

21st Century Instructional Initiative Grant Recipients 2016-2017

MakerSpaces in the Library Media Center

**Timonium
Elementary School**

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STEM Focus

The concept of MakerSpaces is about supporting students in the acquisition of 21st century skills. Makerspaces are designed to teach creativity, collaboration, problem solving and perseverance. It's about moving students from being solely consumers toward being creators. It's about "turning knowledge into action." It should enable students to experiment, feel free to fail, and have the opportunity to progress. All of these attributes support Science, Technology, Engineering and Mathematics goals.

- 1st Graders used Bernie Zubrowski's book "Bubbles"
- 2nd Graders researched and taught peers about simple machines
- 3rd Graders learned to create a circuit using MakeyMakeys
- 4th Graders constructed a Quiz Board to teach about authors they chose
- 5th Graders learned about robots and programming with Ozobots

