



PLTW Virtual Learning

7th and 8th Grade Design and Modeling

May 18, 2020



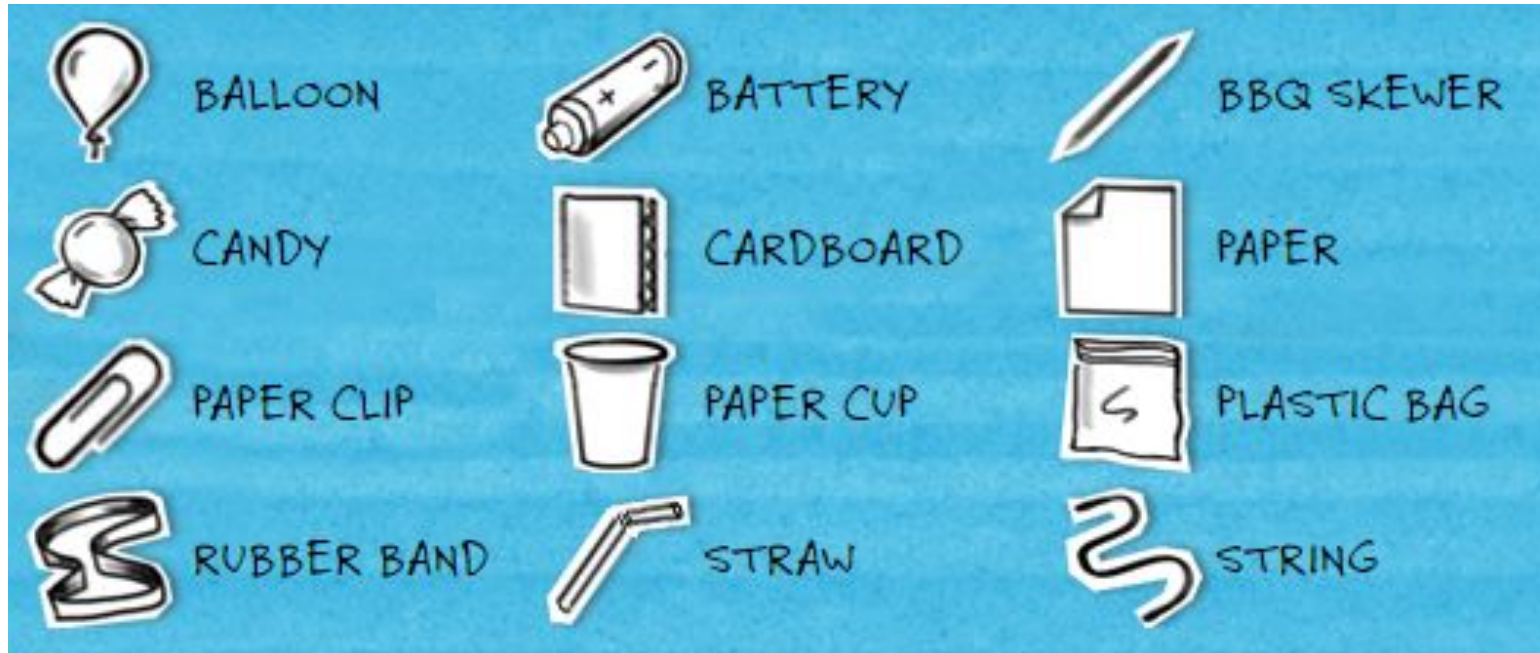
Lesson 30: Choose your own design process Day 1

Objective/Learning Target:

Students will use the steps in the engineering design process to design, model and test a solution to a problem.

Warm-Up:

Walk around your house and find as many of the materials listed as you can...



Lesson Introduction/Background Information:

This week you will be choosing your own design process to accomplish. You will research, brainstorm, build, test, draw, and 3D model your design.



Practice:

Time to pick your own adventure! Visit the website and select 1-3 items that you found in your warm-up. The Design Squad will then give you a list of options. Explore your options until you find the one you like.

[Design Squad Design Spinner](#)

Self-Assessment:

Do you have all the materials needed to build?

If you are missing anything, can you find a substitute for this material?

Extend Your Learning/Continued Practice:

Do some research on your project to get some ideas? Write down what you find so that you can use it tomorrow as you design.