

# PHONE STAND ACTIVITY

## Introduction

Do you like to watch videos on your phone? Maybe you like to watch YouTube, or even Netflix! Test your engineering skills with this fun DIY phone stand, and be able to watch your favorite show without having to hold your phone!

## Learning Objectives

1. Understand the design process as you build your phone stand.
2. Learn how to improve your design after testing it.

## Materials

You don't have to use all of these! Brainstorm what materials you have around to use! Some materials you could use include:

1. Popsicle Sticks
2. Rubber Bands
3. Hot Glue
4. Paper Clips
5. Cardboard
6. Tape

## Step-by-Step

1. Think about what you want your design to look like. Try drawing it out!
2. Based on your design, make a list of what materials you need.
3. Gather the materials.
4. Start building your design!

5. Once you've finished your design, try putting your phone on it! Take notes: is your stand able to hold the weight of your phone? Do you like the angle it holds your screen at? Does anything break when you put your phone on?
6. If your design needs to be changed, make the changes now! Maybe you need to make a whole new design — and that's ok! Keep adjusting your phone stand until you're happy with it!

## Conclusion Qs

1. How does your original design look different from your finished stand?
2. Think through the different steps you took to make your final design. Try listing them out: