



At Home Engineering Straw Rockets

Build a rocket that can be launched by blowing into a single straw. The straw cannot be part of the rocket itself – it is only used to propel the rocket. 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 straw rocket? What is your best idea?

PLAN

Sketch out and label your plan on paper.

CREATE and TEST

Create and test your design. How far did your rocket fly?

IMPROVE and TEST

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