

Threshold Concept	Milestone 0
<p>Work scientifically This concept involves learning the methodologies of the discipline of science.</p>	<p><u>Ask questions and plan an enquiry</u></p> <ul style="list-style-type: none"> • Ask simple questions.  <p><u>Set up an enquiry</u></p> <ul style="list-style-type: none"> • Perform simple tests.  <p><u>Observe and measure</u></p> <ul style="list-style-type: none"> • Observe closely, using simple equipment.  <p><u>Record</u></p> <ul style="list-style-type: none"> • Record findings (e.g. a drawing or meaningful mark making)  <p><u>Interpret and Report</u></p> <ul style="list-style-type: none"> • Use observations and ideas to suggest answers to questions. • Identify similarities, differences, patterns and change. 

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<u>Biology</u>	 <p>Understand plants This concept involves becoming familiar with different types of plants, their structure and reproduction.</p>	<ul style="list-style-type: none"> • Make simple observations of how plants grow over time. • Understand what plants need to grow.
	 <p>Understand animals and humans This concept involves becoming familiar with different types of animals, humans and the life processes they share.</p>	<ul style="list-style-type: none"> • Identify and name a variety of common animals. • Make simple observations of animals. • Identify and name the basic parts of the human body. • Eats a healthy range of foodstuffs and understands need for variety in food. • Shows some understanding that good practices with regard to exercise, eating, sleeping and hygiene can contribute to good health.
	 <p>Investigate living things This concept involves becoming familiar with a wider range of living things, including insects and understanding life processes.</p>	<ul style="list-style-type: none"> • Shows care and concern for living things. • Identify and name a variety of insects. • Notice similarities and differences between habitats.
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<p><u>Chemistry</u></p>	 <p>Investigate materials This concept involves becoming familiar with a range of materials, their properties, uses and how they may be altered or changed.</p>	<ul style="list-style-type: none"> • Notices similarities and differences between materials, including textures and uses. • Identify and name some everyday materials, such as wood, plastic, glass, metal, water and rock. • Explore how solids can melt and liquids can freeze.
<p><u>Physics</u></p>	 <p>Understand movement, forces and magnets This concept involves understanding what causes motion.</p>	<ul style="list-style-type: none"> • Notice and describe how things move, using simple comparisons such as faster and slower.
	 <p>Understand light and seeing This concept involves understanding how light and reflection affect sight.</p>	<ul style="list-style-type: none"> • Notice that we see with our eyes.
	 <p>Investigate sound and hearing This concept involves understanding how sound is produced, how it travels and how it is heard.</p>	<ul style="list-style-type: none"> • Notice that we hear with our ears. • Explores sound and how sound can be changed.



Understand the Earth's movement in space

This concept involves understanding what causes seasonal changes, day and night.

- Observe changes across the four seasons.
- Identify different types of weather.
- Notice changes between night and day.
- Name parts of our solar system, including Earth, the moon and the sun.