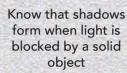
Science Knowledge Building



Know how to demonstrate that the sun creates heat Understand that there
is a link between the
time of day and length
of shadows, by
looking at findings

Know and understand the terms 'energy', 'sustainable', 'solar' and 'renewable' Know that there are different ways of producing electricity and that some are better for the environment than others

Know how to measure using metre sticks or tape measures (Maths)

Know that light levels change throughout the day and light is needed in order to see Know the importance of taking and recording measurements in science investigations

Know how to observe and record shadows throughout the day Know and understand the terms 'dark', 'light source', 'nocturnal' and 'shadow'

Know some ways in which we can save electricity

Know how to measure using non-standard units of measurement (Maths)

Identify simple processes and explain in basic terms how they happen

Know the key parts of a simple scientific method

Know how to use simple equipment in observing and recording Understand some vocabulary linked to specific area of science e.g. animals - species

Know that science is used in a range of everyday situations, both in and outside the classroom

Identify clear
connections
between science,
technology and
mathematics for basic
experimenting

Processes and Changes

Methods

Observing and Recording Scientific Vocabulary

Uses and Implications

Cross-Curricular (STEM)

Light Up the World