



Our Learning Journey in Cuyahoga Valley National Park



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Cuyahoga Valley National Park received the 2021-2022 National Park Service- 21st Century Community Learning Center Greening STEM Grant from the National Environmental Education Foundation for a project involving STEM-based, hands-on learning.

Middle school students from the Greater Cleveland Neighborhood Centers Association came to the park and helped to plant 70 Bur Oak trees in a plot on Stanford Road to test the efficacy of vole repellent methods. Students added small applications of coffee grounds, minced garlic, and castor oil pellets to the soil of freshly planted trees and tested different methods of tree caging. Students returned throughout the seasons to monitor these trees for vole impact and tree mortality, and analyzed their results during weekly virtual calls. The results from this survey will be valuable to the park in continued efforts to reduce the impact of voles.

These students were talented photographers and documented their experiences through the photos displayed in this book.









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