

# MUSTERKIDS<sup>®</sup>

## EARLY LEARNING MODULE

This resource provides educators with information and resources about sustainable practices that can be promoted within the early childhood setting. The activities enable children to learn about recycling and sustainability through sensory and play-based learning. Participating in these activities will provide children with greater understanding of their relationship with the world and the impact of their actions on the environment.

## EARLY YEARS LEARNING FRAMEWORK

Under the National Quality Framework for Early Childhood Education and Care, Quality Standard 3.3 childcare centres, pre-schools and family day care services must ensure that they “take an active role in caring for the environment and contribute to a sustainable future” in two ways:

- By ensuring sustainable practices are embedded in service operations (3.3.1), and
- Supporting children to become environmentally responsible and show respect for the environment (3.3.2).

## ACTIVITY IDEAS

### Set up a recycling centre in the classroom

This activity uses dramatic play to encourage students to learn about what can be recycled. Provide a large container of items for the children to sort. The majority should be able to be recycled and a few that cannot. You can make the activity a little more abstract by printing images of items to be sorted. Place them all in the container or basket for the children to sort. Provide recycling bins for various items i.e. paper, plastics, and electronic devices and a non-recycling bin. Ensure that you attach a recycling symbol to the bins to reinforce the activity.

To encourage dramatic play set out some work gloves, construction hats and chairs to resemble a recycling truck so that the students can pretend to be recycling workers. Arrange pictures on the wall to help set the theme and to give the children ideas on what sorts of things they can do.

When a group of students have gone through the container point out the features that make each item either recycle or non-recyclable. You could even designate some students to act as “recycling rangers” to check and make sure everything is in the right place. When finished put the items back into the original container for other students to have a turn.

As part of this activity it is important to ensure that the centre has recycling bins that are accessible to the students if they aren't already. This will ensure that the children are able to practice what they have learnt and change their behaviour in the long term.



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You can also register with MobileMuster and set up a mobile phone recycling collection box. Encourage the community to recycle their old and unwanted mobile phones and accessories. MobileMuster will provide you with a free collection box and recycling service. To register visit [www.mobilemuster.com.au/schools](http://www.mobilemuster.com.au/schools)

## Musical Mobiles

This creative movement activity will allow students to use their listening skills and stimulate creative thinking. It will reinforce the message that you can recycle old mobiles and other items.

Place a rug with a recycling sign in the middle of the dance area. Tell students that this is a pretend recycling box. When the music plays the students dance around pretending to be mobile phones when it stops they need to sit down on the rug/recycling box. Once they have accomplished this, have them move and dance like other products that can be recycled for example cans, milk cartons and glass jars.

## Look & Feel Display Boards

This game will allow students to learn about the sense of touch and sight. For the activity you will need to contact MobileMuster and we will send you one of our display boards to show students what's inside a mobile phone.

Mobile phones are complex and contain many different materials. Our display boards allow students to examine the inside of a mobile phone. They can safely touch the different parts including the circuit board, screen, keypad, battery and cover of an old mobile phone.



Using the display board give the students a chance to feel each of the display objects. Have them use description words such as smooth or rough, soft or hard, round or square. After all children have had a chance to feel the materials on the display board and have given their guesses, reveal what the object is and what materials the object is made from. Explain to the students that these parts can be recycled and made into new items.

## Flashcard games

This activity allows students to identify basic recyclable materials and develop their memorisation skills. Introduce the term recycling explaining that it happens when waste (things you no longer use) can be made or transformed into new products. Ask to students to give some examples of items that are recycled at the early learning centre or home. Ask them if they think a mobile phone can be recycled. Explain to students that the mobile phone can be recycled and made into new products. You could use the MobileMuster display board if you would like to show the students what the inside of a mobile phone looks like.

These memory and matching games will engage students whilst helping them associate different materials in a mobile phone with what products can be produced from recycling. You can download the flash cards from

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the [MobileMuster website](#). The pictures on the flash cards show the mobile phone parts and examples of products that can be created in the recycling process.

**Memory game:** The game will develop colour recognition and memorisation skills as students need to pair the same colour cards. To play, colour print cards and cut out all cards. Put the cards in a pile, upside down, and take turns trying to pair the recycling and colour pair.

**Finding a match:** You will need a small group of 12 students for this game. Print in colour and cut out each MobileMuster flash card. Give each student a flash card and ask them to go around the room and find their match. They need to be the same colour and sit down in pairs. The teacher then goes around the group and asks each person to describe their card. The teacher talks about the different mobile phone parts as depicted on the card and how through recycling the materials can be made into new products.

## Art



The [colouring in](#) worksheet will develop fine motor and counting skills. The sheets will help students to identify places within their local community, i.e. shop, library and post box where they can drop off old mobile phones for recycling. The worksheet will also develop symbol and colour recognition as students need to locate and specifically colour in green the three symbols within the scene. You can download the worksheet from the [MobileMuster website](#).

Students can create their own toy mobile phones out of recycled materials. Collect small cardboard boxes that can be used for a handset, small lids that can be used as buttons and paper that can be used for a screen. The mobile phone art can be displayed around the classroom. At the end of the display period ask the students to dismantle their mobile phone so the materials can be sorted and recycled.

## Story time

Story time is a great opportunity to introduce the concept of recycling. Start by asking some question about recycling such as:

- What does it mean to recycle?
- Does anybody recycle at home?
- What sorts of things can we recycle?
- Do you know why we recycle?

There is a number of books suitable for early learning centres on the subject of recycling. Here is just a few of our favourites and suitable discussion question.

### **Michael Recycle (Ellie Bethel)**

Tells the adventures of a young superhero whose power allows him to teach people about recycling. After reading the book ask a students to take on the role of Michael and encourage other children to interview him

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about what happened in the story. Students could dress up as their own environmental superhero who encourages people to look after the planet. Ask them what are their special recycling super powers?

## **Charlie and Lola We Are Extremely Very Good Recyclers (Lauren Child)**

After Charlie convinces Lola to recycle her old toys instead of throwing them away, Lola discovers a recycling competition. After reading the book ask the students the following question:

- What did Charlie teach Lola about recycling?
- How did Lola and her friends win a school tree?
- What type of items can we recycle at home?
- What type of things can we recycle in our classroom?

Set up a chart to see if the class could recycle 100 items in two weeks just like Lola and her friends did. Show students on a calendar and draw a tree on the calendar. Explain to students that their goal is to recycling 100 things before we get to the day with the tree on the calendar.

## **Don't Throw That Away! A Lift-the-Flap Book about Recycling and Reusing (Little Green Books)**

This book reminds us that our rubbish can actually be a source of treasure. From turning a jar into a vase, a plastic bottle into a bird feeder, cans into instruments, old clothes into fun costumes or an old box into a brand new car. After reading the book make one or more of the ideas presented in the book or supply a range of used materials for the children to create their own treasure.

**For more information and resources visit:**

[www.mobilemuster.com.au/schools](http://www.mobilemuster.com.au/schools)

## **About MobileMuster**

MobileMuster is a voluntary product stewardship initiative of the Australian Mobile Telecommunications Association (AMTA). AMTA manages MobileMuster on behalf of its members who voluntarily fund the program. It accepts all types and brands of mobile phones, batteries, chargers and accessories for recycling free of charge. All mobiles and accessories collected are dismantled and separated, with more than 93% of the materials in the phone being recovered. All of the mobile phones and accessories are recycled, rather than refurbished for reuse. MobileMuster is committed to engaging and educating Australia's youth. The MobileMuster learning modules gives teachers the opportunity to bring environmental and sustainability education programs to life for their students, teaching them about the environmental impact of mobile phones throughout the product life-cycle.

