GCV&M Curriculum Connections (Grades 6-12)

Nature Rocks!

Exploring Natural History in the Genesee Valley

Using structure and fun, students will learn about factors that influence changes in the environment over time, conduct experiments to determine previous environmental changes, and model how other environmental conditions can influence changes. By field trip end, students will understand and experience different earth systems that have created change or can make change over time.

FIELD TRIP OBJECTIVES

- The student will be able to identify factors that impact population.
- The student will demonstrate different types of erosion and how they shape Earth's topography
- The student will use soil layers to explain changes that have occurred in the land use
- The student will model competition for natural resources as it pertains to natural selection and evolution
- The student will conduct experiments using the scientific method.

KEY WORDS

Natural Selection	Erosion
Habitat Loss	Competition
Ecosystems	Climate
Glacier Formations	Watershed
Biodiversity	Geoscience
Fossil Record	Population
Adaptations	Interdependent
Sustainability	Relationships

Connections to NYS Standards

Middle School

MS. Matter and Energy in Organisms and Ecosystems: MS-LS2-1 and MS-LS2-3

MS. Interdependent Relationships in Ecosystems: MS-LS2-2 and MS-LS2-5

MS. Natural Selection and Adaptations: MS-LS4-1 and MS-LS4-6

MS. History of the Earth: MS-ESS2-2

MS. Earth's Systems: MS-ESS2-1 and MS-ESS3-1

MS. Human Impacts: MS-ESS3-3 and MS-ESS3-4

High School

HS. Matter and Energy in Organisms and Ecosystems: HS-LS2-3 and HS-LS2-4

HS. Interdependent Relationships in Ecosystems: HS-LS2-1, HS-LS2-2, and HS-LS2-7

HS. Natural Selection and Evolution: HS-LS4-3, HS-LS4-4, and HS-LS4-5

HS. History of the Earth: HS-ESS1-5 and HS-ESS1-6

HS. Earth's Systems: HS-ESS2-5 and HS-ESS2-7

HS. Human Sustainability: HS-ESS3-1 and HS-ESS3-3

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GENESEE COUNTRY VILLAGE & MUSEUM

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