



# St. Francis Xavier's RC Primary School

## Science Unit Guidance and Formative Assessment

<b>Year Group:</b>	3 Autumn 2	<b>Subject:</b>	Science
<b>Unit:</b>	Light	<b>Prerequisite Learning and Curriculum Links</b>	<p><b>EYFS ELG The Natural World</b> Explore the natural world around them, making observations; know some similarities and differences between the natural world around them and contrasting environments; understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p> <p><b>Curriculum Links in Year 3</b>  <b>Science:</b> Plants- plants need light as a condition of growth and life  <b>Parent Invitation:</b> To create a shadow puppet applying knowledge of light and dark</p>

<b>ROCKS (Remembering Our Curriculum Knowledge and Skills)</b>	
Recognise that they need light in order to see things and that dark is the absence of light	
Light can be reflected from a range of surfaces	
Understand that a shadow is formed when light is blocked by an opaque object and find patterns in the way the size of shadows change.	
Light from the Sun can be dangerous and how to protect our eyes from damage	
<b>Progressive Journey:</b>	<b>Skills:</b>
Sort objects into light sources and non-light sources Observe what we can see in different levels of darkness Experiment with which surfaces reflect the most light Visible spectrum and ultra-violet are different types of light Design own safety glasses which protect our eyes from harmful rays Explore length and size of shadow and how this is impacted by position of light source	Setting up simple practical enquiries using mirrors and torches Make systematic and careful observations Gathering, recording and presenting data in different ways Use scientific evidence and findings to explain understanding Plan own investigation, making predictions and drawing conclusions from results
<b>Key Vocabulary</b>	
Light source, darkness, reflection, fair test, results, conclusion, ultra violet rays, visible light spectrum, sun, shadow, transparent, translucent, opaque	