

<p><b>Topic:</b> Light</p>	<p><b>Title:</b> Can everything make a shadow?</p>
<p><b>Working Scientifically:</b> To gather and record data to answer questions</p>	<p><b>Knowledge learning:</b> To recognise that shadows are formed when the light from a light source is blocked by an opaque object.</p>
<p style="text-align: center;"><b><u>Activity</u></b></p> <p>Give the children with a collection of materials (object from around the house) to explore. Have a balance of transparent, translucent and opaque objects</p> <p>Ask the children to investigate which materials form shadows when a torch (or a light from a phone) is shone on them (colour, darkness, no shadow etc.)</p> <p>Get the children to record using a drawing (draw the object and how the shadow looks)</p>	
<p style="text-align: center;"><b><u>Extra Mile Challenge</u></b></p> <p>How would you group/order the materials you've investigated?          Are there other ways they could be grouped/ordered?</p>	
<p style="text-align: center;"><b><u>Key Questions for Parents/Carers</u></b></p> <ul style="list-style-type: none"> <li>▪ Where will you write down the materials you are testing?             <ul style="list-style-type: none"> <li>▪ How will you record what you have seen?</li> <li>▪ What would be a good heading for this column?                 <ul style="list-style-type: none"> <li>▪ Does this material form a good shadow?</li> </ul> </li> <li>▪ What do you notice about this material/shadow?</li> </ul> </li> <li>▪ Where have you recorded what happened with this material?</li> </ul>	