

Junior Primary	Middle Primary	Upper Primary
<p>The students will explore the properties of materials and relate them to how they are used for a particular purpose. This has direct application in understanding that all objects used in everyday life are made from either natural or processed materials.</p> <p>Through inquiry-based opportunities students will gain knowledge as they learn to <b>question and predict</b>, through identifying and constructing questions, proposing hypotheses and suggest possible outcomes.</p> <p>The below content descriptors and elaborators will be the emphasis in teaching Science:</p> <p>Objects are made of materials that have observable properties (ACSSU03)</p> <p>Everyday materials can be physically changed in a variety of ways (ACSSU018)</p> <p>Different materials can be combined for a particular purpose (ACSSU031)</p> <p>Explore how Aboriginal and Torres Strait Islander Peoples apply physical changes to natural materials to render them useful for purposes.</p>	<p>Students will have the opportunity to investigate how different materials can be combined for a particular purpose and explore the composition and behaviour of how solids and liquids respond to changes in temperature.</p> <p>Students will gain knowledge through inquiry-based opportunities to quantify their investigations as they learn to <b>question and predict</b>, through identifying and constructing questions, proposing hypotheses and suggest possible outcomes.</p> <p>The below content descriptors and elaborators will be the emphasis in teaching Science:</p> <p>A change of state between solid and liquid can be caused by adding or removing heat (ACSSU046)</p> <p>Predicting the effect of heat on different materials which can be combined for a particular purpose (ACSSU031)</p> <p>Natural and processed materials have a range of physical properties that can influence their use (ACSSU074)</p> <p>Exploring how changes from solid to liquid and liquid to solid can help us recycle materials.</p> <p>Investigating how changes of state in materials used by Aboriginal and Torres Strait Islander Peoples, such as beeswax or resins are important for their use.</p>	<p>Students will have the opportunity to investigate different mixtures and separation techniques. They will apply their understanding to their daily lives and consider how people in society utilise these. Students will explore the different properties of matter and identify the reversible and irreversible aspects.</p> <p>Through inquiry-based opportunities students will determine information as they learn to <b>question and predict</b>, through identifying and constructing questions, proposing hypotheses and suggest possible outcomes.</p> <p>The below content descriptors and elaborators will be the emphasis in teaching Science:</p> <p>Mixtures, including solutions, contain a combination of pure substances that can be separated using a range of techniques (ACSSU113)</p> <p>Recognising the differences between pure substances and mixtures and identifying examples of each.</p> <p>Solids, liquids, and gases have different observable properties and behave in different ways (ACSSU077)</p> <p>Changes to materials can be reversible or irreversible (ACSSU095)</p> <p>Investigating separation techniques used by Aboriginal and Torres Strait Islander Peoples, such as hand picking, sieving, winnowing, and threshing.</p>