

Science - Year 3

Rocks – Block 3R

Rocks and Fossils

Session 3

Resource Pack



British Rock Survey

Thank you for agreeing to take part in this survey

<p>1. What is the local rock in your area?</p> <p>If you can, take photos of each building or structure</p>	<p>To help you answer this question look for old rocks used in buildings, bridges, walls etc. Old buildings are more likely to be made of the bedrock in your area.</p>	
	<p>Building/structure <i>e.g. church</i></p>	<p>Description of the rock (and the type of rock if you know it)</p>
<p>2. What different types of rock are used in the area and what jobs do they do?</p> <p>If you can, take photos of each type</p>	<p>Job <i>e.g. steps</i></p>	<p>Description of the rock (and the type of rock if you know it)</p>
<p>3. Are there any man-made rocks in the area and what jobs do they do?</p> <p>If you can, take photos of each type</p>	<p>Job</p>	<p>Name of man-made rock <i>e.g. brick</i></p>
<p>4. Are there any signs of rocks that are wearing away? (possibly because of wind, rain and frost or because of rubbing by feet over many years)</p>	<p>Describe the rock and its job (and the type of rock if you know it)</p>	

Session 3 Teachers' Notes

Role Play

This session involves a role play scenario aimed at giving the children a greater degree of engagement and purpose in the task of conducting a local rock survey. Early in the lesson tell the children about your friend (Dr Sarah Stone) who is a petrologist for the British Rock Society. Later in the lesson you will receive an urgent phone call from Dr Stone recruiting the children's help in conducting an important rock survey. In order to do this convincingly, it is suggested that you have an adult on standby just outside the classroom at an agreed time, with a portable or mobile phone. On hearing the cue, (clapping) the adult should enter the classroom saying something like:

There's a Dr Sarah Stone on the phone needing to talk to you urgently – sorry everyone – but I think this is really important!

Look worried and apologise to the children for the interruption before taking the phone and role playing a conversation in which Sarah is explaining that she needs the children's help. Something like this (allowing several seconds to elapse between each);

HelloSarah?

Oh no! That's terrible.

Yes..... Yes I see.

Well, yes..... yes they are.

I don't know..... I'll have to ask them.

Okay..... Okay, well if the children agree.....

Right Yes I'll ask them now..... Bye then.

Explain that Dr Stone is asking for our help and that she is emailing a message to us with details of the task. Show the Task PowerPoint.

Once the children have agreed to help and the PowerPoint presentation is over, send a child to collect the survey sheets from an agreed adult (e.g. at the school office) who has been briefed by you. This will add authenticity to the task – Dr Sarah has just emailed them through to the office!

Offsite Rock Survey

Before the session you will need to have made preparations to take the children offsite according to your school's offsite policy and completed a risk assessment if necessary. If you are unable to go offsite for this session, you could gather evidence using photographs of buildings and structures from your local area instead.