

Parachute Design Challenge

Big Ideas: The effects of gravity – air resistance - drag

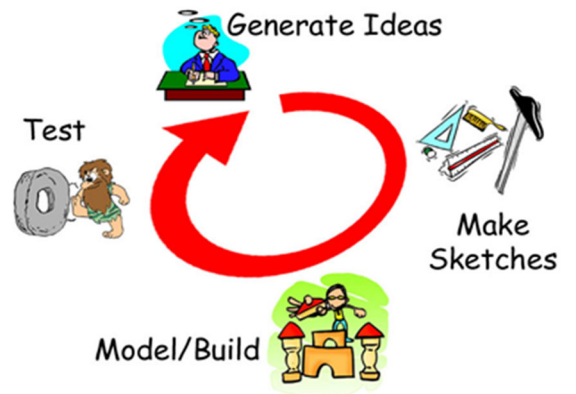
Materials: Paper plates, paper bags, plastic grocery bag, coffee filter, small cup, string, small whiffle ball

Tools: scissors, hole punch

Challenge: Design a parachute that can safely drop a whiffle ball to the ground.

What forces effect your parachute as is falls to the ground?

What materials worked best for your parachute design?



3D Printing Challenge

Big Idea: Using 2D shapes to make something come to life (3D)

Materials: 3D printer PLA filament, wax paper **Tools:** 3D printer pen

Challenge: Think of a character from your favorite book and recreate that character using the shapes in front of you by combining several different shapes.

