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| <p>Symmetry</p>   | <p>This week we are looking at symmetry in maths and we will make links to science, art and nature. The first group of activities are based on our maths resources. The second group make links to symmetry in nature and outdoor learning. The third group explores rotational symmetry and there is an art project you make want to do (you don't have to do the sheet if it's too difficult – just enjoy exploring rotational symmetry using the art project). You should do at least one of the activities from the first group (they get progressively more challenging) then the others are up to you!</p>  |
| <p>I can recognise and complete symmetrical patterns and shapes</p> | <p>Watch this video about symmetry <a href="https://www.youtube.com/watch?v=YFzktJNmnPU">https://www.youtube.com/watch?v=YFzktJNmnPU</a></p> <p>Complete your chosen worksheets/pages – it is helpful to have a mirror to check your answers if you have a small one at home.</p> <p>Symmetry shapes 1 (you will probably have to print this sheet)<br/> Symmetry shapes 2 (can be completed in a jotter)<br/> Symmetry shapes 3 (copy and complete in your jotter)<br/> Patterns 1 (can be completed in a jotter)<br/> 2 lines of symmetry patterns (more challenging – can be completed in a jotter)</p> <p>You could follow this up by creating your own symmetrical patterns/shapes in your jotter or using lego, bricks, playdough, beans or rice from the kitchen or any other materials you have lying around the house. Your creations could have 1, 2 ... or more lines of symmetry if you like a challenge!</p> <p><b>Upload any of this work to the maths assignments.</b></p> <p>I have also set a challenge on Sumdog – it is called 'Lines of Symmetry'. you get a reward if you complete it!</p> |

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| <p>I can explore symmetry in nature</p> <p>I can explore symmetry outdoors</p>   | <p>Watch this video about symmetry and science (it introduces you to lots of different types of symmetry and explains why this is important in biology) <a href="https://www.youtube.com/watch?v=xtD1DGNZzXk">https://www.youtube.com/watch?v=xtD1DGNZzXk</a></p> <p>You could draw some pictures of plants/creatures and label which types of symmetry they have.</p> <p><u>Outdoor Learning Activities</u></p> <p>Next time you are on a walk or out in the garden, look for symmetry in plants, flower, buildings, creatures and think about why they have these symmetrical features. You could take photos of these and post in the <b>maths channel</b> to ask what types of symmetry other people can see.</p> <p>You could record what you see using the <b>Symmetry Record sheet</b>.</p> <p>There are other activities you can do in your garden:</p> <p><b>Outdoor symmetry 1</b><br/><b>Outdoor symmetry 2</b></p> <p><u>Post these in the maths channel if you make a creation outside</u></p> |
| <p>I can identify and create rotational symmetry</p> <p>(The worksheet is challenging – but the art project is fun!)</p> | <p>Watch this video about rotational symmetry <a href="https://www.youtube.com/watch?v=s4tS-ZmpJfw">https://www.youtube.com/watch?v=s4tS-ZmpJfw</a></p> <p>Complete the sheet on <b>rotational symmetry</b> The answers are at the end of the sheet – there are some tricky</p> <p>Watch this video and complete the <b>ART project</b> – <b>post this in either the maths channel or the art channel!</b></p> <p><a href="https://www.youtube.com/watch?v=xtD1DGNZzXk">https://www.youtube.com/watch?v=xtD1DGNZzXk</a></p>   |