

Science - Year 5

Earth and Space – Block 5ES

Space Presenters

Session 3

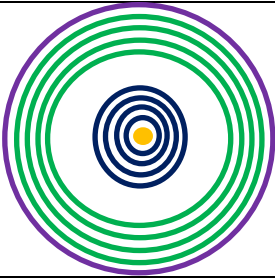
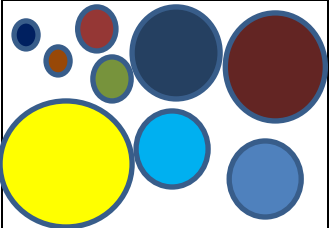
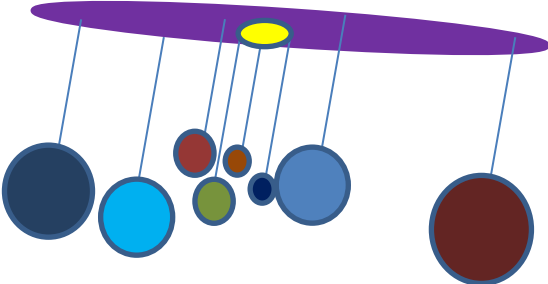
Resource pack

Instructions for making an orrery

Equipment

- A round piece of cardboard about 30cm in diameter
- Thick coloured card
- Scissors
- Sticky tape
- String or wool
- Paints and paintbrushes
- A geometry compass

Instructions

	<p>1. Mark the centre of the card circle and use the compass to draw the 'orbits' of the eight planets. Make sure that the first four planets are towards the centre (the sun) then ensure you have a gap (asteroid belt) before drawing the four outer orbits towards the edge of the circle.</p>
	<p>2. Punch a hole on each orbit (this is where you will hang your planets) and one at the centre of the circle for the sun. Check online where the planets currently are positioned if you like and try to replicate this with our holes (http://www.theplanetstoday.com/)</p>
	<p>3. Create your Sun and each of the planets by cutting out the coloured card ensuring they are all relatively sized to one another - they won't be to scale as this is not possible. Paint the planets according to their appearance, think back to your planet painting during the last session.</p>
	<p>4. Label each planet decoratively, then make a small hole toward the top of each. Tie string or wool through this hole then attach you planets to their correct 'orbit'</p>
	<p>5. Tie string to the top of the card circle so that you can hang your orrery.</p>

Milky Way images





Stonehenge

