

## LESSON 1 • KS1 • Y1 • SCIENCE, TECHNOLOGY, ENGINEERING & MATHS

This lesson introduces learners to the concept of waste, recycling and recyclable materials through storytelling and interactive activities. Children will learn what happens to our waste and how it harms the planet. By taking part in interactive sorting tasks and discussions, children will develop a basic understanding of waste materials and feel empowered to become Recycling Heroes both at school and home.

### SUMMARY

DATE	
GROUP / CLASS	
SUBJECT	

**Lesson Time**  
**50 mins**

### LEARNING OBJECTIVES

- Understand what waste is and the purpose of recycling
- Identify waste materials and talk about their properties
- Sort waste materials into the correct groups
- Understand that some materials can and some cannot be recycled at home

### RESOURCES

- J&B Recycling Presentation for KS1
- J&B Recycling 'Introduction to Recycling Superheroes' handout
- Clean, child-safe waste items (clean plastic bottles, egg cartons, cardboard box, scrap paper, clean yoghurt pots, empty crisp packets etc.)
- J&B Recycling 'Labels for Recycling Materials'
- Sorting trays, hula hoops or containers to sort waste
- Optional - Recycling themed activities (See handouts), colouring pens, pencils

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### LEARNING STRUCTURE

#### INTRODUCTION - SLIDESHOW (15 MINS)

- Slide presentation "Meet the Recycling Superheroes!"
- Slide 1 - What is waste? Encourage discussion around things we might throw in the bin
- Slide 2 & 3 - Discuss why waste is bad for the planet
- Slide 4 & 5 - Ask "What can we do with unwanted items instead of throwing them away?" Encourage discussion around donating to charity, parents selling old items, upcycling etc.
- Slides 6 & 7 - Introduce recycling superheroes - **supporting handout**
- Slide 8 & 9 - Using clean waste items such as plastic bottles, empty egg cartons and yoghurt pots to support the slides, introduce materials and encourage children to feel and look at materials. Discuss their properties and words to describe the objects (slide 9)
- Slide 10 - Discuss materials that cannot be recycled at home.

#### SORTING ACTIVITY (15 MINS)

- Divide the class into small groups.
- Give each group a mix of clean, child-safe waste items (listed in resources on page 1) and ask them to sort the materials into the correct trays, hoops or containers.
- Encourage teamwork and discussion about what the materials have in common and words to describe them.

#### DISCUSSION & LEARNING (10 MINS)

- Gather the class and review their sorting decisions.

#### FUN ACTIVITIES (10 MINS)

- Give the children the J&B Recycling recycling themed activities such as colouring in, spot the difference and matching activity

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### TEACHER'S NOTES

#### KEY POINTS TO COMMUNICATE

- Recycling is good for our planet
- Objects should be recycled with similar materials
- We should recycle the correct materials at home

#### EXTENDED LEARNING

- Ask children to draw their own recycling superhero and give them super powers that help the planet.
- Recycled art - make a collage from scrap materials such as cereal boxes, egg boxes, age-appropriate magazines, used wrapping paper, old greetings cards
- Nature walk and litter picking - Take the class on a litter pick around the school grounds. Talk about why litter picking helps wildlife and encourage children to separate materials into labelled bags

#### FURTHER RESOURCES

- J&B Recycling has school Litter Picking Kits available to hire each term. Find out more on our website: **[www.jbrecycling.co.uk/schools](http://www.jbrecycling.co.uk/schools)**
- J&B Recycling can also visit your school to talk to share our knowledge about waste and recycling, please contact us to arrange a visit.