St. Francis Xavier's RC Primary School

Science Unit Guidance and Formative Assessment

Year Group:	**Year 6 Autumn Term 2**	**Subject:**	**Science**
Unit:	Light	**Prerequisite Learning and Curriculum Links**	**EYFS ELG The Natural World** 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. **Year 3** Light **Curriculum Links in Year 6** Mathematics Angles of incidence/Angles of reflection Literacy Writing a tv show script

ROCKS (Remembering Our Curriculum Knowledge and Skills)	
To understand how we see objects and other people	
To understand how light is reflected	
To understand what refraction is	
To understand how we see colours and how shadows are formed	
Progressive Journey:	**Skills:**
To explain that light travels in straight lines from light sources to our eyes and from light sources to objects and then to our eyes. To recognise that light appears to travel in straight lines by investigating the angles of incidence and reflection. To understand how a periscope works and how mirrors reflect light. To understand how refraction (light travelling through different objects at different speeds) changes the direction in which light travels. To investigate how we see colours and how a shadow has the same shape as the object that casts them.	To draw diagrams and make models to explain how light travels. To carry out an investigation and make notes on the direction of light and reflected light. To draw conclusions and prove the theory of reflection. To carry out investigations that show how refraction takes place when light travels through a glass of water. To record and explain results.
Key Vocabulary light rays angle incidence reflection opaque translucent transparent spectrum periscope shadow refraction particles	