



WasteNot! DESIGN Challenge Design Brief

(Dec 2017-April 2018)

Background

The City of Hobart is supporting the Australian Association for Environmental Education (AAEE) to host a design brief challenge. The challenge is to encourage Tasmanian students to make a marketable product from non-hazardous waste (rubbish).

Tasmanians create 636,342 tonnes of waste each year, which is a huge amount! This waste might come from constructing or pulling down buildings, factories or from peoples' homes, to name a few sources. About 35% of wastes are recycled or composted. That leaves 0.8 tonnes or 800 kgs per person that we put into landfill (tips), every year.

We believe we should try to reduce, re-use and then recycle our waste. If we did, we could probably reduce, re-use and recycle more wastes (and more types of wastes) than we do now. We need to 'rethink' the way we use resources especially since creating waste often contributes to global warming and climate change – think about all the things we use and how many resources went into making them.

Objectives

There are a few WasteNot! Design Challenge objectives. These are:

- to divert waste from landfill;
- to encourage innovative thinking and design in young people – (10-21 year olds);
- to encourage young people and the wider community to think about waste as a possible resource, especially those wastes which are not currently being recycled;
- to encourage young people to imagine creating a marketable product using a previously unwanted material, running a business and learning a new range of useful, transferable skills.

Prize

There will be a prize associated with the WasteNot! Design Challenge. It is not a cash prize, but it is \$1000 worth of mentoring from a product developer and/or a businessperson. The mentor will help the winner to develop and market their product. The mentor will be chosen by AAEE- Tas, in consultation with you and your parents or guardians, (if you are under 18 years of age). The mentor will, in most cases need a Working with Vulnerable People card.

Selection Criteria

To enter this challenge, entrants must be between 10-21 years of age, a student and live in Tasmania. The designed product must:

1. be made-up of a significant amount of waste or combination of wastes that are easy to access – wastes must not be hazardous, such as batteries;
2. be original, not a direct copy of someone else's product;
3. be durable (or show how the product or components can be part of ongoing cycles/'recycling' after their initial use);
4. be able to be reproduced; and
5. not have extreme or adverse environmental impacts in its production.

How to apply

The applicant should provide up to 3 photos (jpgs) of their prototype* (i.e. front view, rear view and side view), with a short description of

1. who made it, age and contact details
2. what it is
3. the name of the product (if it has one)
4. what it is made from/components and the approximate percentage of waste materials in the product
5. instructions for use (if appropriate)
6. the 'target market' e.g. who might buy the product
7. a statement of up to 200 words, indicating the reasons for making the product

Applicants should ensure that they are making something original, or use an original combination/mixture of materials, so that the product will not compromise the intellectual property of another designer or business. A Google search may be all that is needed to ensure that a direct copy is not being made.

Participants can enter more than once. Participants can also make a joint entry/ies, for example, if the product is made by two or more people.

*The product does not have to be completed or refined, but there must be a prototype. A prototype allows the judging panel to visualise the completed work. It also allows the designer to resolve issues related to the making of the works early on. It shows that the intention of the design can be fulfilled, even if it is not perfect.

Send entries to the Sustainability.Learning.Centre@education.tas.gov.au by **5pm on 30th April 2018**. Questions can also be sent to the Sustainability Learning Centre via email.

The winning prototype will be displayed in the *Art from Trash* exhibition at the Long Gallery, Hobart from May 20 to 1 June 2018.

The winner may be asked to attend functions associated with the prize, and speak briefly about their product.

Judging Panel

A panel will judge all entries. The panel will include representative/s from: AAEE Tas, the City of Hobart waste management team and a business owner/ designer. Entrants may be shortlisted and asked to deliver a brief presentation of their product to the judging panel.

Possible mentors

Parents/Grandparents/Friends/Teachers/Men's Sheds

Small business owners/designers

Shauna Mayben, Jewellery maker Moonah 0400985665 www.mayben.com.au

Possible sources of materials

Eagle Plastics, Elizabeth St Hobart

Arts Parts, open once per month, contact Resource at Hobart Tip Shop re opening dates education@resourcetipshop.com

Possible sources of inspiration

Cool Hunting Green: Recycled, Repurposed & Renewable Objects, A book by Dave Evans

Google – look up 'products from waste materials' or similar

Pinterest

<http://www.landfillharmonicmovie.com/>