



Activity Idea

Activity	3D shapes
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Possibilities for maths learning	<input type="checkbox"/> Counting	<input type="checkbox"/> Composition	<input type="checkbox"/> Cardinality
	<input type="checkbox"/> Subitise	<input checked="" type="checkbox"/> Comparison	<input type="checkbox"/> Measure
	<input checked="" type="checkbox"/> Shape	<input type="checkbox"/> Pattern	<input checked="" type="checkbox"/> Spatial awareness

Resources	<ul style="list-style-type: none"> ➤ Playdough ➤ Poster (see below) ➤ Objects that resemble 3-D objects or are 3-D objects ➤ Chart paper divided up into the different shapes ➤ Music
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Activity Outline	<p>Introduce all of the shapes to the children. Use the poster to help you introduce each of the shapes.</p> <p>Ask the children to describe the characteristics of each of the shapes, for example corners, points. Write down what they say on the chart paper. Point out the characteristics of the 3-D shapes that make them different from the 2-D shapes.</p> <p>Here are some notes to help you; 3-dimensional: A shape having three dimensions (length, width and height) Cone: A solid shape with a circular base and a curved surface that tapers to a point Sphere: A ball. A three-dimensional solid that is perfectly round Prism: A solid three-dimensional shape with two identical bases Cylinder: A solid shape with one curved surface and two identical bases Cube: A solid shape that has six square faces all equal in size, eight vertices and 12 equal edges.</p> <p>Have the children gather in a circle and pass one of the shapes from one child to the next while the music plays. The player who is holding the shape when the music stops has to identify one characteristic of the shape. The game continues until all of the characteristics of all six shapes have been named.</p> <p>After playing the game, give the children some playdough to construct different 3-D shapes.</p>
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Extension Opportunities

- ✓ Have the children close their eyes while passing around the shape. When the music stops, the children will use their sense of touch to figure out the shape. If they are having difficulty, allow the other children in the circle to give them hints.

