

Science Trail: *making the Experience Authentic*



GRANT RECIPIENTS

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NYS STANDARD

MST Standard 2.1q, 2.1u, 3.1c

GRADE LEVEL

9th grade (however, planning to include others in the future)

STUDENTS SERVED

550 students

PROGRAM DESCRIPTION

The purpose of this grant was to develop a science trail where students would perform scientific techniques, skills, and hands-on tasks in a natural outdoor environment.

Lumber, concrete, PVC pipes, tape measures, and labels.

STUDENT OUTCOMES

Students have not used the science trail yet due to time needed for planning/construction and inclement weather. We anticipate using the science trail at the end of this school year. We plan to implement the following lessons: 1) Students will make observations about the topography of the land. Next, they will make surveying measurements to calculate various gradients; 2) Students will observe and determine the names of various rock types, analyze the textures and mineral content of each rock, and make inferences about their origins; 3) Students will observe the erosional and depositional characteristics of a meandering stream.