

A teal square button with a white letter 'T' in the center.

Tinker

A teal square button with a white number '2' in the center.

Points

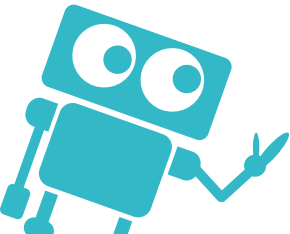
A large teal rounded rectangle containing the text and a decorative starburst graphic in the top right corner.

## 3DuxDesign Community Building

Use your 3Dux materials to build a city building or buildings. What will your building(s) look like?

A white rounded rectangle containing the text 'MackinMaker' in a teal sans-serif font.

MackinMaker



**T**

Tinker

**2**

Points

## Materials:

- 3DuxDesign GOBOX Classroom Set
- Additional cardboard (optional)
- Paper and pencil
- Scissors, coloring supplies, and other craft materials (optional)

## Quick Start:

1. Before making your city building, think about what kind of building you want to create. Will you make an office building? A post office? A library? A hospital?
2. Draw a sketch of what your building will look like.
3. Choose the pieces that will work best for your structure and build it!
4. When you are finished, decorate it!

## Hints and Tips:

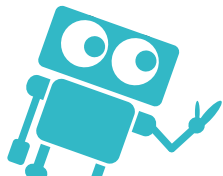
- Read about and brainstorm all the different buildings in our communities.
- Look at pictures of different community buildings for ideas, like a fire station, a hospital, and a library.

## Extended Challenges

**Art:** Draw a picture of the things that people might do in the structure you made.

**Social Studies:** Build a famous building that you know or a real building in your community.

**English/Language Arts:** Name your building! Write a sentence or two about why you gave it that name.



S

Skill-Up

7

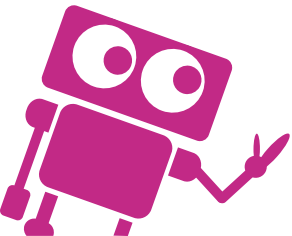
Points

## 3DuxDesign

### Building a Home

Use your 3Dux materials to  
build a home for an animal!

MackinMaker



**S**

Skill-Up

**7**

Points

## Materials:

- 3DuxDesign GOBOX Classroom Set
  - Additional cardboard (optional)
  - Paper and pencil
  - Scissors, coloring supplies, and other craft materials (optional)
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## Quick Start:

1. Before building your home, think about who you are making it for. What will this animal need to be safe and cozy?
2. Draw a sketch of what your home will look like.
3. Choose the pieces that will work best for your home and build it!
4. When you are finished, decorate it!

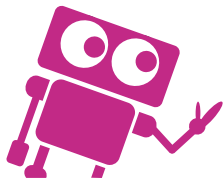
## Hints and Tips:

- Read about animal homes around the world. What do some of those homes have? What is needed?
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## Extended Challenges

**Science:** What makes a good habitat? What makes a bad habitat? What is best for the animal? Read stories about the animal you are making a home for to find out.

**English/Language Arts:** Write or draw a story of a day in the life of that animal home. Who lives there? What do they do during the day? Where do they sleep? Eat?

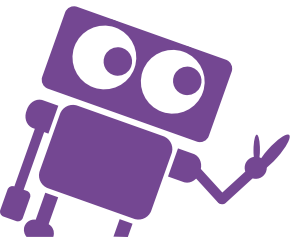




## 3DuxDesign Treasure Box

Use your 3Dux materials to build something to hold a special treasure or something else that is important to you!

MackinMaker



**D**

Skill-Up

**11**

Points

## Materials:

- 3DuxDesign GOBOX Classroom Set
  - Additional cardboard (optional)
  - Paper and pencil
  - Scissors, coloring supplies, and other craft materials (optional)
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## Quick Start:

1. What will your box look like? What shapes will help to make your box? What will it hold? Draw a sketch to plan it out.
2. Choose the pieces that will work best for your treasure box and build it!
3. When you are finished, decorate it!

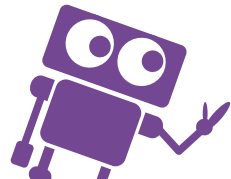
## Hints and Tips:

- Decide what you want your box to hold before you start building it. What is important to you?
  - Will your box have any other shapes built into it or added for decoration?
  - Look at pictures of different storage and treasure boxes for ideas.
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## Extended Challenges

**Art:** Add other materials to your box to help decorate it.

**English/Language Arts:** Tell an imaginary story to someone about your treasure box. Where do you think your box would have been discovered if it were a real treasure box? What kind of treasure was found inside of it?



**G**

Global

**18**

Points



## 3DuxDesign

### Spotlight on Seasons

Choose a season and build something that you would find helpful to have during that season. Will you build a special umbrella for spring? A warm cabin for winter? A boat for summer?



MackinMaker

**G**

Global

**18**

Points

### Materials:

- 3DuxDesign GOBOX Classroom Set
  - Additional cardboard (optional)
  - Paper and pencil
  - Scissors, coloring supplies, and other craft materials (optional)
- 

### Quick Start:

1. What season are you choosing to think about?
2. What object might be helpful to have during that season? Draw a sketch of what your creation will look like.
3. Choose the pieces that will work best for your object and build it!
4. When you are finished, decorate it!

### Hints and Tips:

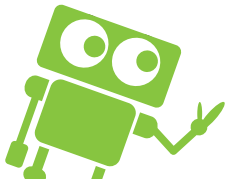
- It is helpful to narrow down what season you plan on focusing on before brainstorming an object.
  - Don't be afraid of creating an object that doesn't exist yet! Be prepared to share what it does.
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### Extended Challenges

**English/Language Arts:** Name your object!

Write a sentence or two about why you gave it that name.

**Social Studies:** What holidays take place during the season you chose? What can you make to help celebrate that holiday?



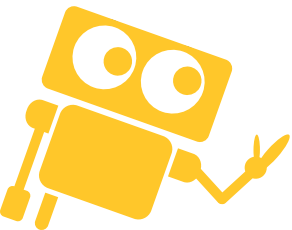


I

Innovator

23

Points



## 3DuxDesign

### Changing Spaces

Use 3Dux to show a solution for how you can update a space to solve a problem or just make the space more fun. It could be a room, building, or outdoor area!

MackinMaker

**I**

Innovator

**23**

Points

## Materials:

- 3DuxDesign GOBOX Classroom Set
  - Additional cardboard (optional)
  - Paper and pencil
  - Scissors, coloring supplies, and other craft materials (optional)
- 

## Quick Start:

1. Before you start building, think of a plan. What is your solution, or how are you making it more fun? What would it look like? Draw it out before building and make sure you have all the pieces.
2. Choose pieces that will work best for your design.
3. When you are finished, decorate it!

## Hints and Tips:

- If you're not sure where to begin, think about what the space you are thinking of looks like right now. Start there, and then think of how you can change or update it.
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## Extended Challenges

**Social Studies:** Design a way to make a school space better for social distancing. How can you be close but still keep each other safe?

**Social Studies:** Design a way to make a playground easier to use for people with special needs.

**English/Language Arts:** Create a story or written explanation of your solution. This could also be done as a narrated video.

