

DesignTECH Regional Gallery Guide





Global Greed, Africa's Sacrifice

Kara Adolfson
Wenona School

Kara's dresses of recycled rubber and plastic are symbols of power abuse, drawing our attention to forced child labour in Liberian rubber plantations. The smaller dresses signify the children.



Made for Each Other

Eugenie Barnet
Calrossy Anglican School

Eugenie's inexpensive lightweight mannequin adjusts in size, shape, length and height by the use of jigsaw-like pieces to customise it to suit any body shape.



Sustainable fruit bowls

Georgina Anderson
Abbotsleigh

Georgina used recycled steel to create four fruit bowls with Australian native flora and fauna motifs. The design ensures that there is sufficient movement of air through the bowls to keep the fruit fresh and firm.



Feed Birds, Capture Mice

Joshua Crofts
All Saints' College Bathurst

Joshua developed an innovative mouse trap for use in aviaries. By raising the bird feeder and inserting simple flap mechanisms under it, mice are captured while the birds are left to feed safely.



Hospital Hygiene Station

Timothy Cullen

St Joseph's College

The Swine Flu pandemic shut down Timothy's school and cancelled sporting events. His Hospital Hygiene Station provides gloves, facemasks, tissues and a hand sanitiser for limiting the spread of infection.



Stackable cardboard bale trolley

Jakob Diamond

Dubbo College Senior Campus

In an effort to reduce workplace injuries caused by manual handling of cardboard bales, Jakob developed a stackable trolley that is space saving, easily moved and low to the ground making ejection of the bales easier.



Di Nuovo (Again)

Stephanie Frig

Brigidine College Randwick

Stephanie's garment designs, blending fashion with nature, challenge the idea that eco-fashion is boring and plain. Her designs use sustainable materials and up-cycled fabrics from second-hand clothes.



Arkamedia

Hayley Foster

Australian International School Hong Kong

Hayley's design helps artists working in small, cramped areas. When retrofitted to easels to allow easy access to materials, it gives the freedom to work anywhere and everywhere.



Paper and Prejudice

Amy Gilfeather

Batemans Bay High School

Amy's dress of recycled paper and cotton symbolises the values of the world's six largest religions – Christianity, Judaism, Islam, Hinduism, Buddhism and Taoism – and suggests an end to prejudice.



Basic to Ballroom

Courtney Hollings

Newcastle High School

Inspired by the 'little black dress', Courtney produced a basic dress that can be changed by the addition of accessories to create many different looks.

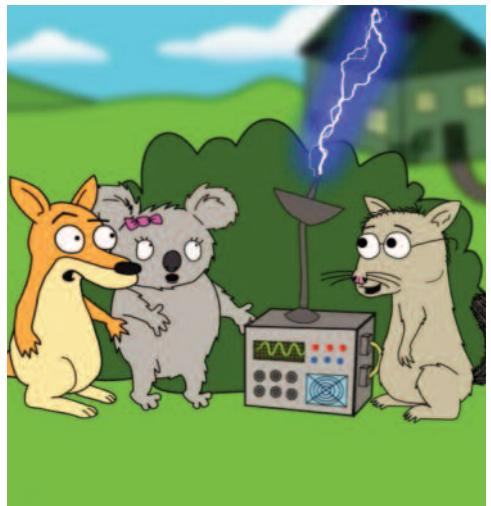


The Innovative Finless Surfboard

Zachary Griffiths

Xavier Catholic College Ballina

Zachary's finless surfboard, based on snowboard design, gives the surfer extra spinning and sliding skills. A channel/groove system replaces the fins, gripping and stabilising the board on the wave.



Wally's World

Aidan Howes

Barker College

Aidan has created this eco-oriented animation series for Australian audiences, using native animals as the main characters and combining environmental lessons with engaging storylines.



ProtectShoe

Will Jacobsen

Alstonville High School

Will's ProtectShoe incorporates a large certified steel toecap and flexible foot guard covered by heavy-duty leather. Everyday shoes with the ProtectShoe covering become protective footwear for practical work at school.



The ABC Bike

Stuart Johnson

Gosford High School

Addressing the need for a more personal and creative approach to a child's first bicycle, Stuart's ABC bike can be easily modified by children to match their imagination and growth.



Pool alarm and safety unit

Aaron Kirton

Mater Dei Catholic College

Aaron's pool safety unit for preventing accidental drownings triggers a loud alarm when an unauthorised person opens the pool fence. The unit also contains a first-aid kit and resuscitation instructions.

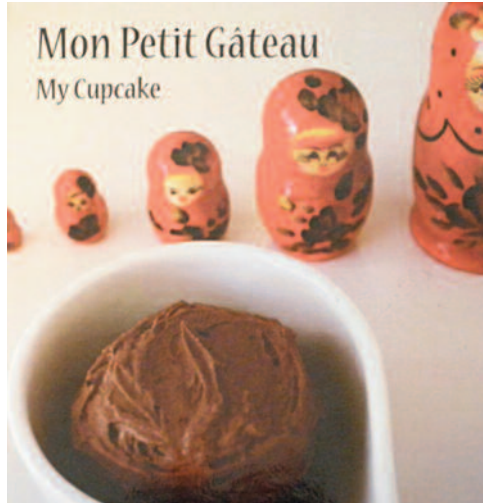


The Instantly Deployable Shelter

Daniel Lia

Holy Cross College

Motivated by the lack of adequate shelter for victims of the devastating Haiti earthquake of 2010, Daniel has designed immediate relief housing using durable and lightweight materials.



Mon Petit Gâteau

Emily McGee

St Vincent's College

'No-one who cooks, cooks alone' – Emily's cupcake recipe book has five sections, a notes page, and a space for each baker's photo once their cupcakes have been made.



TopStop

Zachary Mitchell

Kirrawee High School

Zachary's child-lifesaving TopStop helps to stop runaway prams. The brakes come on when the pram stops, so that the user has to pull the hand lever to start moving again.

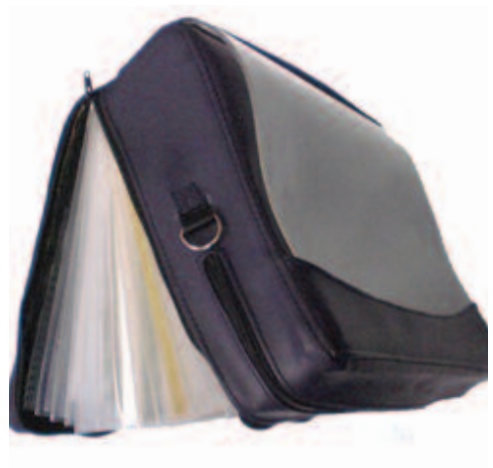


Gran-aid

Laura McKinnon

Calrossy Anglican School

Elderly people who find it hard to reach their shopping at the bottom of their shopping trolley will appreciate Laura's nifty design. The lightweight removable shelf fits most shopping trolleys.



Laptop and document protector with ergonomic stand

Jasmine Parer

Alstonville High School

Aiming to create a practical, strong and attractive laptop protector, Jasmine produced a durable, lightweight product incorporating an ergonomic laptop stand and expanding document protector.



LDROG
Learner Driver Log iPhone application

James Perkins

Great Lakes College, Tuncurry Senior Campus

James's iPhone app is a smarter and more efficient way to help learner drivers log their driving hours.



Safety First before the Worst

Natalie Racz

Mackillop Catholic College

Identifying the need for safety education for small children Natalie designed an educational board game that incorporates areas of study from Stages 1 and 2 of the primary PDHPE syllabus in a fun and engaging way.



Ebony & Rae
Jewellery Design

Erica Seath

Narooma High School

Erica's good quality, affordable jewellery targets Generation Y. Her modern, funky collection is made from wood, alternating white and black timber veneer with a face of ebony or silky oak.



MIXA

Scott Wei-Jian Seeho

Knox Grammar School

Scott has designed a pharmacists' mixing product that compounds medicines and mixes creams. The MIXA is lightweight and durable, and is more economical than similar products.

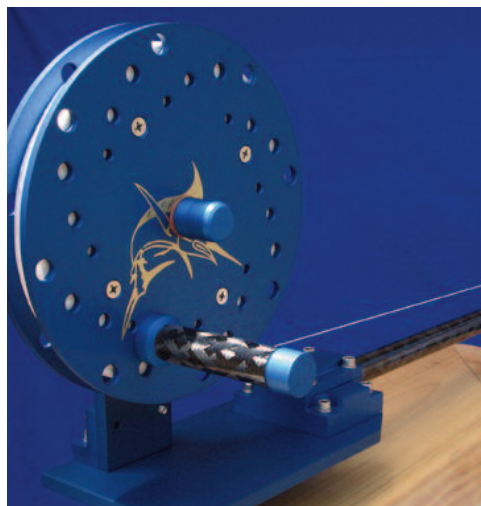


Modern Blue Mountains Luxury Holiday Retreat

Jessica Short

Lucas Heights Community School

Parts of Jessica’s eco-friendly, self-sustaining house, inspired by nature, ‘biomimic’ natural icons such as Hanging Rock, the calla lily flower and the male Victorian rifle bird.

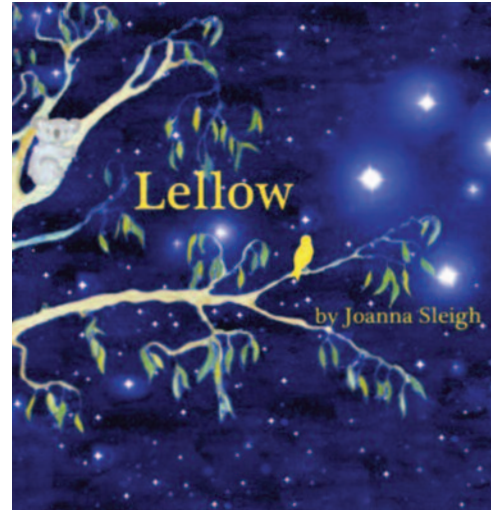


Downdeep Downrigger

David Waldock

Camden High School

David’s design is specifically for Australian blue water fishing. The carbon-fibre downrigger can be used in any vessel from a five-metre dinghy to a 15-metre game fishing boat.



Children’s picture book about Indigenous Australian place names

Joanna Sleigh

Moriah College

As Joanna discovered, not many Australians know that some iconic place names come from Indigenous history. Her educational and entertaining picture book explains their origin and meaning.



WESTERN PLAINS CULTURAL CENTRE

