

## Longfellow School Wetlands Festival Stations

Grade	A	B	C	D	E	
Kindergarten and 1st grades attend the wetlands near Langohr's Flowerland						
K	Activity	What is a wetland?	Wetland Animals	Wetland Insects	Wetland Animals 2	Wetland Plants
	Goal	First introduction	Herps - turtles	Bugs - dragonflies	Other life - bats	Plants
	Connection	Living things	Living things	Living things	Living things	Living things
Wetlands day will be used for in-class introduction to wetlands using MT Watercourse Pond Trunk with a follow up field trip later in the year. This will be more appropriate for K's as they have only ever been in school for a month.						
2nd and 3rd grades attend the Cherry Creek Wetlands						
2	Activity	What's out there? - Assessing your surroundings	Scavenger Hunt	Bringing the Rain to Kapiti Plain	Water cycle	Life in the Fast Lane
	Goal	Use your senses to explore a wetland	Observe and find textures and colors of a wetland	Legends about water; interactive movement in a story	Introduce the water cycle	Animals find food, water and shelter in a wetland
	Connection	Observation skills - weather (es) and foundation for all kits	Solids and liquids (ps) and observation (touch and sight)	Weather (es) and literary connections	Weather and water cycle (5th grade) (es); solids and liquids (ps)	Organisms kit (ls), social studies (needs and wants)
3	Activity	Wetland metaphors and wetlands in a pan	Groundwater flow model	Activity: Big Bin O' Bugs	Insect Studies	Cattails
	Goal	What wetlands do and how they work	Water movement through 3 types of soils	ID, classify and sort insects	Life cycles, vocabulary and observation; estimate size	Themes of plant kit with special wetland plant; adaptations
	Connection	SPI kit-soils and plants (ls)	SPI-soils (es)	SPI -insects (ls)	SPI-Insects (ls); math (estimation)	SPI-Plants (ls)
3	Activity	Dress a Beaver	Do you dig wetlands soils?	Enviroscape Model	Sound maps and poetry	Wetland water art
	Goal	Wetland animal adaptations (mammals, birds and fish); compare to human adaptations	Investigate soil and oxidation of minerals of wetlands soil	Dissolving chemicals, mixtures and watersheds	Hearing and identifying the sounds of a wetlands	Painting using water to express elements of habitat, use of negative space; ID wetland plants and make a label
	Connection	Animal Studies (ls)	Rocks and minerals (es); chemical test (ps); art; math (measurement)	Chemical tests (ps) and watersheds (es)	Sounds (ts); map skills (social studies); writing language arts	Art and science (observation); plant ID
4th grade attends Gallatin Valley Make-a-Splash organized by Montana Outdoor Science School						
4	Activity	Fish Hatchery tour	Aquatic Insects	Incredible Journey	Is there water on Zork?	Groundwater (optional)
	Goal	Fish life cycle, contamination, disease and whirling disease, and fish skeletons and structures	Health of the stream using invertebrates, practice microscope skills, show that invertebrates lack a skeleton	Experience the water cycle physically; establish basis for knowledge of how water gets upstream to replenish behind a dam electricity	Practice scientific processes, learn about cross-contamination, health issues with water in the human body	learn about groundwater flow and contaminant movement
	Connection	Contamination and skeletons (human body) (ls)	Science processes (ts); Human body (skeletons) (ls)	Water cycle (5th grade) (es); Electricity (ps)	Food chemistry (ts) and Human body (ls)	Landforms and water cycle (es) (5th grade)
5th grade attends Bozeman Wastewater Treatment Plant						
5	Activity	Watershed treatment plant	Mapping our watershed	Water crossings	Go with the flow	
	Goal	Learn what happens when you flush the toilet, learn what microbes help treat water, learn how wetlands are like a treatment plant	See and know your watershed, learn vocabulary	Learn how water affected peoples' travel; materials from wetlands used for boat building; qualities of things that float and sink	Measure water flow, understand CFS (cubic feet per second); data collection	Journals for all students
	Connection	Microworlds (ls); Models and designs (tc)	Models and designs (tc); social studies (mapping); Landforms (es)	History; Models and designs (tc); floating and sinking (ps); labeling	Landforms (es); Models and designs (tc); math (means)	