PROJECT WET ACTIVITIES* CORRELATION TO ELEMENTARY SCIENCE KITS (FOSS) – draft 1/05

*Also Conserve Water, WOW: Wonders of Wetlands. Discover a Watershed, Project WILD-Aquatic and trunks

FOSS Kit Activity or Concept	Guide	Activity name	page
SOLIDS & LIQUIDS (Grade 1)			
Activity 1 - Solids			
Activity 2 – Bits and Pieces			
Activity 3 – Liquids	WET	Is there Water on Zork? (*designed for Middle school but could be adapted for younger students*) Focus: Water as one of the most useful liquids (identification)	43
Activity 4 – Solids and Liquids with Water	WET	What's the Solution? (*designed for upper elem. but could be adapted*) Focus: How water dissolves solids liquids and gases	54
teacher professional development/background information	WET WET	-Hangin' Together *(middle school but could be adapted)* Focus: How hydrogen bonds form water and it's characteristics - Molecules in Motion (upper elem.) Focus: States of Water	35 47
Assessments	River of Words	Writing and art about water (National contest)	
Grade 1 WEATHER			
Concept 1 – Weather changes from day to day and week to week.	WET	A House of Seasons Focus: Water is present in every season	155
Concept 2 – Features of weather include cloud cover, precipitation, wind and temperature.	WET	The Thunderstorm Focus: mimic sounds of a thunderstorm	196
Concept 3 – Tools used to measure different features of weather include wind scales, thermometers, and rain gauges. **Lesson 11** Exploring Puddles	WET WET	The Thunderstorm Focus: monitor and record precipitation Incredible Journey Focus: tracing water through the water cycle	196 161

Cncpt 5 – Weather affects the decisions people make about the clothing they will wear and about their outside activities.	WET	-Wet Vacation (Middle School) Focus: identify factors the affect temp. -Piece it Together (Upper Elem.) Focus: Locate global climates *Read* Regional Stories	207 174
Grade 3 Animal Studies			
		The Pond Trunk and all of its activities available from Montana Watercourse work really well with this kit for 3rd grade – call 994-6671 to reserve it	
Grade 5 Landforms			
Act. 1 Schoolyard Models – Models and maps are ways of representing landforms and human structures.	WET	-Rainy Day Hike Focus: identifying local watershed *takes activity 1 one step farther -Just Passing Through	186 166
Stream Tables – Water is an important agent in shaping the earth's landforms. - Landforms that result from running water include canyons, deltas, and alluvial fans.	WET	-Rainy Day Hike -Branching Out Focus: where water will flow and what effect it has on the landscape	186 129
Go With The Flow – The slope of the land over which a river flows has an effect on the processes of erosion and deposition.	WET	-Just Passing Through Focus: how plant cover effects erosion -The Great Stony Book focus: demonstrate water's involvement in sedimentation and erosion	166 150
Build A Mountain			
Bird's-Eye View	WET	Branching Out	129
Grade 5 Water Cycle Teacher's Prep	 CW WET	 -Hydrolgic Primer -Hangin' Together -Incredible Journey	 131 35 161
Cncpt 1 - Where is Water?	WET Wild	-Drop In the Bucket -Hangin' Together -How wet Planet	238 35 121
Cncpt 2 - Water in Soil	WET WOW	-Capture, Store & Release -Ground Water Flow Model -Water Under Foot -How Thirsty is the Ground?	133 trunk 204 239
Cncpt 3 - Water in Plants Pg 28 extensions	WET	-Aqua Bodies -Thirsty Plants	63 116
Cncpt 4 - Evaporating Water	WET	-Is There Water on Zork? -Hangin' Together -Molecules In Motion	43 35 47
Cncpt 5- Puddle Watching	WET	-Life In the Fast Lane	79
Cncpt 6 - More Water Into the Air			

Cncpt 7 - How Much Water			
Cncpt 8 – Condensing Water	WET	Water Models	201
Cncpt 9 -A Model Cloud	WET	Water Models	201
Cncpt 10 Making A Rainbow			
Cncpt 11 -A Terrarium		Ground Water Flow Model	trunk
Cncpt 12 -Evaporation & Condensation	WET	Water Models	201
Cncpt 13 -Water Cycle	WET ROW Wild DAW	-Cold Cash In the Ice Box -Incredible Journey -Just Passing Through -Imagine! (science and language arts association) -Water Wings -Blue Beads	373 161 166 157
Grade 5 Floating and Sinking		*Great book… activities that correlate are adventures in density*	
Cncpt 1 – Several variables affect the buoyancy of an object			
Cncpt 2 – Water pushes up on both floating and submerged object with a buoyant force; objects push down on the water.	WET	Hangin' Together (improves prof level of understanding	35
Cncpt 3 – The buoyant force on large objects is greater than the buoyant force on smaller objects.			
Cncpt 4 – The amount of water an object displaces is directly related to the object's volume.			
Cncpt 5 – Because of buoyant force, objects appear to weigh less when they are submerged.			
Cncpt 6 – Objects that weigh more than the same volume of water sink; objects that weigh less than the same volume of water float.			
Cncpt 7 – Saltwater weighs more than an equal amount of fresh water.	WET	Adventures in Density	25
Cncpt 8 – The buoyancy of an object varies with the density of the liquid.			

Grade 5 Ecosystems			
Cncpt 1 – An ecosystem is a community of organisms and its interaction with its environment.	WET	Life In the Fast Lane	79
Cncpt 2 – Organisms can be categorized by the functions they serve in an ecosystem: producers, consumers, or decomposers.			
Cncpt 3 – Organisms in an ecosystem have dependent and interdependent relationships, which can be illustrated by food webs.	WET	Macroinvertebrate Mayhem	322
Cncpt 4 – Factors that affect growth and reproduction of organisms in an ecosystem include light, water, temperature, and soil.	Wild	-Fashion a Fish focus: importance of adaptations due to change in habitat	56
Cncpt 5 – Natural and human-made events can "disturb" an ecosystem.			
Cncpt 6 – A pollutant is anything that can harm living organisms when too much of it is released into an ecosystem. Pollution is the condition that results when pollutants interact with the environment.	WET	Poison Pump Macro Mayhem	93
Cncpt 7 – Pollutants can affect the stability of an ecosystem: solutions can help minimize or alleviate effects of pollutants.			
Cncpt 8 – Model ecosystems can be used to learn more about the complex relationships that exist on earth.			
Notes:	CW Wild WET	-Case studies -Turtle Hurdles -Dragon Fly Pond -Where are the Frogs (acid rain- ph explanation)	 158 184 279