




ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: Science – Light

YEAR GROUP: 3

TERM Summer 2

<p><b>Vocabulary</b></p> <p>light source (natural and man-made), shadow, reflection, sun protection, mirror, surfaces, opaque, translucent, transparent,</p> <p><i>Enquiry skills:</i> classify, group, fair test, investigate, prediction, observe, record, results, table, measure, conclusion</p>	<p><b>Skills (key skills for the unit in bold)</b></p> <p><i>Enquiry skills:</i></p> <ul style="list-style-type: none"> <li>• <b>Designing a fair test.</b></li> <li>• Asking relevant questions.</li> <li>• <b>Observing outcomes over time.</b></li> <li>• Taking accurate measurements.</li> <li>• <b>Gather and record data accurately in a variety of ways. Interpreting data.</b></li> <li>• Characterising and identifying difference, similarities or changes.</li> <li>• <b>Drawing conclusions.</b></li> </ul>	<p><b>What we already know</b></p> <p>From previous learning at KS1 or personal interests outside of school, some children may know:</p> <ul style="list-style-type: none"> <li>• Light can come from the sun or from a device</li> <li>• Light is something that humans need to be healthy</li> <li>• Light comes from the sun</li> <li>• We have light and dark times during the day</li> <li>• Light from the sun can be dangerous</li> </ul> <p><u>KS1 – Knowledge</u></p> <ul style="list-style-type: none"> <li>• Y2/A2- Investigate textures/materials</li> <li>• Y2/Sp2 – Plants need light to stay healthy</li> </ul> <p><u>KS1 – Enquiry/working scientifically skills</u></p> <ul style="list-style-type: none"> <li>• Y2/A1 - Observing first-hand experiences</li> <li>• Y2/A2 – Identify and compare</li> </ul> <p><u>KS2 – Knowledge and Skills</u></p> <ul style="list-style-type: none"> <li>• Y3/A2 – Rocks – Differences between made man things and natural things</li> <li>• Y3/Su1 – Gather and record data</li> <li>• Y3/Su1 – Carry out a fair test</li> </ul>
<p><b>Other/Cross Curricular Links/Adaptation for SEND</b></p> <p>SEND Adaptations – word-banks, image-mats, mixed ability pairings, varying outcomes, adaptations for hypermobility</p> <p>Maths – Statistics – interpret and present data using bar charts, pictograms and tables</p>	<p><b>Application/ Outcomes</b></p> <ul style="list-style-type: none"> <li>• Recognise the difference between light and dark and why we cannot see in the dark.</li> <li>• Compare and explore different types of light sources (natural and man-made).</li> <li>• <b>Plan and carry out a fair test exploring what happens to shadows</b></li> <li>• Investigate what types of surfaces reflect light.</li> <li>• Explain why we need to protect ourselves from the sun and describe the different ways we can do this.</li> </ul> 	<p><b>Concepts</b></p> <ul style="list-style-type: none"> <li>• Light sources.</li> <li>• The difference between dark and light.</li> <li>• The importance of sun protection.</li> <li>• Reflection.</li> <li>• Shadow formation.</li> </ul>