

Engineering Design Toolkit Instructional Guide - Rocket Launcher Activity



Figure 1: Rocket

Problem Description

NASA needs to launch a rocket to reach the moon to discover if life exists there. But before NASA launches their rocket to the moon they need to test the rocket on earth. Help NASA build and test a rocket launcher that travels a 10ft distance and knocks down a wall of plastic cups.



Figure 2: Materials Needed for the Rocket Launcher Activity

Engineering Design Process

Use the engineering design process below to help your team design and build a prototype of the rocket launcher for NASA:

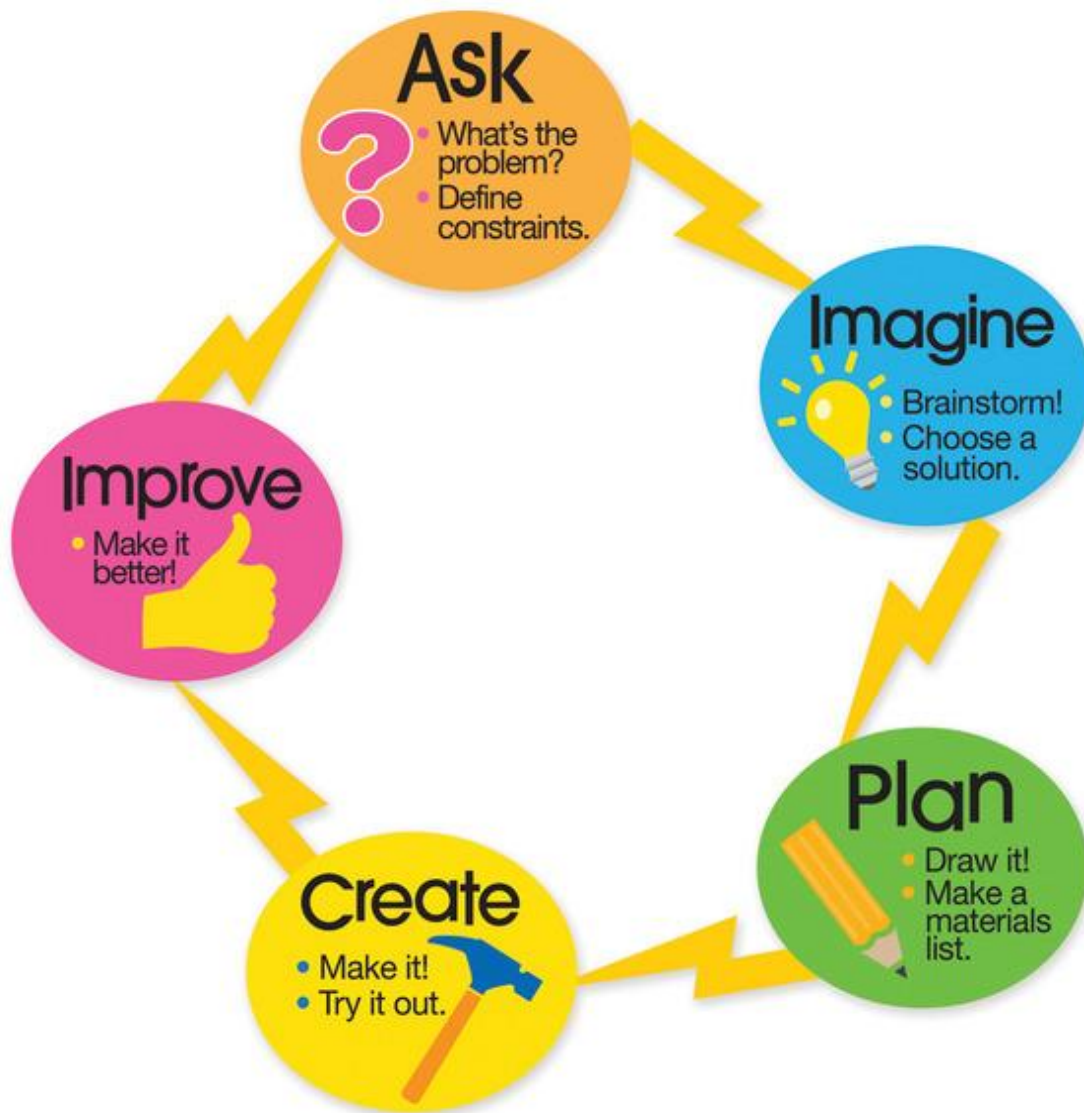


Figure 3: STEM Engineering Design Process

Source: <http://shop.dowlingmagnets.com/p/engineering-design-process-magnets>