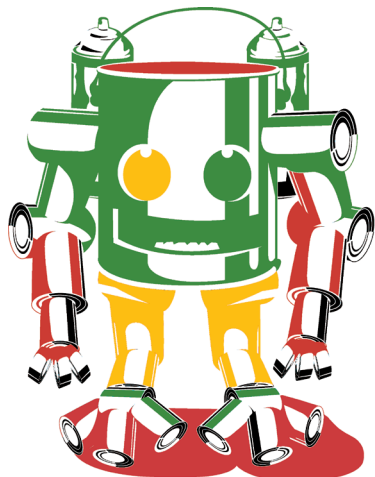


THE GREAT HANABLE THE CANABLE WEBSITE CHALLENGE

PROMOTE RECYCLING & SUSTAINABILITY AND WIN GREAT PRIZES!



Hanable the Canable Recycling Superhero

- The Hanable the Canable Class Challenge is an imaginative, and science-based challenge, for students aged 8–14, using a sustainability theme.
- Students are challenged to create a live or virtual website where Hanable, as host of the website, spreads the messages of steel and metal can recycling (**Social Sciences: Place and Environment**) and at the same time, informs website visitors about the special properties of cans, electricity usage (**Science: Material World**) and their positive implications for reducing our carbon footprint.
- As a bonus, all entries have the opportunity to win wonderful prizes for their classroom or school in two categories: **Category 1:** Years 7–10 (Ages 11–14) **Category 2:** Years 4–6 (Ages 8–10)

INTRODUCTORY LESSON IDEAS

- Do students understand what is meant by recycling? Why is it important to recycle? What materials that should be/could be/are recycled at home? Share details of recycling programmes they have at home. Interview the caretaker to find out what recycling programmes are in place at school. Find out how they can help.
- Have students brainstorm a list of products that they know are packaged in steel (tin) or aluminium cans. Can they suggest reasons why cans are used as packaging for these products?
- www.canzbac.co.nz > Select Educational Resources. Data project for class study. Through shared reading and discussion have students, focus on and gain an understanding the following concepts:
 - why steel cans are the easiest type of packaging to recycle
 - why steel cans were first invented (relate to today's uses)
 - the savings made by reducing weight of cans
 - energy savings producing steel from recycled materials
 - why it is such a terrible waste sending steel to a landfill
 - the savings that can be made from recycling 1kg of aluminium
 - energy and CO₂ emissions saved by recycling aluminium compared with producing it from scratch
 - identifying the many possible forms of energy saved
 - the number of times can steel and aluminium cans be recycled
- Challenge groups to present a 'compelling' case for the recycling of steel and aluminium cans that include both environmental and and resource saving reasons.
- Did students know that in New Zealand we recycle only one in six cans used? Can they suggest reasons for this low recycling rate? Do they think lack of awareness is one of the main reasons? Brainstorm ways of improving this recycling ratio.

INTRODUCE HANABLE'S WEBSITE CHALLENGE

- Remind students that in 2010 there was a Hanable the Canable Superhero Competition to promote the recycling of cans. (*starters&strategies Term 3, 2010, Pg 17, for more information*) Visit: www.canzbac.co.nz > Select Kids Corner to view and read the he winning entries in the competition.
- Tell students that Hanable, like all superheroes, moves with the times. He has decided that the best way to get out his messages to the most people, in the shortest possible time is to use the **Internet**. His website will include information promoting recycling and how to go about it, why cans were invented and are still used and facts about energy and resources that can be saved.

THE WEBSITE CHALLENGE IN ACTION

Category 1: Years 7–10 (Ages 11–14)

Category 2: Years 4–6 (Ages 8–10)

- Design Hanable's web pages for the class or school website promoting his messages about metal can recycling, reasons for cans, and how recycling saves Earth's resources.
- The web pages should be divided into two distinct sections, with each section containing messages aimed at two different audiences: school students; parents and family members.
- The website is limited to 4 pages in total.
- Viewers must be able to easily navigate around the website.
- Pages must contain a combination of text and images and should be visually attractive in terms of web design.

PRESENTATION

- The website can be live online consisting of web pages that have been added to an existing school or class website: **or**
- The website can take the form of written/drawn sheets of A4 paper giving a visual representation of the proposed website.

WIN AN IPAD FOR YOUR CLASS

- Winning entries in each category will win an iPad for their class.



HANABLE WEBSITE CHALLENGE ENTRY INSTRUCTIONS

Category 1 and Category 2 Entries.

- If your entry is a live website, email the URL (web address) to starters & strategies at: sspub@reap.org.nz
- If your entry is an website plan, post your plan to Starters&Strategies Teacher's Magazine, Box 229 Turangi, 3353.
- Please include: School Name/Student(s) Name/ Postal Address/Email/Phone/Teacher Name/Category.
- Closing Date for Entries: 26 August, 2011.
- Winners will be contacted by phone/email by 9 September and winning entries will be posted on: www.canzbac.co.nz_kidscorner.htm
- Full competition terms and conditions can be found at: www.canzbac.co.nz_kidscorner.htm