


	Learning objective	Main teaching	Activity	Resources	Vocabulary
Science	LO Use my knowledge of reflection to place mirrors to make light follow a path	<p>In school: Follow smart</p> <p>Mirrors Mirrors are flat, highly reflective surfaces which can be used to change the path of light in a predictable way. Mirrors are commonly used around the home so that the user can see themselves. They are also used in cars and other vehicles so that the driver can see in different directions without turning their head. Mirrors are also used for other applications, such as telescopes.</p> <p>We can use our Maths skills to calculate the path a ray of light will take when it hits a mirror. An example is shown below.</p> <p>The 'normal' (imaginary line perpendicular to mirror)</p> <p>Angle of incidence Angle of reflection Incident ray (incoming ray) Reflected ray Mirror</p> <p>When a ray of light is reflected by a mirror, it does so in a predictable manner. The angle of incidence is always equal to the angle of reflection. We can use this knowledge to build telescopes, periscopes and other machines that use mirrors.</p> <p>If we place a mirror at a 45° angle to a ray of light, we can change its path by a right angle (90°).</p> <p>Mirror at 45° to incident ray Incident ray Ray reflected at 90°</p>	<p>Can you get the light from one point to another? (activity below) Remember: light cannot pass through the shaded (opaque) squares. Add mirror at 45 degrees to change the path of the light. Draw them using a ruler!</p> <p>E.G:</p> <p>Challenge: Using squared paper, create your own problem for a partner to complete using exactly 7 mirrors.</p>	<p>Mirrors</p> <p>SMART</p> <p>Squared paper</p> <p>Activity problems below</p>	<p>Ray</p> <p>Light</p> <p>Source</p> <p>Angle</p> <p>Mirror</p> <p>Incidence</p> <p>Opaque</p> <p>Reflective</p>
Geography	L.O. To Learn about the Commonwealth and how it was created.	<p>Share photos of things related to the commonwealth. E.g. colourful parades demonstrating different cultures, flags of countries which contain the Union Flag, the Games, political gatherings, the Queen with Commonwealth leaders or facing an adoring crowd, a map of commonwealth countries, the number 2 billion etc.</p> <p>Children discuss the photos, thinking about what they show and what links them together.</p>	<p>Use online or printed resources to find out more about the Commonwealth http://www.youngcommonwealth.org/ .</p> <p>Either each table could take an aspect of the commonwealth (e.g. Games, the British Empire, The Queen etc) or research could be general and guided through questions.</p> <p>Present and share findings.</p>	<p>Photos</p> <p>Computers /laptops</p> <p>Resources for children to record their research (e.g. sugar paper / plain paper / colouring pens)</p>	<p>Parliament</p> <p>Citizens</p> <p>Democracy</p> <p>Weal</p> <p>Free</p> <p>Association</p> <p>British</p> <p>Empire</p> <p>Population</p> <p>Charter</p> <p>Voluntary</p>
RE	LO to enquire into the idea that Tawhid is at the centre of the Muslim faith	<p>Ask children to draw a perfect circle free-hand. For Muslims, a perfect circle represents Allah, the true God. No-one is like him.</p>	<p>In school: As a class, complete turning towards the 1.</p> <p>In school AND At home:</p>	<p>Powerpoint (in school)</p> <p>Turning towards</p>	<p>Tawhid</p> <p>Muslim</p> <p>Allah</p> <p>Ummah</p> <p>Islam</p>

		<p>Show the children Surah al Ikhlas: He is Allah, the One and Only; Allah, the Eternal, Absolute; None is born of Him, nor is He born; And there is none like Him.</p> <p>Today we'll be looking at: How do Muslims use circles to show their belief in one God?</p>  <p>Tahwid is like a pebble or drop of water, which causes ripples. As every individual turns to Allah and follows Allah's commands, the impact ripples out, on them, their families, communities and the world.</p>	<p>Complete an activity from https://www.metmuseum.org/~media/Files/Learn/For%20Educators/Publications%20for%20Educators/Islamic Art and Geometric Design.pdf%20Activity%2011%20-%20part%202-%20Eight-Pointed%20Star</p>	<p>the 1 notes (in school)</p> <p>Met museum link</p>	<p>Represent Unity</p> <p>Recite Prayer</p>
PE	LO to demonstrate my rounders skills	Rounders tournament with Swaffham Bulbeck			
Music		With Mrs Andrews			