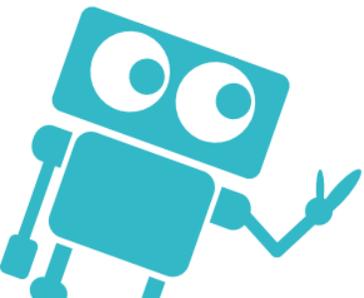


T

Tinker

2

Points



Makedo Name Builder

Build your name from cardboard. For an additional challenge, can you make your name 3D so it stands on its own?

MackinMaker

T

Tinker

2

Points

Materials:

- Cardboard
- Makedo connectors and tools
- Markers, paper, glue, and/or other optional materials for decorating

Quick Start:

1. Collect scrap cardboard and a set of Makedo connectors and tools.
2. Draw out a quick idea of your design for your name. How will you connect the letters in your name? Will it be 3D or 2D?
3. Build your name. Add features to make it even more unique like color and other décor.

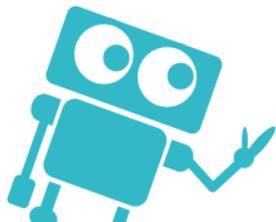
Hints and Tips:

- The punch tool helps to make holes in cardboard so that the screw fasteners can really bite in.
- Regular scissors can be challenging when cutting cardboard. Instead try to use tools designed to cut cardboard like the Makedo cardboard saws.

Extended Challenges

English/Language Arts: Choose a vocabulary word you are learning or have recently learned and make the word out of cardboard. How can you decorate your creation to help illustrate the meaning of the word?

Social Studies: Instead of your name, create the name of someone you recently learned about in history. Be prepared to share the impact this person had on the world with someone you know. Can you decorate the name to help tell the story of the person?



S

Skill-Up

7

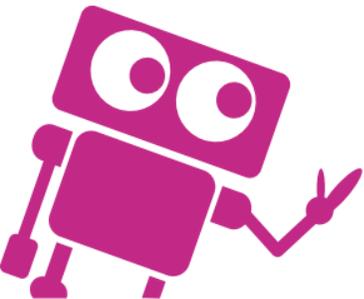
Points

Makedo

Makedo Character

Design and build a character from a story you recently read. Can you create some scenery too?

MackinMaker



S

Skill-Up

7

Points

Materials:

- Cardboard
- Makedo connectors and tools
- Markers, paper and tape for decorations

Quick Start:

1. Collect scrap cardboard and a set of Makedo connectors and tools.
2. Draw out a quick sketch of your character and start building.
3. As you build, think about how the story described the character to help add to your design.
4. When you are finished, show a friend and tell them about the story.

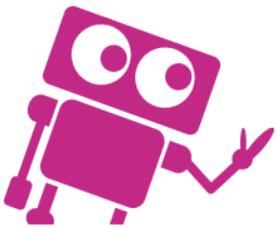
Hints and Tips:

- Regular scissors can be challenging when cutting cardboard. Instead try to use tools designed to cut cardboard like the Makedo cardboard saws.
- Did you know that Makedo has a site with inspiration images and helpful tips? Head to the link below to check out what others are creating with Makedo. <https://know.make.do/collections/everything>

Extended Challenges

Social Studies: Pick a famous person from history to make.

English/Language Arts: Create scenery for the character and put on a play with your friends. Can you create costume changes with cardboard? Other characters?

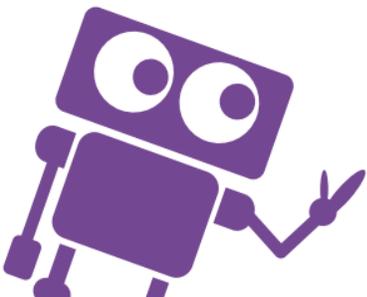


D

Design

13

Points



Makedo Makedo Invention

Think of a toy you'd like to have, or a problem you'd like to invent a solution for. Build a prototype with Makedo and cardboard.

MackinMaker

D

Skill-Up

13

Points

Materials:

- Cardboard
 - Makedo connectors and tools
 - Markers, paper, tape, and any other materials you think you may need
-

Quick Start:

1. Collect scrap cardboard and a set of Makedo connectors and tools.
2. Brainstorm a toy you wish you had, or a problem you'd like to solve.
3. Draw a sketch of your design and start building.
4. Keep building, testing and iterating until you finish your prototype.
5. When you are finished, show a friend and tell them about your design.

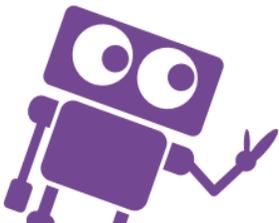
Hints and Tips:

- Regular scissors can be challenging when cutting cardboard. Instead try to use tools designed to cut cardboard like the Makedo cardboard saws.
 - Did you know that Makedo has a site with inspiration images and helpful tips? Head to the link below to check out what others are creating with Makedo. <https://know.make.do/collections/everything>
-

Extended Challenges

Social Studies: Create an advertisement for your prototype. It can be an ad that might go in a newspaper, or maybe a commercial that might play during the Superbowl!

English/Language Arts: Write a story about your design. Who needed your solution? Why?





G

Global



16

Points

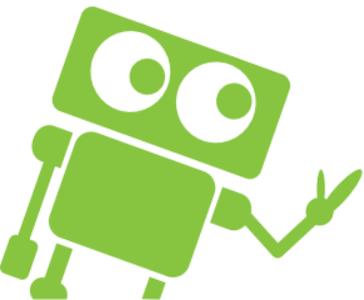
Makedo

Cardboard Town

Design and build a town with a friend. Include at least 2 structures. What buildings will you include?



MackinMaker



G

Global

16

Points

Materials:

- Cardboard
 - Makedo connectors and tools
 - Markers, paper and tape for decorations
-

Quick Start:

1. Collect scrap cardboard and a set of Makedo connectors and tools.
2. Design-think and brainstorm how you will create an amazing town. What buildings are important where you live? How might you recreate them?
3. Gather materials and start to build.
4. What shapes will you need to make? Start with more basic pieces and add on to make a more intricate, detailed design.
5. Share your town with someone you know. What might they add to your little city?

Hints and Tips:

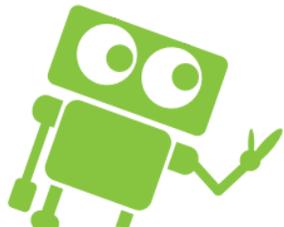
- Think about the buildings that you can find in a lot of cities and towns when you are brainstorming what to include.
 - Regular scissors can be challenging when cutting cardboard. Instead try to use tools designed to cut cardboard like the Makedo cardboard saws.
-

Extended Challenges

Geography: Explore a famous city or town that you'd like to travel to. Research a famous building from that city and work to build it with a friend.

Science: What kinds of shapes make buildings and structures strong? Explore this and be sure to add use those shapes in your design.

Science: What might you include to make your town safer for the environment? Design structures with climate change in mind.



1

Innovator

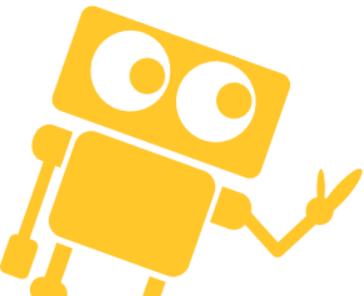
22

Points

Makedo Game Innovator

Brainstorm, invent, and build your own game. Will it be modeled after a favorite board game you play? Arcade game? Use what you know to innovate!

Mackin**Maker**





Materials:

- Cardboard
 - Makedo connectors and tools
 - Markers, paper and tape
-

Quick Start:

1. Collect cardboard pieces and a set of Makedo connectors and tools.
2. Think about your favorite games. What is fun to do? Decide on your own game design and start building.
3. What pieces need to be created? Break it down and work on one piece at a time.
4. Keep building, testing and iterating until you finish your game prototype.

Hints and Tips:

- Regular scissors can be challenging when cutting cardboard. Instead try to use tools designed to cut cardboard like the Makedo cardboard saws.
 - Not sure where to start? Think about some of your favorite games and model yours after the parts you like best.
 - Innovation takes a lot of trying. So, if your game prototype doesn't work out the first time, don't be upset. Just keep trying, testing, trying and testing some more—engineers call this, “iterating”.
-

Extended Challenges

Math: How does someone score points or win your game? Create a scoring system.

English/Language Arts: Create and write your own directions and quick start to help others play your game.

