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 Cohool (0.12): DLTW Diamodical Engineering & Computer Coionea

PLTW Launch

3rd Grade

Stability & Motion: Science of Flight

4th Grade

Energy: Collisions

5th Grade

Robotics & Automation

Canvas & APB

Energy: Collisions - Dashboard



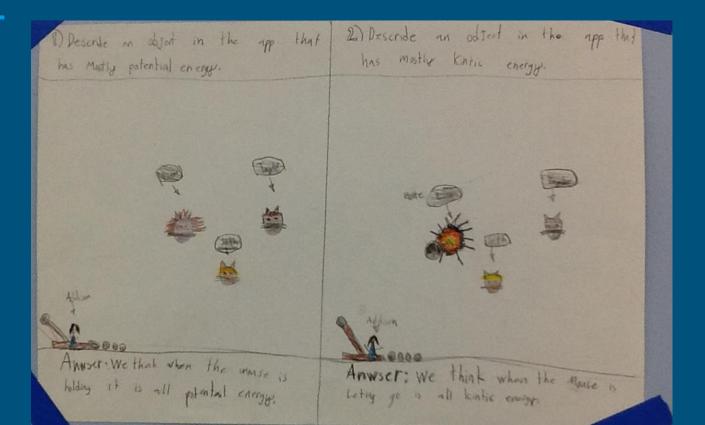
Problem 5: Vehicle Restraint Design

3rd Grade - Science of Flight

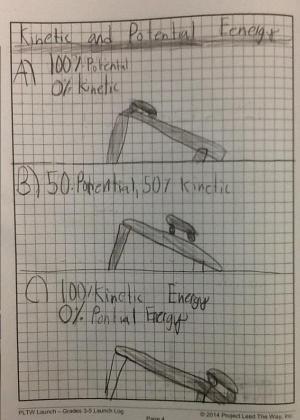


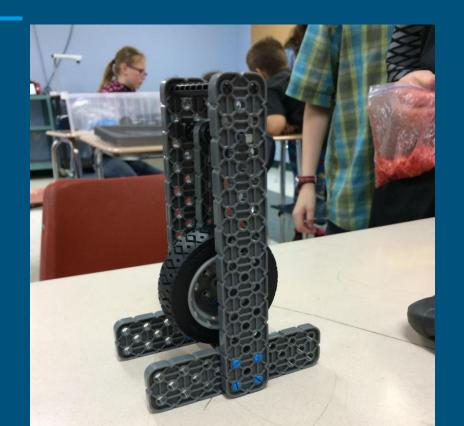
3rd Grade - Science of Flight

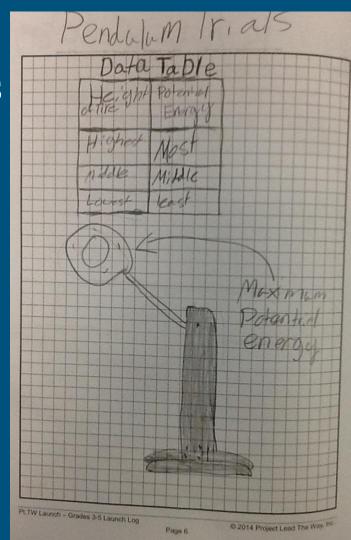


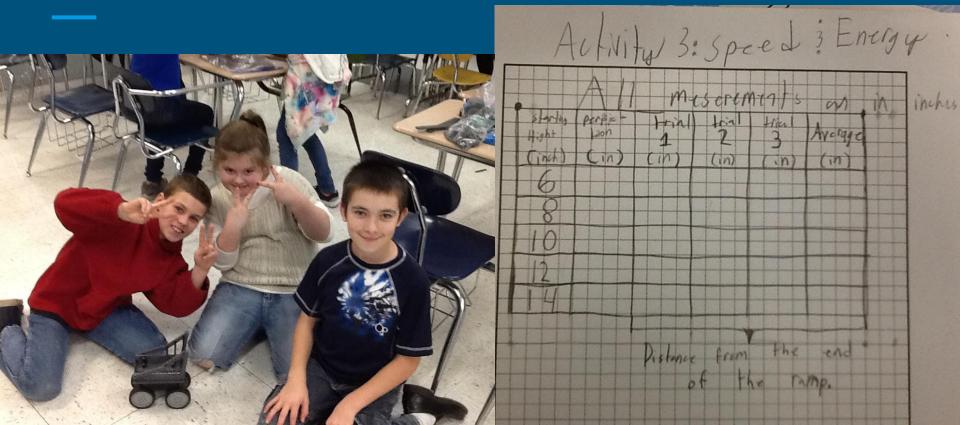




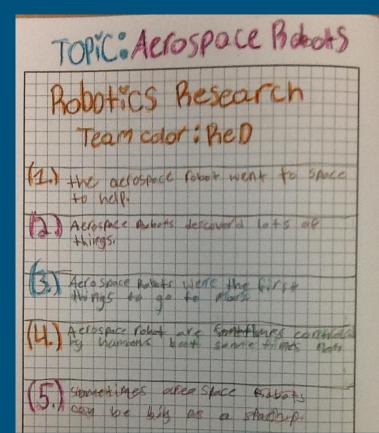












III SPECTRUM ROBOTS

ABOUT ROBOTS

What Is a Robot?

Types of Robots

Getting Started in Robotics

LEARN MOR

The Uncanny Valley

Timeline of Robotics

Glossary of Robotics Terms

TYPES OF ROBOTS

It's not easy to define what robots are, and it's not easy to categorize them either. Each robot has its own unique features, and as a whole robots vary hugely in size, shape, and capabilities. Still, many robots share a variety of features. Here are the nine categories the RBBDTS app uses to classify its 151 robots.







Aerospace: This is a broad category. It includes all sorts of flying robots—the Raven surveillance drone, the SmartBird robotic seagull, the RoboBee bio-inspired microrobot, for example—but also robots that can operate in space, such as NASA's Mars rovers and Robonaut, the humanoid on board the International Space Station.







Robots

Rating

New

Lea

About

