

MEECS to Michigan K-12 Science Standards November 2015

Ecosystems and Biodiversity: Biodiversity Lessons (grades 4-6)

	6. Michigan's Web of Life	7. Biodiversity Study	8. Threats and Protections for Michigan Biodiversity	9. Most Unwanted: Invaders of the Great Lakes Region	10. Michigan's Threatened Species
Grade 4					
4-ESS3-2. Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.	X		X	X	X
4-ESS2-2. Analyze and interpret data from maps to describe patterns of Earth's features.		X			
Grade 5					
5-LS2-1. Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.	X				
Middle School					
MS-LS2-1. Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.			X		
MS-ESS3-4. Construct an argument supported by evidence for how increases in human population and per-capital consumption of natural resources impact Earth's systems.	X	X	X	X	X
MS-ESS3-3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.	X		X	X	X
MS-ESS2-2. Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.	X				
MS-LS4-1. Analyze and interpret data for patterns in the fossil record that document the existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws operate today as in the past.		X			X

MS-LS2-4. Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.		X	X		
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