



Franklin Soil and Water Environmental Education Programs Correlated to Ohio's New Learning Standards for Science

Grade level	 <b>Programs:</b>	Content Statements	The Empty Lot	Crawdad Creek	Francis the Fish	What's in Our Water	The Lorax	Murky Water Caper	Under Rock Discovering Soil is Alive	Journey through the Soil	Exploring Soil	Sliding Soil	Power of Plants	Design a Rain Garden	Map Your Watershed	SQM Field Trip
PreK-4 SIA		Observe and ask questions about the natural environment	*	*					*	*	*		*			*
PreK-4 SIA		Plan and conduct simple investigations			*	*			*		*	*				*
PreK-4 SIA		Communicate about observations, investigations and explanations	*	*	*	*	*	*	*	*	*	*	*			*
PreK-ESS		<b>Explorations of the Natural World:</b> With modeling and support recognize familiar elements of the natural environment and understand that these may change over time	*	*	*	*	*		*				*			
PreK-ESS		Develop understanding of the relationship between humans and nature, recognizing the differences between helpful and harmful actions toward the natural environment.	*	*	*	*	*						*			
PreK-LS		<b>Explorations of Living Things:</b> Identify physical characteristics and simple behaviors of living things.	*	*	*				*							
PreK-LS		With modeling and support identify and explore the relationship between living things and their environments	*	*	*	*	*		*				*			
PreK-LS		With modeling and support demonstrate an understanding that living things change over time (life cycles)		*					*							
K - LS		Living things have physical traits and behaviors which influence their survival	*	*	*		*		*				*			
1 - LS		Living things have basic needs which are met by obtaining materials from their physical environment	*	*	*		*		*				*			
1 - LS		Living things survive only in environments that meet their needs	*	*	*	*	*		*				*			
2 - LS		Living things cause changes on Earth	*		*	*	*		*			*	*			
3 - ESS		Some of Earth's resources are limited			*	*	*			*		*				
3 - ESS		Earth's non-living resources have specific properties - soil								*	*	*				
3 - LS		Plants and animals have life cycles that are part of their adaptations for survival in their natural environments		*					*				*			*
4 - ESS		Earth's surface has specific characteristics and landforms that can be identified				*				*						
4 - ESS		The Earth's surface changes due to erosion and deposition				*				*		*				
4 - LS		Changes in an organisms environment are sometimes beneficial to its survival and sometimes harmful	*		*	*	*	*		*		*	*			*
4 - LS		Fossils can be compared to present day organisms		*						*						

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Grade level	 <b>Franklin Soil and Water Conservation District</b> <i>Programs:</i> <small>Creating Conservation Solutions for Over 60 Years</small>	The Empty Lot	Crawdad Creek	Francis the Fish	What's in Our Water	The Lorax	Murky Water Caper	Under Rock Discovering Soil is Alive	Journey through the Soil	Exploring Soil	Sliding Soil	Power of Plants	Design a Rain Garden	Map Your Watershed	SQM Field Trip
		Content Statements													
5-8 SIA	Design and conduct a scientific investigation							*		*	*				*
5-8 SIA	Analyze and interpret data						*	*	*	*	*	*			*
5-8 SIA	Develop descriptions, models, explanations and predictions				*			*	*	*	*	*			
5-8 SIA	Think critically and logically to connect evidence and explanations				*	*	*	*		*		*			*
6 - ESS	Soil is unconsolidated material that contains nutrient matter and weathered rock									*	*				
6 - ESS	Rocks, minerals and soil have common and practical uses									*	*				
7-ESS	The hydrologic cycle illustrates the states of water as it moves through the lithosphere, biosphere, atmosphere				*						*				
7 - LS	In any biome the number, growth and survival of organisms and populations depend on biotic and abiotic factors				*	*	*	*							*
8 - ESS	A combination of constructive and destructive geologic processes formed Earth's surface										*				
9-12 SIA	Recognize and analyze explanations and models													*	*
9-12 SIA	Formulate and revise explanations and models using logic and evidence (critical thinking)													*	*
9-12 SIA	Use technology and mathematics to improve investigations and communications;													*	*
9-12 SIA	Communicate and support a scientific argument.													*	
9-12 ER Physical Geology	Relating Earth's resources (energy, air, water, soil) to global scale and using technology to collect global resource data for comparative classroom study.													*	
9-12 - ER	Water and water pollution - point source and non-point source contamination				*	*	*				*		*	*	*
9-12 - ER	Soil and land - sediment contamination				*						*		*	*	*
9-12 ICT	Develop strategies for using digital learning tools and resources to plan, implement and reflect upon a complex task													*	
9-12 ICT	Based on project-specific requirements, develop criteria to select digital learning tools and resources to support the concurrent management of multiple projects.													*	
9-12 ICT	Analyze and evaluate the ease of use and effectiveness of available features of selected digital learning tools/resources.													*	
Note:	<i>Though we do not have specific programs for rocks and minerals, we do have loan kits with samples and resources.</i>														