



At Home Engineering Puff Catapults

Create a launcher for a small puff ball. You have two goals to choose from. You can try to launch your puff as far as possible (distance) OR you can choose to hit the same spot on the floor with your puff multiple times (precision). Be sure to work through each step of the ENGINEERING DESIGN PROCESS. You can find these below. Good luck!

ASK

What information do you need in order to solve the problem? What questions do you need answered so that you can be successful?

IMAGINE

What ideas do you have for creating a puff launcher? What is your best idea?

PLAN

Sketch out and label your plan on paper.

CREATE & TEST

Create and test your design. How far did your puff fly? Were the landing sites of your puff precise?

IMPROVE & RETEST

Take a moment to pause. What is going right? What is going wrong? What can you do better?