



## Key Stage 1 and 2 Paper Making Workshop

### Somerset Waste Action Programme

<p><b><i>Please Note: The activities included in a Paper-making workshop may vary depending on your School's specific circumstances and the Waste Action Officer attending. When you book your workshop we will discuss your needs with you.</i></b></p>	
<p><b>Pre-workshop preparation to set up paper-making equipment: 15-20 minutes</b>  <b>Workshop duration: 1.5 – 2 hours depending on class size and ability</b></p>	
<p><b>National Curriculum Links:</b>          Science- Sc3 Materials and their properties          Geography- Knowledge and understanding of environmental change and sustainable development: 5a + b          English- En1 Speaking and listening          Citizenship- Preparing to play an active role as citizens 2 g          Design and Technology          Art and Design</p>	
<p><b>Links to DCSF/ QCA Schemes of work:</b>          Science – 1C Sorting materials, 2D Grouping and changing materials, 3C Characteristics of materials.          Geography- Unit 8 Improving the Environment          Literacy Strands: Speaking, Listening and Responding</p>	
<p><b>Objectives of the workshop:</b></p> <ul style="list-style-type: none"> <li>• To understand what happens to things that we throw away and the environmental impact of this.</li> <li>• To introduce the concept of the 3 Rs (reduce, reuse and recycle) as sustainable alternatives to waste disposal.</li> <li>• To understand why it is important to recycle paper.</li> <li>• To identify the processes involved in recycling paper.</li> </ul>	
<p><b>Common Difficulties, errors and misconceptions:</b></p> <ul style="list-style-type: none"> <li>• That all refuse gets recycled.</li> <li>• That all paper is made from recycled paper.</li> <li>• Confusion over what can be recycled in kerbside boxes at home.</li> </ul>	
<p><b>Assessment Criteria:</b>          What have we done today? Why is important to recycle paper?</p>	
<p><b>Vocabulary:</b>          Reduce, re-use, recycle, landfill, pulp, paper, paper mill, rubbish, waste, sieve.</p>	
<p><b>Resources to be provided by school:</b>          Cereal boxes (at least 1 between 2 children), newspaper, magazines or scrap paper, sink, wet area, drying rack, scissors, glue sticks, pencils.</p>	<p><b>Resources to be provided by SWAP:</b>          Flashcards or PowerPoint presentation, paper making equipment: washing up bowls; J-cloths; table covers; fleece/ towels; sponges; mini sieves; paper pulp; poster paint; glitter. Outline pictures for jigsaw- making, jigsaw example, templates for envelope-making, products made from rubbish for 'what's it made of?' game, Pictures for paper-making trails (recycled paper and paper made from trees).</p>
<p><b>Strategies:</b>  <b>Introduction:</b>          Focussing on waste paper, use a variety of images (PowerPoint presentation or flashcards) to introduce and discuss the issue of waste disposal. Discuss sustainable alternatives to land-filling rubbish (reduce, reuse, recycle), using paper products as specific examples. Talk through the processes involved in recycling paper on an industrial scale and discuss the benefits of doing this.</p>	

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#### **Development:**

Split class into groups to work round a 'Carousel' of activities with a paper/ recycling theme. Depending on the timings of the workshop, class size and pupil ability, activities may include:

**1. Paper-making (15-20 minutes per group):**

SWAP officer works with 6-8 children at a time to help them create their own piece of recycled paper, using pre-pulped scrap paper from the SWAP office!

**2. Jigsaw- making (20-30 minutes):**

Children use their old cereal boxes to create a fun jigsaw. SWAP will provide recycling-themed colouring sheets for children to colour, stick to the cereal box and then cut into jigsaw pieces. Older groups may want to create their own designs for their 3Rs jigsaws.

**3. Envelope making (10-15 minutes)**

Using scrap paper and templates provided by SWAP, children make an envelope to keep their jigsaw pieces in.

**4. What's it made of? Game (10-15minutes)**

Children investigate a variety of products made from waste materials and match them with images of what they think they are made of.

**5. Paper trail stories (10-15 minutes)**

Children tell the 'stories' of recycled paper and paper made from trees, through unscrambling images and captions and putting them in the correct order.

#### **Plenary:**

What have we learnt about paper? Which of the 3 Rs have we done today? How can we recycle and re-use paper at school?