

## Post Excursion Resource

Dear Teachers,

We hope that you and your students enjoyed your visit to the KESAB Education Centre (KEC). During your visit, diverse and hands-on activities allowed for exploration of some key elements of resource management, highlighting the value of recycling and the environmental impact of waste.

To continue this valuable learning back in the classroom and to reinforce the key elements, this resource provides some further resource management activities and helpful links.

### Key element: Which bin?

#### Activities:

- Students review the waste management systems that they have in place at home (e.g. who is responsible for the bins, what bins are available, do family members know what goes in each bin?). Students can decide if their family manages their waste effectively and if not, design a process that might improve it.
- Students explore different ways of sustainably managing waste and how these include the principles of avoid, reduce, reuse and recycle.
- Students research household bin collection systems in other countries. They could choose one (or more) countries with which they have a connection, or in which they are particularly interested. What are the similarities and differences between the bin collection systems in their chosen country and Australia? Students can record their findings and report to the class.

### Further resources

#### Stuff at home

The 'STUFF AT HOME – put it in the right bin' interactive house complements the 'House of Stuff' station at KEC and is a fun, engaging way to further explore the correct disposal of common household items.

[www.kesab.asn.au/stuff/](http://www.kesab.asn.au/stuff/)



#### Mini bin game

A game that provides students with the opportunity to practise and reinforce which items go into which bin.

[www.kesab.asn.au/product-sales/kits-games/mini-bin-game/](http://www.kesab.asn.au/product-sales/kits-games/mini-bin-game/)





## Key element: Impacts on the environment

### Activities:

- Students investigate what separation techniques are used to manage various waste and recycling items and consider how these techniques impact on the environment.
- Students can design their own version of a waste management collection truck. Their truck must show any working or moving parts.
- Students to consider how policies and legislation, such as the container deposit legislation (CDL) and plastic bag ban, impact on waste management and the environment.

## Further resources

### Litter Less

This litter reduction education resource assists schools in identifying litter issues, as well as planning and implementing litter reduction and prevention strategies.

[www.kesab.asn.au/litterless/](http://www.kesab.asn.au/litterless/)



## Key element: Impacts on the environment

### Activities:

- Students research two different methods of composting (compost bins, worm farms, Bokashi buckets, etc.) and select one method that they think could work at their home. Consider the organisation, time and equipment required. How would students ensure that their whole family could participate?
- Students investigate which natural materials are used to make one of the following: paper, glass, steel, aluminium or plastic. They can then create a presentation (booklet, oral presentation, digital presentation, poster etc.) which includes the following:
  - An explanation of the process of making new and recycled products from this material.
  - A list of benefits for the environment of recycling products made from this material.
- To explore the importance of correctly disposing of waste, students can research the life cycle of a commonly used item (e.g. a plastic water bottle). How is the product manufactured, marketed, distributed and disposed of, or recycled? Is the system a closed or open-loop system and what are the implications for the environment?

## Further resources

### **SIMS Metal Management**

SIMS Metal Management (SMM) is an Australian metal recycling company that has been operating locally and globally for over 100 years. You can find a 'Metal Recycling' resource within our education microsites.

[www.kesab.asn.au/simsmm/](http://www.kesab.asn.au/simsmm/)

### **Food Scraps to Compost**

The 'Food scraps to compost' microsite helps to educate about the effective use of the green organics bins to divert food scraps from landfill. It also contains great interactive resources.

[www.kesab.asn.au/fsc/](http://www.kesab.asn.au/fsc/)

## Activities note:

All of the student activities have been taken from the 'Let's be waste warriors! reduce, reuse, recycle' resource available on the KESAB website

[www.kesab.asn.au/schools/resources/lets-be-waste-warriors/](http://www.kesab.asn.au/schools/resources/lets-be-waste-warriors/)

For more resources, including information on classroom incursions, check out [www.kesab.asn.au](http://www.kesab.asn.au)

