

RE-USE/RE-PURPOSE/RE-INVENT!

Welcome Inventors!

It's up to everyone to do their part in caring for planet earth. At Goodwill, going green is nothing new. For over 100 years, Goodwill of WNY has been reusing, repurposing, and recycling the things people no longer want or need to support their mission of helping people find jobs and build careers so they can change their lives.

Inventing new products from recycled or reused items to solve a problem is a great way to help the environment while improving the lives of everyone around us. That's why Goodwill is proud to partner with Western New York Invention Convention to challenge young inventors to reinvent by using items and materials typically donated to Goodwill for their projects.

Get Started!

Think of a product that could really help improve someone's life. Taking a tour of a Goodwill store or two will definitely help spark creativity since thousands of items can be found on Goodwill's racks and shelves every day.

This year inventors can choose from **TWO** Goodwill Re-Invention categories:

A.) Textile Up-Cycling:

Every year, people donate thousands of pieces of textile items including shirts, pants, jeans and other fabric items like blankets, bedding and even stuffed animals. For this category, think of inventions that could solve a problem or fulfill a need using any of these fabric items. You can also use components of these items like buttons, zippers and snaps. In addition to the items and materials donated to Goodwill, other materials may be used to assemble the end product - examples include glue, thread, wire, grommets, staples, hooks, and fasteners.

B.) Household Repurpose/Reuse/Reinvent

Goodwill stores are also full of thousands of donated household items including dishes, glassware, utensils, electronics, appliances, toys, and so much more! For this category, you can use any donated item you find in a store or any of their components to invent a new item that can solve a problem or fulfill a need. Other materials may be used to assemble the end product.

Judging Criteria for Goodwill Submissions

1. How did the Inventor use the Invention Process in their repurpose/reuse/reinvent journey?
2. How much of the Invention is constructed of re-used or re-purposed items?
3. What percentage of the final product was found at Goodwill?

Hint: The next pages provide guidelines for Display Boards, Videos, and Invention Logs

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DISPLAY BOARDG

The display board is an important part of the Invention Process. It's the first thing that a Judge or other viewer sees and it helps to visually explain the inventor's process.

Use a tri-fold display board that is no wider than 24" when the wings are folded in, 30" when expanded. At live events, the student's grade should be visible in lower right corner.

The prototype will go in front of it (on the table or on the floor) and should be no wider than 24".

- For live events, include a Student Waiver Form taped to back of the tri-fold, with a duplicate provided at sign-in. (found at wnyinventionconvention.org/resources)

These categories should be labeled:

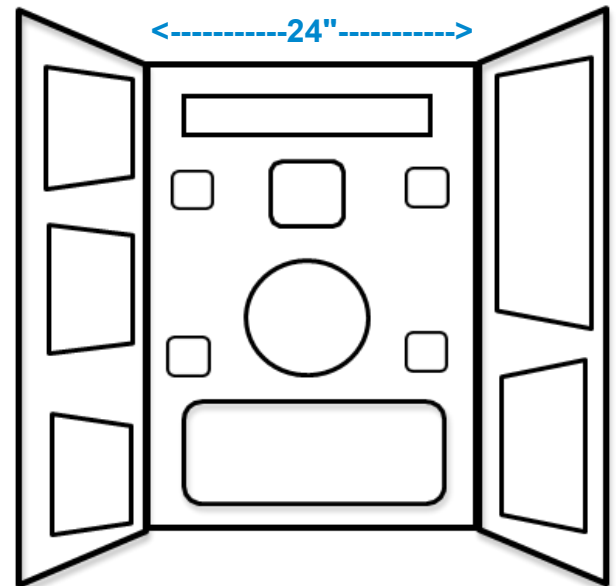
- My Re-Invention **SOLUTION**
- My Re-Invention **PROCESS**
- My **Parts List and Costs**

Encourage this:

- Lettering that is readable (style, size, color)
- Colors that look good together
- Correct grammar, spelling, and punctuation

Things that might be included:

- Images showing building or testing
- How the Re-Invention was made
- What was found at Goodwill plus other parts used
- SIMPLE AND PRECISE text to support and explain any pictures, drawings, charts, etc.
- Any engineering disciplines that were used (e.g. electronics, optics)
- Testimonials from users, research results, testing results
- Any other information about the Re-Invention that helps explain it, what it does, or why it is good
- At live events, have your Invention Log nearby for the judges to access



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OTHER CONSIDERATIONS

Teacher/Advisor/Parent must sign off on the inventor's solution/invention before they begin building their prototype from their design. This is in the Invention Logbook.

- The Inventor(s) must have a COMPLETED & SIGNED Invention Logbook with each page dated by the inventor(s) (suggested format is found on wnyinventionconvention.org/resources).
- The concepts must be within the realm of reason: Space ships & homework machines will not meet the criteria.
- Demonstrations/presentations may not include human beings or other living creatures.
- If an invention is for animals, it must be demonstrated in pictures or by using a stuffed toy.

Your prototype does not have to be a working model, but you need to be able to explain how it would work. If it can be operational, it should be.

- Wall outlet electricity may NOT be used at a live event. Battery powered devices are fine (using wall electricity in a Virtual event is fine).
- Inventors may not use lighters, matches, candles or any other open flame or heat source nor any material or liquid considered combustible.
- Inventions may not contain biohazards or utilize any materials that are, or could become, dangerous.
- Other restrictions include: electric stun guns, martial arts weapons, guns, replica guns, ammunition, fireworks, knives of any size, mace, pepper spray, razors, or box cutters.

Video Presentations of the Prototype

If your prototype cannot be actually demonstrated at WNYIC due to issues with size, electricity, or hazardous materials, a video of the device in action can be shown.

- The prototype should still be present.
- Video presentations can accompany non-hazardous prototypes as well.

Video Submissions

- See Video Presentation Guidelines (<https://wnyinventionconvention.org/resources>).
- Guidelines include tips for designing, filming, and uploading Video Submissions.