

SMALLab Learning

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at O'Hara Elementary School

New S.T.E.A.M. Curriculum

Along with National Geographic, SMALLab Learning is part of Fox Chapel Area School District's new Elementary S.T.E.A.M. Curriculum for the 2017-2018 school year. This curriculum involves four strands of science: life, physical, earth, and engineering.

Embodied Learning

SMALLab learning emphasizes embodied learning. Students are learning and reviewing science concepts while collaborating with their peers during hands-on activities.



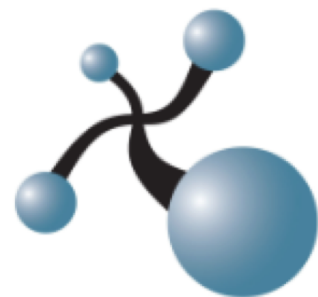
Third grade students participate in the SMALLab Spinner scenario at the beginning of the year to get to know their classmates.



Fifth grade students work in the 3D Pathmaker scenario to reinforce concepts about force and motion.

The SMALLab is designed for students to be moving around and collaborating with others. In the SMALLab, a projector is mounted to the ceiling and shows an image of the presented scenario on the floor. Students then use wands that have sensors connected to twelve motion cameras mounted around the room on the ceiling to control the activity.

All elementary students have the opportunity to work in the SMALLab during science class throughout the year. Depending on the grade level and activity, the students will work together on scenarios that involve specific science concepts and different strategies.



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