

Session Outline

Wales KS2 Rocks and Soils

National Curriculum links: Communication: Search for, access and select relevant scientific information, from a range of sources.

The Sustainable earth; Study a comparison of the features and properties of some natural and manmade materials; Study how some materials are formed and produced

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>Introduction 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>Session activities As scientists, children will investigate soil in its natural setting in two different locations. 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>Plenary activity We will provide opportunities for children to reflect on and review their learning throughout the session using a combination of questioning techniques, physical activities, games and facilitated discussions.</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. sandstone, 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 https://www.rspb.org.uk/fun-and-learning/for-teachers/schools-wild-challenge/</p>	<p>Names of different rocks and soils e.g. slate, chalk, granite, sand, clay. Words relating to rocks and soils e.g. rock, stone, texture</p>