

# Session Outline

## KS2 Rocks and Soils

**National Curriculum links:** KS2 Year 3: programme of study – Working scientifically Sc3/1, Rocks Sc 3/3.1a,c

Learning objectives	Session structure	Assessment for learning
<p>Identify what a soil is made from.</p> <p>Investigate the properties of soil.</p> <p>Understand why soil is important.</p>	<p><b>Introduction</b>            What is soil and how is it created? We will start to consider what the different properties of soil are and how we might test these to investigate soil type. The children are introduced to their role as soil scientists for the session.</p> <p><b>Session Activities</b>            As scientists children will investigate soil in its natural setting in two different locations.</p> <p>The children will use soil testing equipment to compare the soils, looking at different properties and recording their findings. They will learn about the ingredients of soil and discover the importance of soil for plant and animal life.</p> <p><b>Summary</b>            Children will create a 'recipe' for making soil, identifying all the ingredients needed to create it.</p>	<p>We will use games and activities to encourage children to reflect on their learning and enjoyment of the day.</p> <p>Children will be given the opportunity to give feedback in a variety of ways.</p>
Before your visit	After your visit	Key vocabulary
<p>Use the PowerPoint presentation on the website to introduce the visit with your class.</p> <p>Explore the qualities of different rock types e.g. sand stone, granite, slate – looking at texture, strength, permeability.</p>	<p>Make a compost bottle and measure its development.</p> <p>Take part in our Wild Challenge  <a href="https://www.rspb.org.uk/fun-and-learning/for-teachers/schools-wild-challenge/">https://www.rspb.org.uk/fun-and-learning/for-teachers/schools-wild-challenge/</a></p>	<p>Names of different rocks and soils eg slate, chalk, granite, sand, clay.</p> <p>Words relating to rocks and soils eg rock, stone, texture</p>