil Health and Clean Water	Maintaining healthy soil on agricultural land is one of the most important ways to reduce non-point source pollutions into rivers and streams. Students will experience the Soil Tunnel, view organisms that live in soil and feel the texture of different soil types.

Thank you to our Committee and Sponsors for supporting the Pikes Peak Children’s Water Festival!

