

Service-Learning in Math

Course: **Geometry**

School: **Bay View High School**

Community Partner:
Parkside School for the Arts and Humanities

Project Name: **Quilting History with Math**



Project Snapshot

As part of the school's STEAM focus on the Bay View Massacre, honors geometry students researched the quilt patterns and games played in 1886, the year of the massacre. Using their knowledge of geometric properties and concepts, they designed seventeen mural panels inspired by those quilt patterns and games.

Once the designs were complete, they invited first grade students from a nearby elementary school to join them in painting the panels and talking about the shapes and patterns.

Half of the completed panels will be installed at the high school. The other half will be displayed on and in hoop houses at the elementary school.

Community Need/Issue Addressed

Safe, Inclusive, Resilient Communities and Quality Education*

This experience allowed first graders to learn math concepts from older students while collaborating with them on a project that will beautify two school environments and strengthen relationships between them.

**from United Nations Global Goals for Sustainable Development <https://www.globalgoals.org>*