



Learning Outcomes Pupils will:	Learning Activities Pupils will:	Teaching & Learning Approaches, Organisation/Timing	Resources	Assessment
<ul style="list-style-type: none"> Identify symmetry in the playground Create patterns of symmetry <p><i>Symmetry is when one shape becomes exactly like another if you flip, slide or turn it.</i></p> <p><i>Reflection symmetry is as you see in a mirror, and in rotational symmetry the image is rotated (around a central point) so that it appears 2 or more times. The number of times is the order.</i></p>	<p>Introduction: Start by going outside and creating a 2D shape. Highlight the properties of the shape, ie the number of sides, parallel lines, angles etc</p> <p>Lay down a rope to identify the line of symmetry within the shape. Discuss reflection symmetry and rotational symmetry. Move the children around to make symmetrical images.</p> <p>Development: In groups of 5 or 6 they need to identify any reflection or rotation symmetry in the playground. This should be recorded on the sheet. Bring them back together as a group, they can use the natural materials to create their own pictures of symmetry. Using a stick to indicate the line of symmetry. This should be done individually. If time is available then they can have a go at creating a rotational picture. Using the plates and natural materials such as leaves etc.</p> <p>Conclusion: In groups of 4/6 can they create a large reflection symmetrical picture using materials around them. Recap on the key teaching points. Use the plickers cards to ask three questions; 1 is this a symmetrical image? 2 Is this the correct line of symmetry 3. How many orders is in this rotational symmetry image?</p> <p>Extension Using clay the pupils can add natural materials to create symmetrical pictures.</p>	<p>10 minutes Whole class Active learning, collaboration</p> <p>10 minutes Whole group Active learning, discussion, collaboration</p> <p>10 minutes individual work, thinking, reflecting</p> <p>10 minutes Active learning, pupil led learning</p>	<p>Plicker app loaded on phone/ipad</p> <p>Ropes</p> <p>Shells, sticks, stones</p>	<p>Focus</p> <ol style="list-style-type: none"> Is this a symmetrical image? Is this the correct line of symmetry How many orders is in this rotational symmetry image? <p>Method/s Plickers.com app – do three questions</p> <p>Assessor/s Class teacher</p> <p>Pupils All</p>

