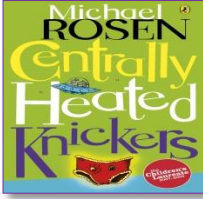


<p><b>Activity Idea</b></p> 	<p><b>Shadow Poem – Michael Rosen</b></p> <p>This poetry book <i>Centrally Heated Knickers</i> by Michael Rosen is a collection of excellent poems all about science in the everyday world that can be used to start a lesson off or as a piece of assessment in the plenary. The poems are most suitable for Key Stage two children although there are some that can be used for younger ages.</p>
<p><b>Outcome</b></p>	<p>Children will be able to make the link between the science they have carried out in the classroom to their everyday lives and have a deeper understanding of the underlying concepts.</p>
<p><b>Guidance</b></p> <p style="text-align: center;"><u><b>Shadow</b></u> ( kindly reproduced here with permission from Michael Rosen)</p> <p style="text-align: center;">Across my bedroom wall flapping its giant grey wings: a monster</p> <p style="text-align: center;">Across my bedroom lamp fluttering its small brown wings: a moth</p>	<ul style="list-style-type: none"> <li>• Read the poem, omitting the title, to the children.</li> <li>• Ask them to discuss what might be a happening.</li> <li>• Is there really a monster?</li> <li>• Why?</li> <li>• Tell them you will be hoping they can come up with a good title for the poem by the end of the lesson.</li> <li>• Send the children back to their tables and ask them to see if they can reproduce what is happening in the poem.</li> <li>• On each table have a variety of light sources, scissors, brown paper or material.</li> <li>• What will they need to do to produce the monster?</li> <li>• Once the children have had time to reproduce the monster bring them back to the carpet and ask them what they discovered.</li> <li>• Ask a child who may not be totally sure of what they discovered to demonstrate with a paper/material moth and a light source to show you what they discovered.</li> <li>• Ask the others why the shadow is bigger than the moth itself. How could they make it bigger or smaller?</li> <li>• Why is the shadow not brown?</li> <li>• Where else have they seen this happening?</li> <li>• Ask the children to have a go at making a puppet show using their hands where the shadows they create get bigger and smaller.</li> <li>• What would be a good title for this poem? Show them the title that Michael Rosen gave it .</li> </ul>
<p><b>Success Criteria</b></p>	<p>The children will know the relationship between the distance of the object to the light source and the size of the shadow and be able to explain this using a model.</p>
<p><b>Resources</b></p>	<p>Brown paper/material, light sources, scissors, lamp. Why not buy <i>Centrally Heated Knickers</i> by Michael Rosen to discover lots more great poems to add creativity to your science lessons?</p>