



At Home Engineering

Neighborhood Playground Construction

Create a neighborhood playground with new and innovative recycled materials. Be ready to explain what recycled materials you would want to use for each aspect of your playground and why. You are building a prototype which means that the materials you are actually using can be a substitute for a recycled material that we might not have access to (but one you would choose to use if you were building a real playground). Be sure that you are considering fun, safety, and materials (cost and access).

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 your playground prototype? What is your best idea?

PLAN

Sketch out and label your plan on paper.

CREATE & TEST

Create and test your design. Find people to pitch your idea too and listen to their feedback.

IMPROVE & RETEST

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