

ABSTRACT

Research shows exposure to nature improves children's health and capacity for learning, including early exposure to STEAM concepts. This project addresses erosion problems at a local farm, while creating novel learning opportunities for at-risk children ages 3-6. We conducted interviews with education and landscape professionals, performed land measurements, and designed and built a 100ft long dry creek bed and extensive mud kitchen. We created STEAM learning activities through child exploration in the creek and through play in the mud kitchen.

A Local IQP

15-minute drive from WPI's campus

Staying local is more sustainable and just as, if not more, fulfilling than an off-campus IQP

SDG 11: Sustainable Cities and

Communities

Paxton, MA



Project Scope

Erosion & Mitigation &

Play-based Learning

Dry Creek Bed

Discovery Tiles and Mud Kitchen

Erosion Control - Building a Dry Creek Bed

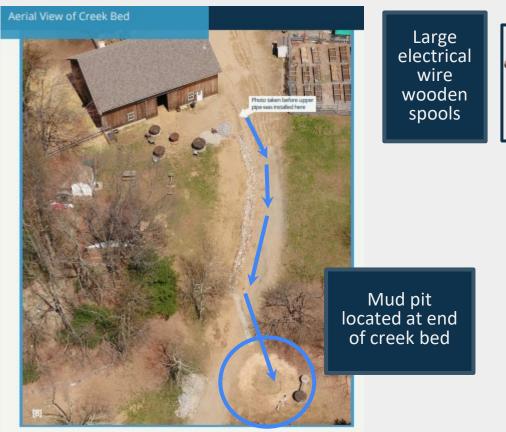


Play-based Learning - Discovery Creek Tiles





Play-based Learning - Mud Kitchen









CREEK PROJECT

Presentation by Shannon Henderson