

# 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).

## Materials

- Scrap/recyclable materials from around your home

## Tools

- Scissors
- Tape
- Ruler

## ASK

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

## IMAGINE

What ideas do you have for creating your playground prototype?

## PLAN

Sketch out and label your plan on paper.

## **CREATE & TEST**

Create and test your design. Find people to share your ideas with and listen to their feedback.

## **IMPROVE & RETEST**

Take a moment to pause. What is going right? What is going wrong?

**Scientists study the world as it is; Engineers create the world that has never been.  
- Theodore von Kármán**