

Nome of consist	Earth Care			
Name of session	Level: Key stage 2	Length of session: 2 hrs (half day)	Available at: Sutton Ecology centre & at your school	
Curriculum Links				
Science Properties and changes of materials Explain that some changes result in the formation of new materials and that this kind of change is not usually reversible. Design and Technology				
Make Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.				
<u>Geography</u> The impact humans have had, and will have in the future, on the local and global environment. This topic can link to the finite nature of many resources, the impact of mineral extraction and energy production				
Previous knowled To understand that	ge expected from students It materials are made from		cle, Landfill, materials,	
different sources a Learning objective		resources, paper, glas	s, plastic, metal, compost	
To learn that everyday objects are made from different materials and which resources materials are made from: paper and cardboard from trees; plastic from oil; metal from metal ore; glass from sand To learn that we don't have to throw rubbish in the bin, it can be Recycled, Re-used or Reduced, and what each of these terms means. To be able to distinguish which materials can be recycled and which can't. To learn that materials can be changed and recycled into new things, such as recycling paper. To understand how composting works as a type of recycling and how this compares to what happens in a landfill site. To be able to use appropriate materials to make model form 'junk'. Outcomes Pupils will be able to suggest alternatives to throwing rubbish in the bin, i.e. recycle it, re-use it or not use it in the first place.				
Pupils will have sorted everyday objects into what can and cannot be recycled. Pupils will have observed how composting works and placed everyday objects on a degrading timeline in relation to a landfill site. Pupils will all make a piece of recycled paper from paper pulp. Pupils will have selected appropriate junk materials and made a model of a recycling robot or a minibeast.				
Introduction (20 mins) Welcome, and introductions. Talking Rubbish: looking at some everyday objects we throw away, what materials are they made from and which resources do they come from. What will happen eventually, if we keep using all our resources? This leads on to a discussion of the three R's: Reduce, Reuse and Recycle. Main Activities				
	ent Activity			
15mins Recy	cling Relay Race Game ms, pupils sort a bag of rubb	ish into what can and canno	t be recycled at home/the	
	re's Recycling o the compost bays at the Ec ens.	cology Centre and discoverin	ig how composting	
15mins Degra	ading Timeline			



	What happens to rubbish that isn't recycled? It goes into Landfill sites. Pupils are shown a pictre of a landfill site. Then some pictures of everday objects that end up in the landfill site. They have to place these on a timeline from a few weeks to a million ware on the bar length that they take to degrade in the landfill site.		
	million years as to how loing they think they take to degrage in the landfill site.		
45mins	Paper making		
45111115	Using paper pulp and paper making equipment, each pupil makes a piece of recycled paper to take back to school to dry.		
	Junk modelling		
	Using a variety of different junk, pupils can choose to make a 'recycling robot' or 'invent a minibeast'.		
Plenary (15mins)		
What can	we do at home or school? Is anyone going to do anything different?		
Wash han	ds and prepare to leave.		
Extension			
Improving	y your junk model.		
D			
	e preparation work suggestions		
	homework suggestion: find out three reasons why it is important to recycle (ask adults at		
	deas) - draw 5 items that go in to the rubbish bin and 5 items that can be recycled. This		
	he teacher with information on what they already know. Also, collect junk to make a class		
	remind the children to recycle. ork (post course) suggestions		
	d create a 3 R's poster for school.		
	local recycling plant/ landfill site.		
	e audit at school, weigh what is thrown away, and how much could be recycled?		
	al letters: thank you letters, which activities did you like, which did you not?		
	each others junk models.		
	es (field sites and wet weather)		
	on is not translatable inside, and therefore will go ahead in wet weather.		
	uction and plenary can be done inside if the weather is wet or too cold/windy.		
The sessi	on will be cancelled only due to severe weather warning such as flooding, high winds and		
stormy we			
	ities for evaluation		
	valuation: Photograph pupils in action for evidence, observation throughout the session,		
	derstanding post session through activities and questioning. By providing appropriate level		
	ild ration to ensure pupils are kept 'on task'.		
	aluation: The session leader will assess progress throughout the day by open ended		
	ng and plenary session. Through observation, the session leader will ensure that all pupils ed in learning and complete the tasks required.		
Resource			
	Selection of everyday objects. Recycling relay Race game: bins, bags of clean rubbish		
	heline, picture of landfill, picture of objects in landfill		
	Paper pulp, paper-making frames, j-cloths, sponges, labels, pencils.		
	of junk for junk modelling, scissors, string, glue.		
Key H&S			
	ology Centre provide one Education Officer for your group. Schools must provide a suitable		
number of adults to ensure pupils safety and engagement in the tasks.			
Dress and prepare for the outdoors. Long trousers due to tall grass, brambles and nettles.			
	ootwear in all weather conditions.		
	ofs in wet weather. Sunhats, suntan lotion and water bottles in hot sunny weather.		
All pupils and teachers should wash their hands prior to leaving the site or eating.			
	should arrange a pre-visit to discuss specific health & safety requirements to generate their		
	ssessments.		
Course lea	aders: Site check and dangerous litter pick. Health & Safety talks when appropriate.		