

Build a Cardboard Arcade!

What you'll need

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|---|---|
| <input type="checkbox"/> Clean recyclables | <input type="checkbox"/> Glue |
| <input type="checkbox"/> Lots of cardboard | <input type="checkbox"/> Tape + Duct tape |
| <input type="checkbox"/> Hot glue gun (not essential, but nice) | <input type="checkbox"/> Scissors |

Introduction

In this activity, you and your child will work together to build an arcade game from cardboard and other recycled materials.

To get some inspiration, watch this video: "Caine's Arcade" by Nirvan Mullick on YouTube: <https://youtu.be/falFNkdq96U>

Now, start thinking of ideas for your arcade games!

Do it!

Spend some time brainstorming ideas for the arcade. Make simple drawings of each idea you have (similar to the blueprinting activity). Then, decide on one idea (or combination of ideas) to start with.

Building an arcade game is easier said than done, so here are some tips:

- The next page has examples of different ways to connect cardboard together
- Start with simple designs, and then make them more complex if you want
- Make sure to test often, so you know each piece of your game works!

This will take several hours, at least, so it's probably a good idea to break this up into several days. You might lose inspiration for a while, and come back to it later, or not at all--and that's fine! The goal is to give your child a chance to let their (and your) creativity flow freely.

Once finished with your game(s), you can host a "Grand Opening," if you like.

Adaptations

For Younger children

Look online for examples, and base your game off of that.

Fun facts

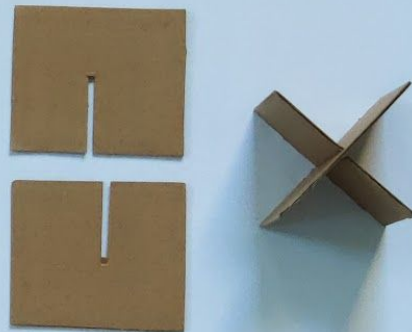
Where is Caine now? Caine is now close to graduating high school, and he's still inventing!

Cardboard Attachments

Slot



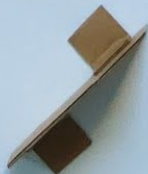
Tab and Slot



Tabs



L-Brace



Created by the Columbia Gorge STEM Hub, inspired by Sarah Wyman.

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