



St. John the Baptist Parish 4-H

Rebuild It: Engineering Design Contest

The Rebuild It: Engineering Design Challenge invites 4-H members to explore the intersection of creativity, sustainability, and innovation. This contest challenges youth to design and build a portable art piece using recycled or repurposed materials, with the goal of raising awareness about environmental issues. The goal of the contest is to:

- Promote environmental awareness by encouraging the creative reuse of recycled or discarded materials
- Inspire innovation and design thinking through the creation of functional or expressive art
- Showcase youth creativity in building portable projects that reflect sustainability and purpose

Eligibility

- a. Open to all enrolled 4-H members and Cloverbud members
- b. 4-H'ers may enter as individuals or in teams (up to 3 members per team)

Challenge Objective

Design and build a portable art piece using recycled or repurposed materials that reflects the theme of Environmental Awareness. Your project can be:

- **Functional Art** – serves a practical purpose
- **Nonfunctional Art** – expressive or symbolic
- **Kinetic/Interactive Art** – moves or engages the viewer

Project Requirements

- **Materials**
 - At least 75% of the project must be made from recycled, reused, or repurposed materials.
 - No hazardous or sharp materials allowed.
- **Portability**
 - Must be easy to transport
 - Maximum size 24" x 24" x 24"
 - Maximum weight: 25 pounds
- **Documentation**
 - Submit a Project Description Form

Categories

- Functional Art & Design
- Expressive Environmental Art
- Kinetic or Interactive Art

All entries are due by October 24, 2025

Scoring Rubric

Category	Max Points	Description
Creativity & Originality	25	How unique, imaginative, and innovative is the design?
Use of Recycled Materials	20	How well does the project incorporate repurposed or upcycled materials?
Environmental Message	20	Does the project clearly communicate an environmental theme or issue?
Craftsmanship & Design Process	15	Is the project well-constructed and thoughtfully planned?
Functionality or Artistic Impact	10	Is the piece useful (if functional) or visually/emotionally impactful (if not)?
Portability & Presentation	10	Is the project easy to transport and well-presented for display or judging?

Should you have any questions, contact the St. John 4-H Office.

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Rebuild It: Engineering Design Contest

Project Description Form

4-H Member Name(s): _____

4-H Club/School Name: _____

Title of your Piece: _____

Category: _____ Functional Art _____ Nonfunctional Art _____ Kinetic/Interactive Art

Materials Used	
Design Process Summary <i>Include the following</i> <ul style="list-style-type: none">• <i>Inspiration & Purpose</i>• <i>Planning & Sketches</i>• <i>Construction Process</i>• <i>Portability</i>	
Environmental Message or Impact	