

The background features abstract, overlapping shapes in shades of green and orange. A thin, wavy yellow line meanders across the page. Small, scattered dots in green, orange, and black are also present.

# Repurpose with Purpose: Using Recycled Materials for Animal Shelters

Presented by Rozy Razo

2nd + 3rd Grade

# Standards Met

## 2nd Grade

**K-2-ETS1-1, ETS1.A:** Defining and delimiting engineering problems; a situation that people want to change or create can be approached as a problem to be solved through engineering.

## 3rd Grade

**3-5-ETS1-1, ETS1.A:** Defining and delimiting engineering problems; possible solutions to a problem are limited by available materials and resources (constraints).

# Background Information

Students had learned about endangered animals and how many had homes destroyed due to the change in climate. Some of the effects of climate change created a lack of materials available for some animals. For examples, the koalas in Australia.

# Project Information

They were tasked with building homes for animals who may have been impacted with climate changing in a sustainable manner with recycled items. Students used tape, paper, glue, and origami-skills to create homes for different animals.

Criteria: All material had to be found in recycling and they were all limited in the amount of tape and glue given. Glue sticks were from the class lost and found, so they had to share what there was and tape was what was left of my roll, about 1/8th until finished.



# Project Steps

1. Watch about 3-4 videos on endangered animals due to climate change; recommended: koalas, polar bears, sea turtles
2. Discuss as a class what climate change is and what steps as humans we can take to shift our impact: recycling, reducing, reusing, composting
3. Divide groups into 3-4 students and have them select (or you select) an animal for them to focus on building a home for
4. Limit materials based on grade level and have them work on the activity while you observe