

21st Century Instructional Initiative Grant Recipients 2016-2017

Solar-Powered Kinetic Sculptures

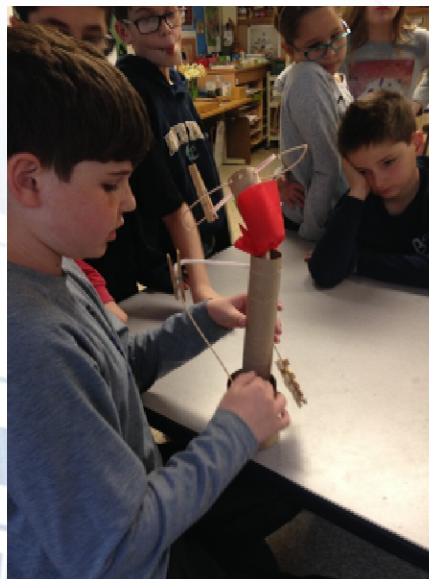
**Fort Garrison
Elementary School**

**Karen Harris, Principal
Grace Hulse, Grant Liaison/Team**

Environmental Literacy & STEM Focus

Students learned to plan, revise, and persevere in order to realize their visions for a sculpture. In their self-reflections comments included: "some things don't always stay the way you wanted, but you should not give up and try another way", "Many things that you plan to happen don't always happen", "I learned that a sculpture has to have a good, strong base and that you have to be creative if you want to do good art", "I learned that if you put your mind to it you can do anything."

Students experimented with sculpture techniques using found objects, solar cells, and small motors to create a structure that was aesthetically pleasing, self-standing, and used solar energy to create movement. This project combined instructional focused 21st century themes of Art and Culture, and STEM with Environmental Literacy.



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