

Planning: Materials Trail

Year Group: 1/2

Activity	Learning Objectives	Main Teaching Activity	Differentiation	Key Vocabulary and Resources
<p>Materials Trail</p> <p>Relevant to all seasons/months throughout year</p> <p>Approximate time taken – 25 minutes</p>	<ul style="list-style-type: none"> • To observe and follow a marked route. • To understand materials have different properties and show how they know. • Describe different materials and their properties. • To group/sort materials according to criteria. • To identify natural and man-made materials. <p style="text-align: center;">Learning Outcomes</p> <ul style="list-style-type: none"> • Children can read and follow a simple map. • Children can name common types of material and recognise that some are found naturally. • Children can describe the textures of materials. 	<p>For this activity you may wish to use mixed ability groups/partners.</p> <p>Remind children to respect wildlife in the area by not damaging trees or plants. You may wish to look at and discuss the different materials and their properties on the materials card before you begin.</p> <p>Each child works in a small group or in partners with an adult. Each group will have a map showing the materials trail around Kingswood. The group follow the numbers on their map and at each stop the children are asked questions about the materials they can see or feel (teachers will be given a list of materials and prompts for questions). The children can also use a set of materials cards to identify materials on the trail and think about whether they are natural or man-made. Discuss with children what makes the materials unique and discuss properties of the materials.</p> <p>The trail starts at the back of the Kingswood site and goes in an anti-clockwise direction. You may wish to record children's responses for as a link to your Science topic for Assessment for Learning (AfL).</p> <p>Children can collect different materials as they explore and as they finish they can have a go at sorting the objects into groups according to different criteria.</p>	<p>Higher ability children: Children could record the different materials they identify and name their properties as well as stating whether the materials are natural or man-made giving reasons for this.</p> <p>Middle ability children: recognise and name common types of material and recognise that some of them are found naturally giving reasons for their answers.</p> <p>Lower ability children: use their senses to explore and recognise similarities and differences between materials.</p>	<p>Vocabulary:</p> <p>Material Natural Man-made Properties</p> <p>Resources:</p> <p>Map Material Card Recording Sheets</p>