

Science Knowledge Building

Understand that numerous factors can affect or prevent change

Understand more complex scientific processes and know some factors that can affect change

Identify simple processes and explain in basic terms how they happen

Know that processes and changes occur

Processes and Change

Know what makes a good methodology and explain how adaptations can lead to improvements

Understand that methods are a key part of safe experimentation and have a secure knowledge of features

Know the key parts of a simple scientific method

Know that methods are necessary when experimenting

Methods

Identify, analyse and explain findings that support or dismiss theories or arguments

Know that clear observations and recordings support findings and prove theories

Know how to use simple equipment in observing and recording

Know that saying what you see is an important aspect of science

Observing and Recording

Science Knowledge Building

Know how to use a range of scientific vocabulary in various contexts

Know how scientific language learned relates to new science concepts and ideas

Understand some vocabulary linked to specific area of science e.g. animals - species

Understand some simple generic vocabulary linked to science e.g. experiment, record

Scientific Vocabulary

Know that science has implications for world issues and that it can be used for good or bad

Understand how science affects our lives and the implications its use has on them

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

Know when in everyday activities science is useful

Uses and Implications

Understand how their own STEM skills can benefit future science work in school and beyond

Understand that the links between science, technology, engineering and mathematics are key to many industries

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

Know that science links to other areas of learning

Cross-Curricular (STEM)