



Churchside Federation Scientific Knowledge Builder Golden Threads



Golden Threads	Process and change	Methods	Observing & Recording	Scientific vocabulary	Uses and implications	Cross-curricular (STEM)
	Understands that numerous factors can affect or prevent changes.	Knows what makes a good methodology and explains how adaptations can lead to improvements	Identify, analyse and explain findings that support or dismiss theories or arguments.	Know how to use a range of scientific vocabulary in various contexts.	Know that science has implication for world issues and that it can be used for bad and good.	Understand how their STEM skills can benefit future science work in school and beyond.
	Understand more complex scientific processes and know some factors that can affect change	Understand that methods are a key part of safe experimentation and have a secure knowledge of features.	Know that clear observations and recordings support findings and prove theories.	Know how scientific language learned relates to new science concepts and ideas.	Understands how science affects our lives and the implications its use has on them.	Understand that the links between science, technology and engineering and mathematics are key to many industries.
	Identify simple processes and explain in basic terms how they happen.	Know the key parts of a simple 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
	Know that processes and changes occur.	Know that methods are necessary when experimenting.	Know that saying what you see is an important aspect of science.	Understand some simple generic vocabulary linked to science e.g. experiment, record.	Know when in everyday activities science is useful.	Know that science links to other areas of learning .