Project Lead the Way

Elementary STEM at FCS

Program Overview

Elementary (K-5): PLTW Launch

- Four modules (or units) per grade level
- Currently teaching three modules

Middle School (6-8): PLTW Gateway

- Taught as STEM elective classes
- Ten high-interest courses (Medical Detectives, Automation & Robotics, App Creators, etc.)

High School (9-12): PLTW Biomedical, Engineering, & Computer Science

PLTW Launch

3rd Grade

Stability & Motion: Science of Flight

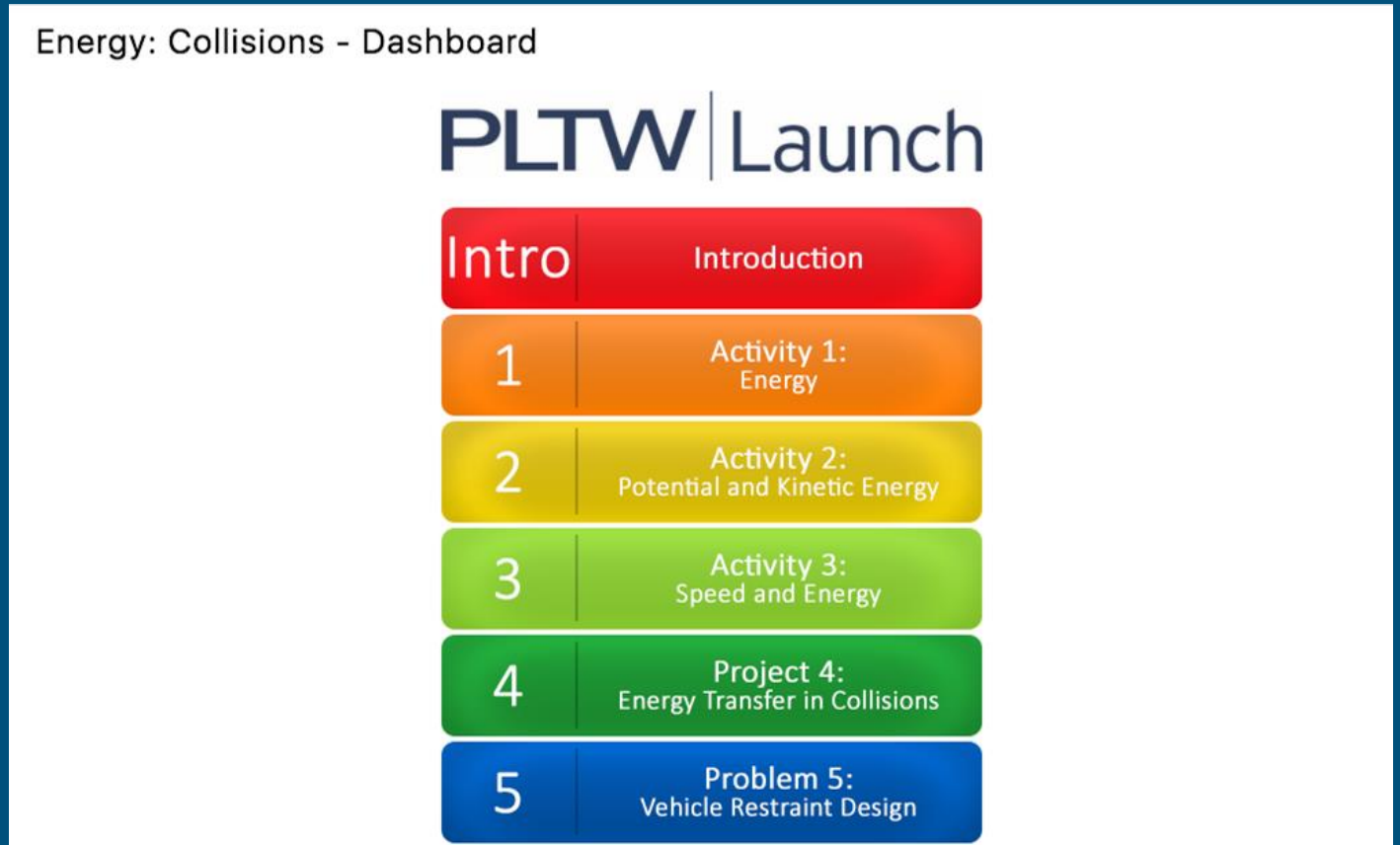
4th Grade

Energy: Collisions

5th Grade

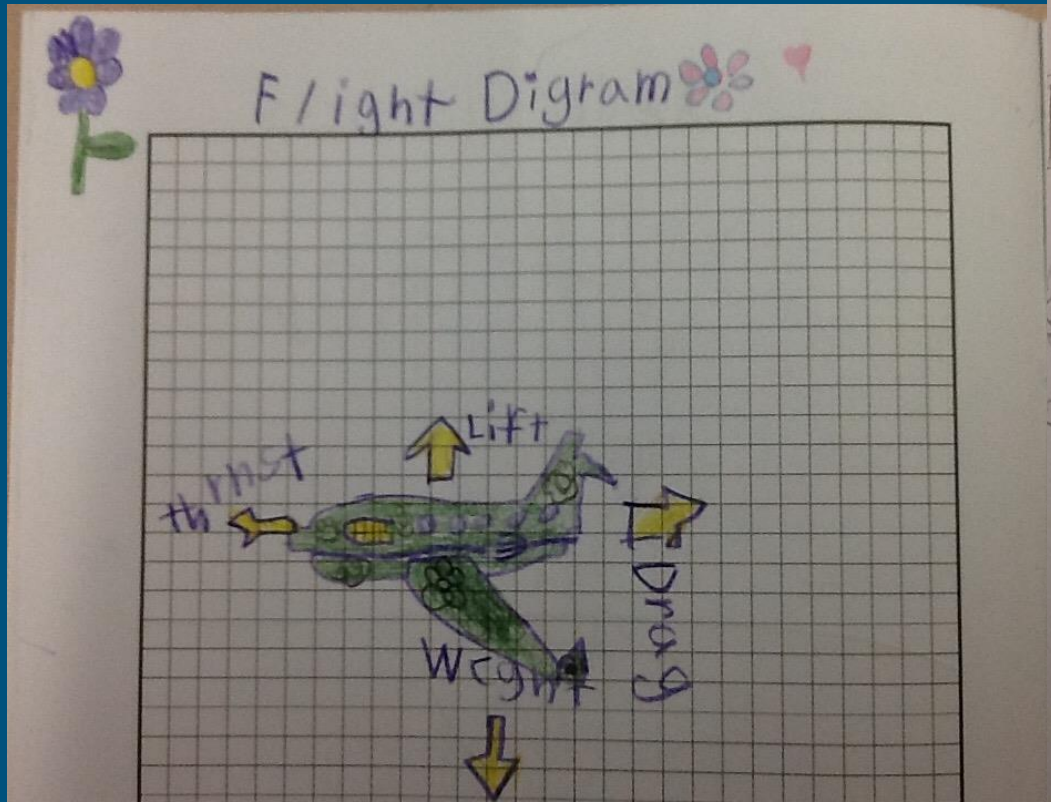
Robotics & Automation

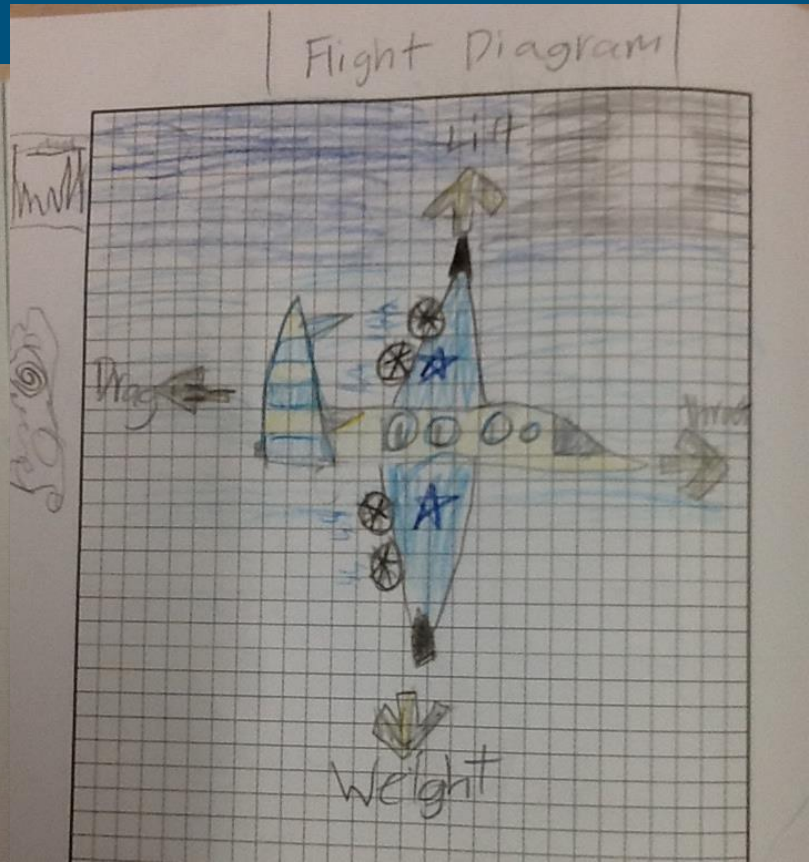
Canvas & APB


Energy: Collisions - Dashboard
PLTW | Launch
Intro
Introduction
1
Activity 1:
Energy
2
Activity 2:
Potential and Kinetic Energy
3
Activity 3:
Speed and Energy
4
Project 4:
Energy Transfer in Collisions
5
Problem 5:
Vehicle Restraint Design

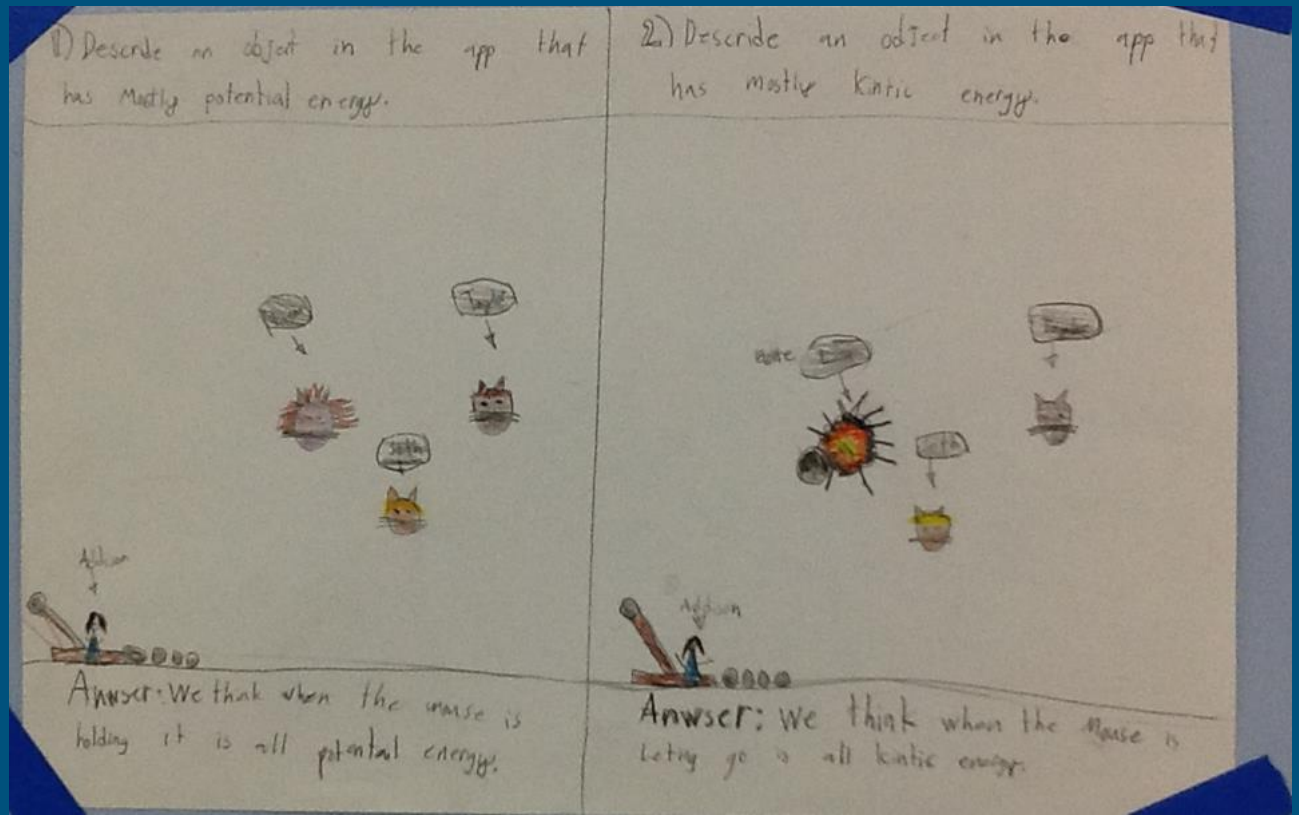
3rd Grade - Science of Flight

3rd Grade - Science of Flight

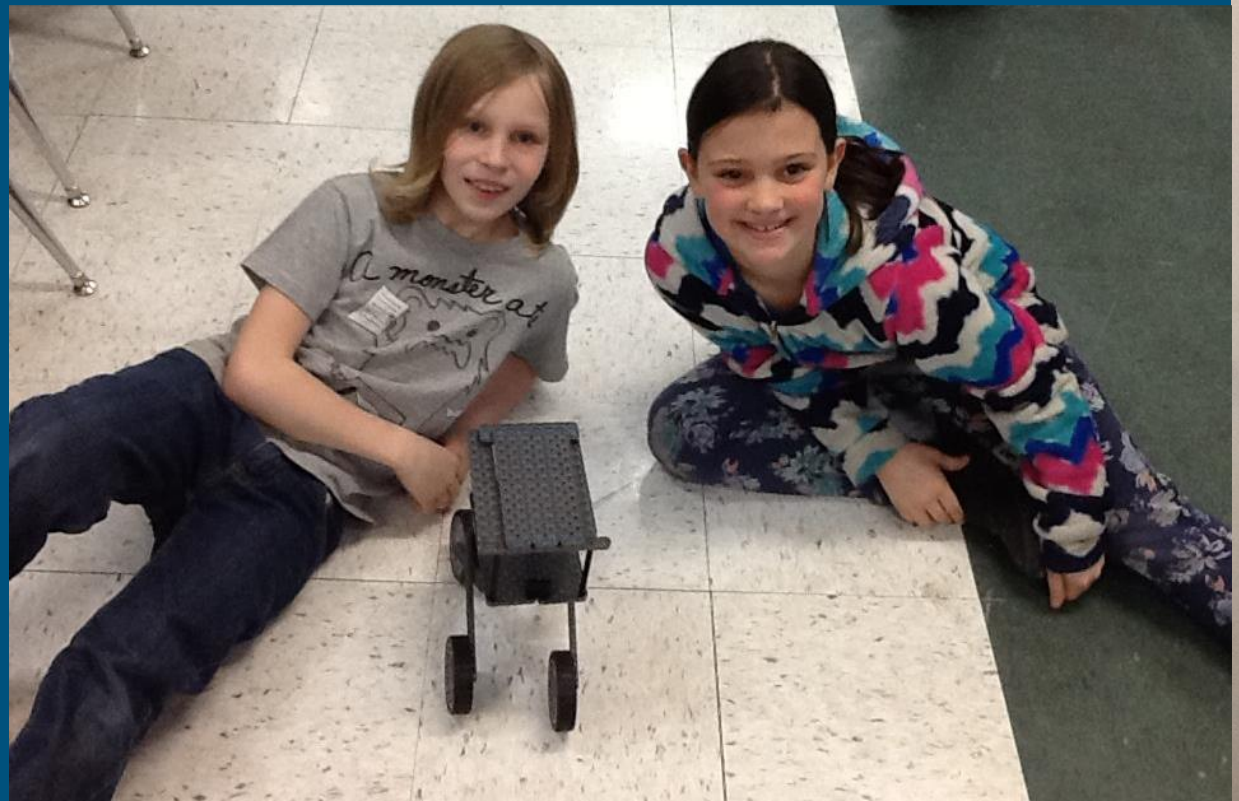


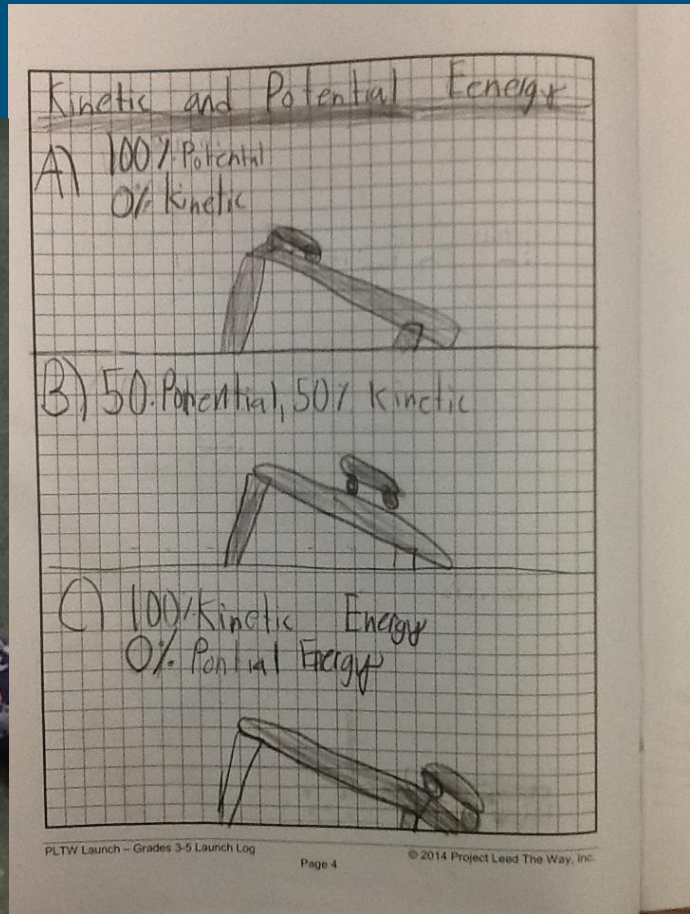


4th Grade - Energy: Collisions

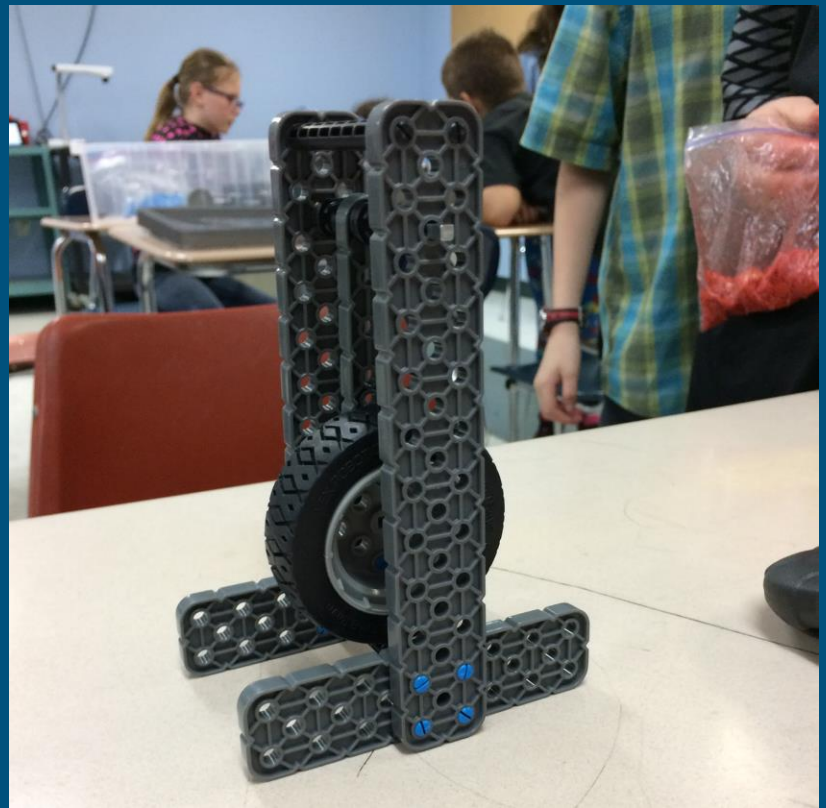


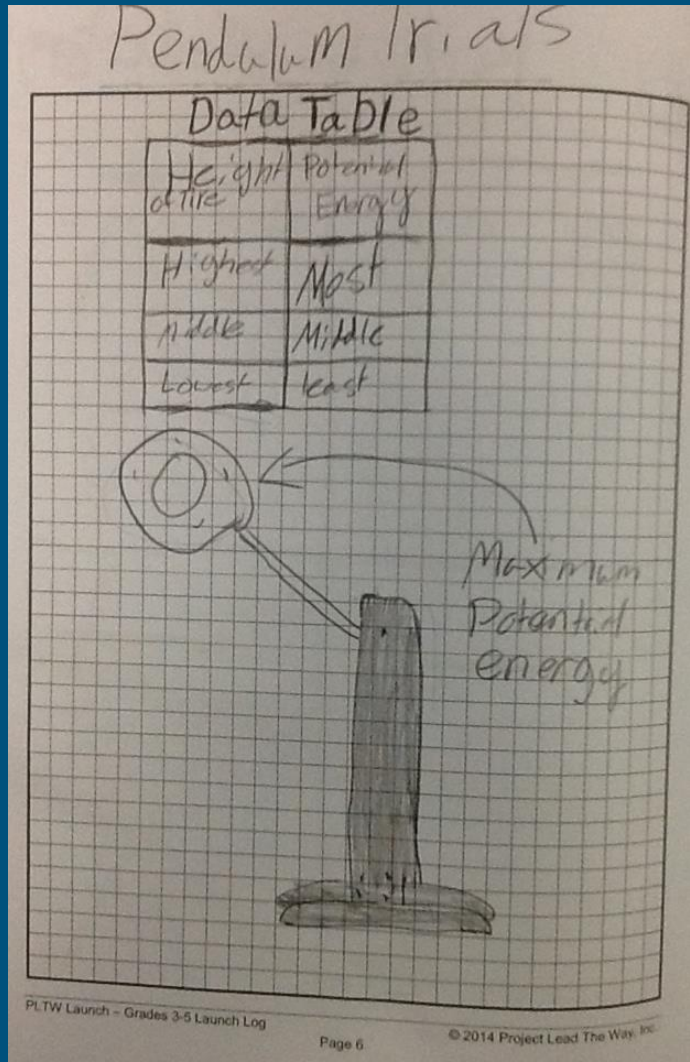
4th Grade - Energy: Collisions



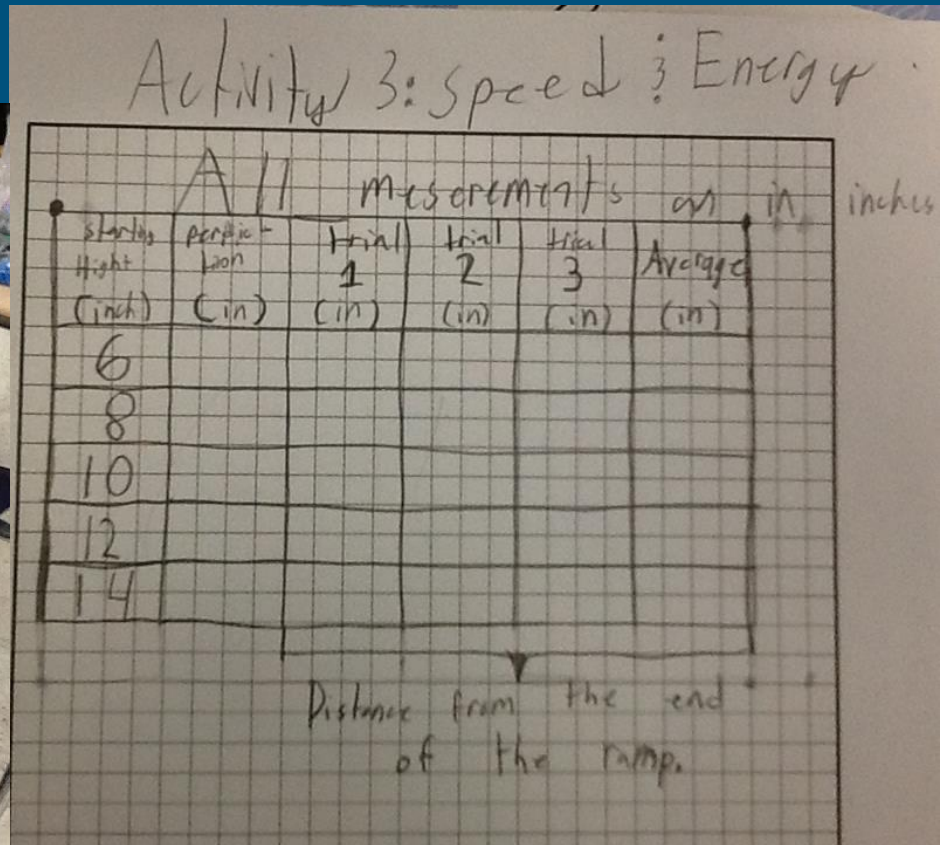


4th Grade - Energy: Collisions



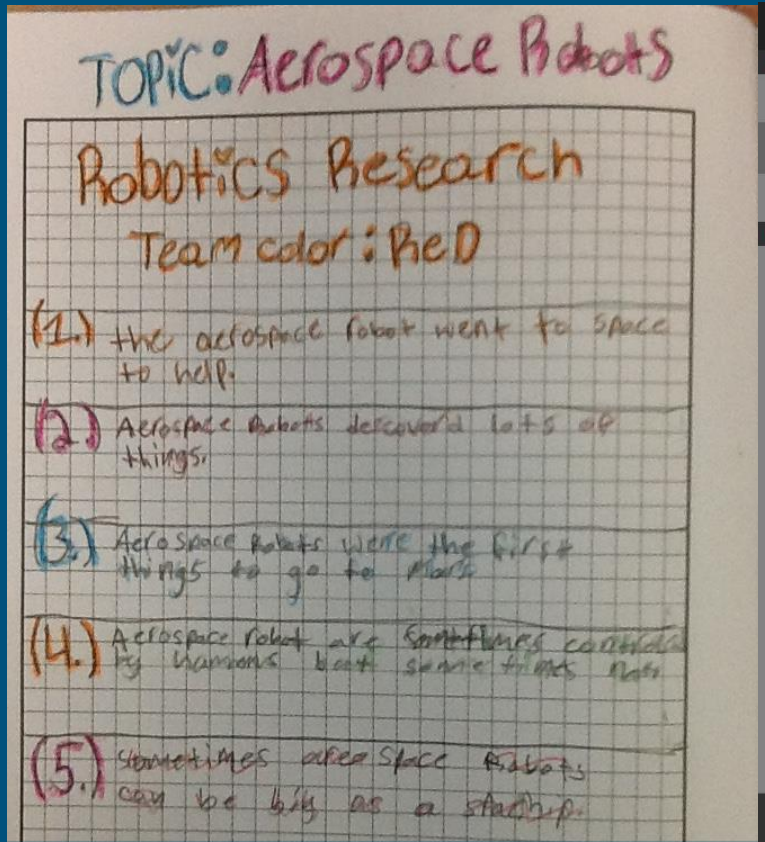


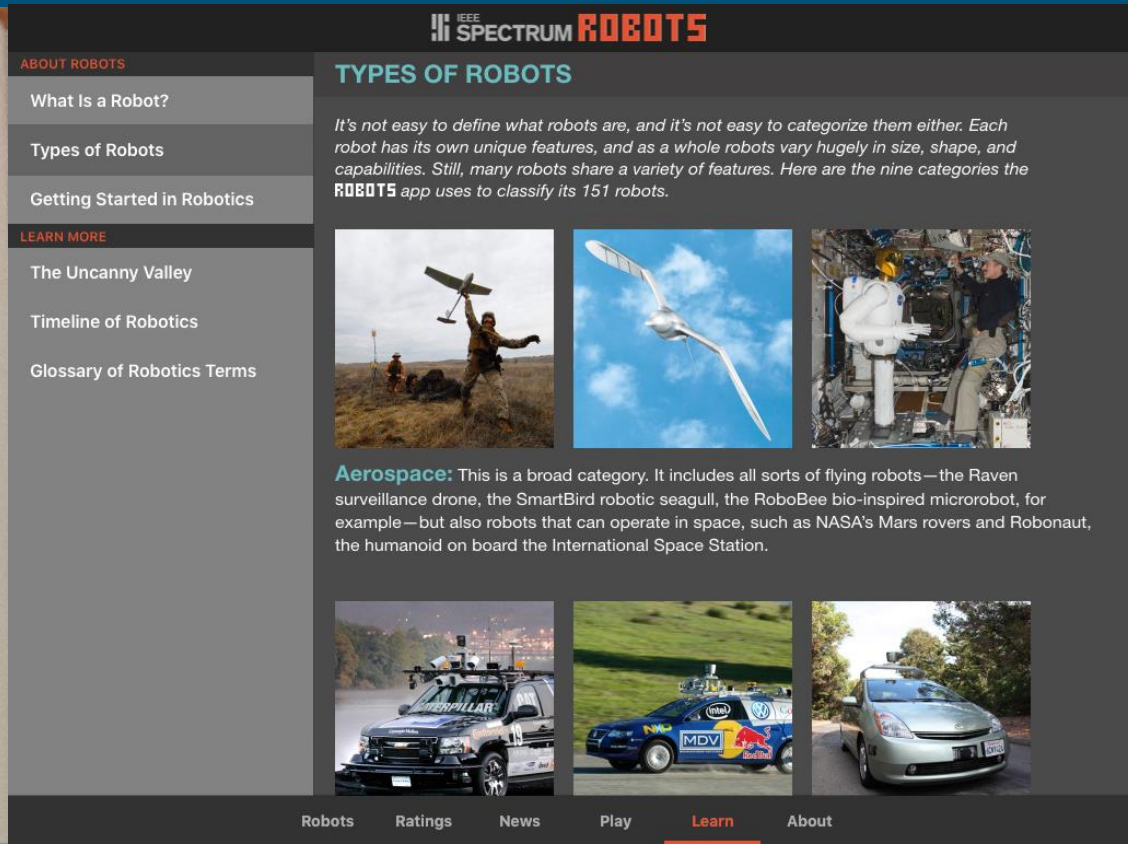
4th Grade - Energy: Collisions



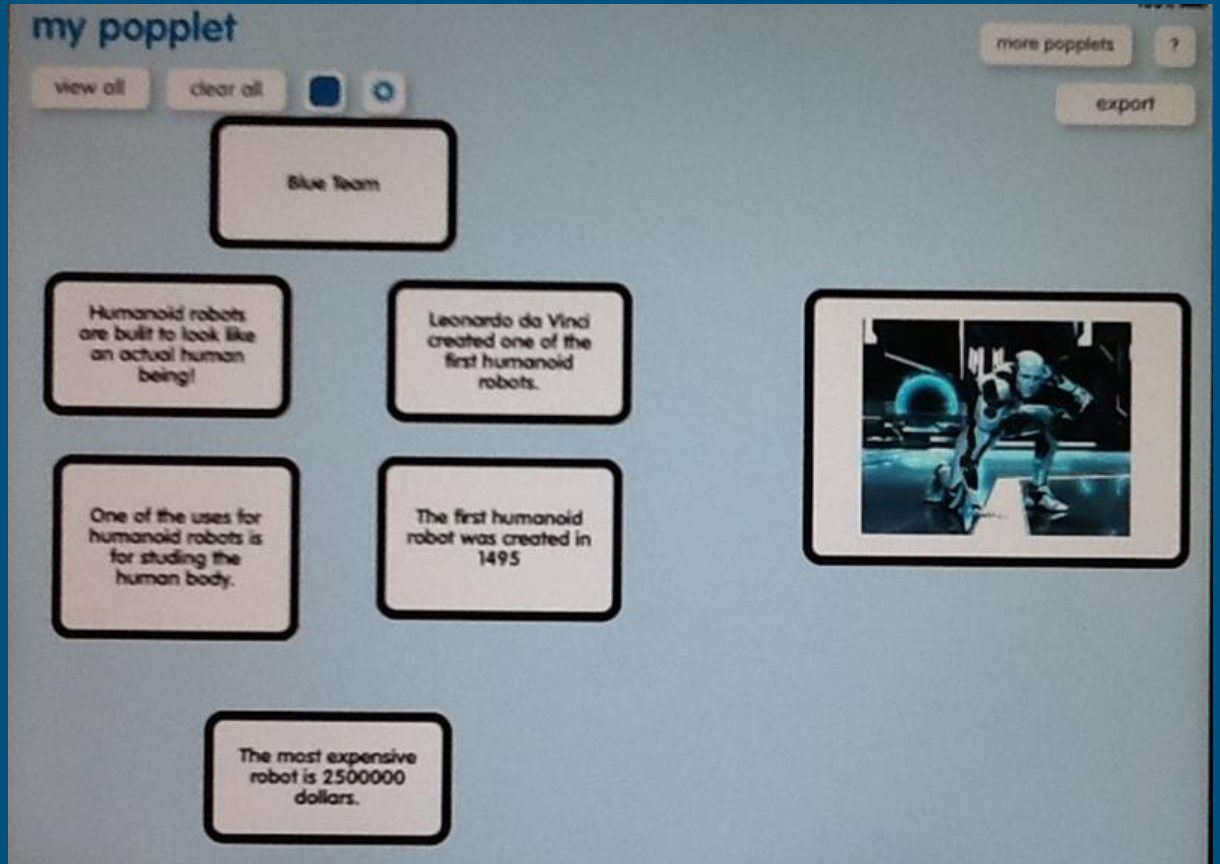
4th Grade - Energy: Collisions

5th Grade - Robotics & Automation

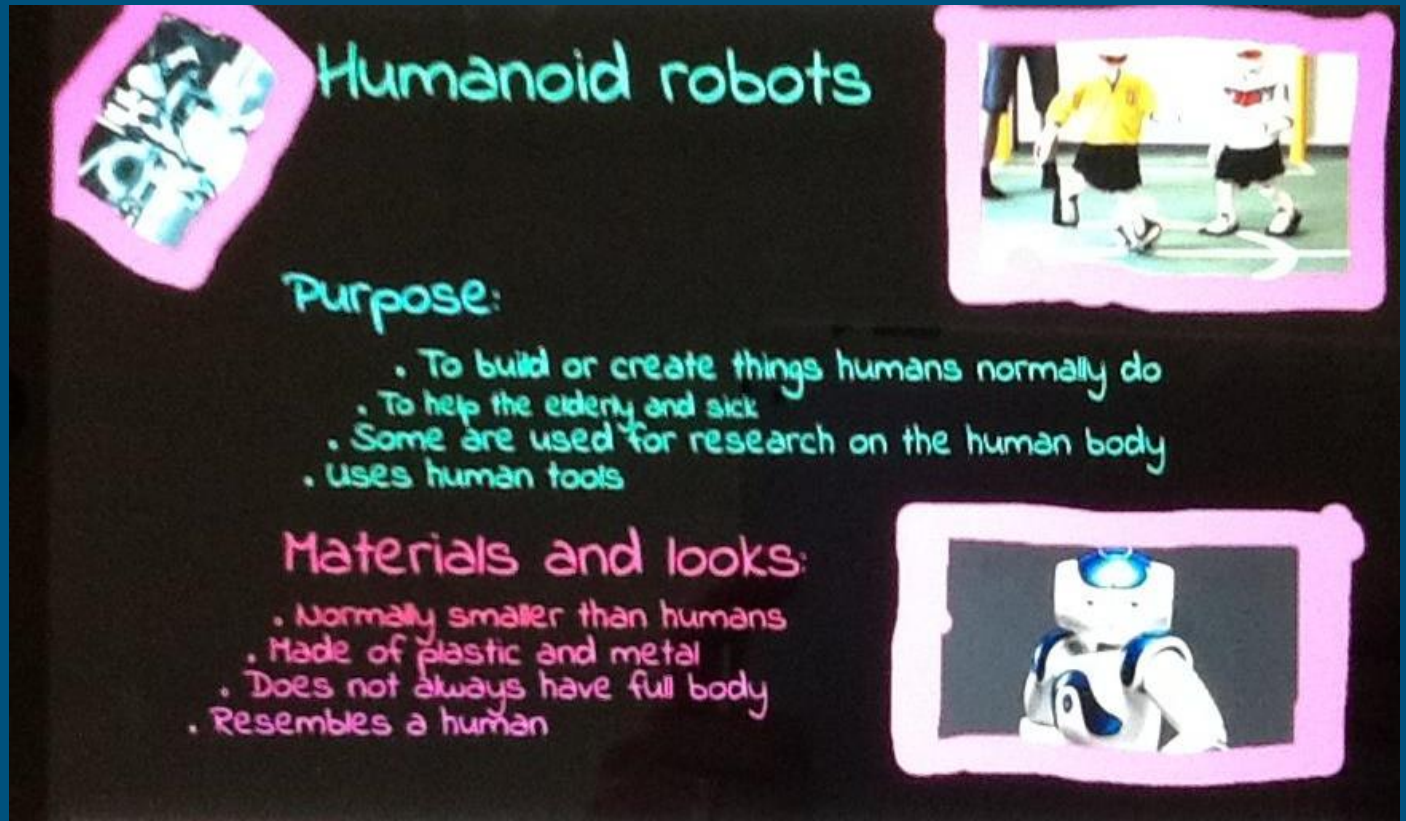




5th Grade - Robotics & Automation



5th Grade - Robotics & Automation



5th Grade - Robotics & Automation