



Lesson 1 – Where does our waste go?

Lesson Plan

Delivered by:	Class teacher
Year groups	5 and 6
Session length	90 mins

Curriculum links:
Science Maths Art & Design PSHE
See Teacher Overview for detailed links

Learning objectives covered	<p>The session will introduce what happens to waste.</p> <p>By the end of the session, the students will:</p> <ul style="list-style-type: none">• Understand what happens to our waste• Understand the importance of disposing of items correctly• Be able to identify items that can be Refused, Reduced, Reused or Recycled and know about the 4 Rs waste hierarchy
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Introduction film

Activity	Activity brief	Teacher activity	Resources and notes
Where does our rubbish go?	Video looks at this	Have PowerPoint ready to view or print out sheet to put on wall	PowerPoint or print-out from information sheet can be used to refer back to this
Importance of disposing of rubbish correctly and impact on the environment	Video looks at this		
Waste hierarchy	Video looks at this	Have PowerPoint ready to view or print out sheet to put on wall, or make an extra-large one with the students to put up on the wall	PowerPoint or print-out from information sheet can be used to refer back to this
Intro to 4Rs: Reduce → Refuse Reuse Recycle	Video looks at this	Have PowerPoint ready to view or print out sheet to put on wall, or make an extra-large one with the students to put up on the wall	PowerPoint or print out from information sheet can be used to refer back to this
Four Rs	Answer questions in the workbook	Students might need to look at video again to get the answers	Rubbish Rebels Action Pack

Recycling

Activity	Activity brief	Teacher activity	Resources & notes
Discussion - What can we recycle?	Types, compost, food waste, plastic, paper, can, tin, etc.	Discussion with class	Talk about what they think can be recycled in their area
Area-specific information	Providing information about recycling in your district	Check what's recycled in your district: www.recycleforcumbria.org/recycling/wheredoyoulive.asp	Find your area on the Recycle for Cumbria website and check exactly what you can recycle, to prepare for the first activity
Recycling sorting activity for correct bin types	<p>Class activity:</p> <p>Arrange cards into correct recycling bin (or waste bin), following the rules for your area</p> <p>Write 3 things they have correctly sorted into their Rubbish Rebels Action Pack</p>	Print and cut up activity cards and label bins to replicate your district's recycling bins	Copy of activity brief and resources: Resource 1.1, 1.2 and 1.3.
Waste sorting activity, timeline	Working in small groups – each group has a pack of cards to sort	<p>Print and cut up activity cards</p> <p>Print teachers' timeline cards</p>	<p>Copy of activity brief and teachers' cards (Resource 1.4)</p> <p>Printed copy of</p>

			timeline cards (Resource 1.5)
What do you recycle at school?	Investigate and work out if you could do more	Discussion: Think about ways to improve	Could the school do more (e.g. recycle bins around school)?

Reducing our rubbish

Activity	Activity brief	Teacher activity	Resources and notes
Lunchbox waste challenge	Small groups talk about and list the items you might have in a picnic and record in Rubbish Rebels Action Pack. Then talk about how the items are packaged and how you could reduce the waste in your picnic.	Use the Rubbish Rebels Action Pack to make notes	Sample pictures of picnic with lots of rubbish and then one with little rubbish See photos in the PowerPoint
Refusing	Talk to the class about being a critical consumer when they go shopping. Get the class to think about which products don't really need packaging.	It would be worth noting which shops locally allow you to bring your own tub to buy fresh meat and fresh fish. Prompt a discussion about refusing a straw in drinks from takeaways.	Photos in PowerPoint

Alternative product swop so it reduces waste	This can be used as a group activity or a discussion. Can they think of any other examples after looking at PowerPoint? Write into Rubbish Rebels Action Pack.	Pictures on PowerPoint	Examples of product swaps Maths calculation on juice bottles Homemade jelly, put into containers
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Reuse

Activity	Activity brief	Teacher activity	Resources and notes
What can we reuse?	Using materials repeatedly	e.g. water bottles (material reused to make more bottles)	
What items can we reuse?	Examples of items and materials we can re-use over and over again	Discussion: Some simple items are reusable drink bottles and a lunch box	PowerPoint has several items that have been made out of recycled material
What can they do next?	Discuss what they could do at home/school?	Set some targets	E.g. Could you halve your waste in the class room?
Why it is important to dispose of waste correctly?	Refer back to Action Pack, which students should have filled in		
Waste hierarchy	Ask the class about its order and recap		Waste hierarchy included as PDF for ease of printing, and also in PowerPoint
Key things to remember	Reduce Reuse Recycle	Most popular	Waste hierarchy included as PDF for ease of printing, and also in PowerPoint

Homework

Below are three homework ideas. You can decide how to use them.

Activity	Activity brief	Teacher activity	Resources and notes
Reduce	Look at products around your house and find alternatives when you next go shopping or look online		Use a recording sheet or take photos to show Email or take a memory stick to school to show class
Reuse	Get creative and imaginative Sort through old items at home that are no longer used or have been thrown out and find new uses for them		Students to record the change of usage Bring item in or take a photo or sketch it
Recycle	Produce a poster to identify what can and can't be recycled	Questions to ask them: Check at home what you recycle. Is it all correct? Could you be recycling more?	Use old magazines to help illustrate, draw pictures or use the computer

Silver Award Activity

Activity	Activity brief	Teacher activity	Resources and notes
Run a morning assembly	All about waste and the 4 Rs to share the information and encourage everyone else to help reduce waste		See sheet: Gold Award - Waste Audit Use the information from lesson to help put together a morning assembly with the students

Gold Award Activity

Activity	Activity brief	Teacher activity	Resources and notes
Run a Rubbish Rebels waste reduction competition throughout the whole school	This will involve all classrooms and departments like the kitchen, office, staff room and any other departments you have		See sheet: Silver Award – Assembly