



Learning Outcomes Pupils will:	Learning Activities Pupils will:	Teaching & Learning Approaches, Organisation/Timing	Resources	Assessment
<p>Illustrate the lines of symmetry for a range of 2D/3D shapes and apply their understanding to create and complete symmetrical pictures.</p> <p><i>Symmetry is when one shape becomes exactly like another if you flip, slide or turn it. 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: Ask the children to get into a square. Then add in rope to create lines of symmetry. Show them this is reflectional symmetry.</p> <p>Development: Split them into twos. They should then collect sticks, stones and shells from the resource piles. They need to take it in turns to create a reflective image on either side of the rope/playground lines. The images should be symmetrical. Each child should have two turns before letting all the pairs move around all of the different images to see if they think they are correct.</p> <p>Bring them all back together. Demonstrate rotational symmetry by putting the children in lines around a point. Ensure they are symmetrical with arm movement, direction they are facing etc.</p> <p>In sets of 3/4 give them a hoop and ask them to create a rotational image inside the hoop.</p> <p>Conclusion: Using sticks can they identify the lines of reflectional symmetry in both natural and manmade items.</p>	<p>5/10 minutes Whole class Active learning, collaboration</p> <p>15 minutes Whole group Active learning, peer support, paired working</p> <p>15 minutes Active learning, collaboration</p>	<p>Ropes</p> <p>Shells, sticks, stones</p> <p>8 hoops</p>	<p>Focus Able to create reflective symmetrical images.</p> <p>Method/s Photographs</p> <p>Assessor/s Class teacher</p> <p>Pupils All</p>