



GRADES: 2–8

DIFFICULTY: ●○○○

TIME NEEDED: 30–60 mins

PROJECT OVERVIEW

Create a replica of a dwelling from history.

PROJECT SEQUENCE

DREAM

1. Have students research a dwelling from history. Ideas may include cliff dwellings, adobes, yurts, log cabins, igloos, castles, etc.

DESIGN

2. Instruct students to sketch three different dwellings they may be interested in constructing. Remind them to label their sketches with the materials they will use not only to build the dwelling but also to decorate it.
3. Tell them to decide which dwelling to build.

MAKE

4. Have students gather their materials and begin building their dwellings.
5. Ask them to assess their creations to determine if any modifications are needed. Remind them to update their sketches as they make modifications.

SHARE

6. Partner students up with peers who have created a different type of dwelling. Ask them to share their dwellings with each other.

REFLECT

7. Have students reflect on what they learned by answering the reflection questions in a group.

SUGGESTED MATERIALS

- Cardboard
- Paper
- Pencils
- Scissors
- Crayons
- Markers
- Colored pencils
- Paint
- Other craft supplies if desired
- Makedo®
- Copies of the student guide (one per student or group)

TEACHER TIPS

1. Since Makedo requires cardboard, consider either precutting cardboard pieces or having a few adults in the room to help students cut the material.
2. The basic design of the dwellings will include only the Makedo fasteners and cardboard. Consider how you want to distribute these materials as well as the different craft supplies that students may use for their decorations.
3. More can be done with cardboard than simple straight cuts. Check out this resource that includes fun and interesting cardboard techniques: erinriley.weebly.com/uploads/2/1/0/8/21080698/cardboard_inventory_v2.pdf
4. Think about student grouping.
 - Do you want students to complete this challenge independently or in teams?
 - If students work in teams, how will you ensure they share the workload and responsibilities?
 - ◆ Will students choose their teams, or will you select the teams yourself?
5. Consider how students will reflect and communicate.
 - How will you facilitate communication between students?
 - ◆ Will they share daily reflections?
 - ◆ Will they give one another feedback?
 - ◆ Will they have time to reflect on what they've shared with other students or teams?
 - ◆ Can students comment on their classmates' projects or provide constructive feedback?

EXTENSION ACTIVITIES

1. Have students add sound and motion (using Makey Makey®, littleBits™, etc.) to their dwellings.
2. Ask students to create a small village of dwellings.
3. Challenge students to re-create their build using different materials, such as basic craft supplies, Strawbees®, K'NEX, Strictly Briks®, etc.
4. Encourage students to develop their communication skills.
 - Ask them to complete a brief written or oral report on the history and purpose of their dwelling.
 - Ask them to create a PowerPoint or short film centered on their dwelling.