



## Intermediate (4 – 6) – Science

	Big Ideas Include:	Curricular Competencies Include:	Content Includes:
4	<ul style="list-style-type: none"> <li>All living things sense and respond to their environment.</li> <li>The motions of Earth and the moon cause observable patterns that affect living and non-living systems.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate curiosity and a sense of wonder about the world</li> <li>Make observations about living and non-living things in the local environment</li> <li>Collect simple data</li> <li>Experience and interpret the local environment</li> <li>Identify First Peoples perspectives and knowledge as sources of information</li> <li>Express and reflect on personal or shared experiences of place</li> </ul>	<ul style="list-style-type: none"> <li>sensing and responding: humans, other animals, plants</li> <li>biomes as large regions with similar environmental features</li> <li>energy: has various forms, is conserved</li> <li>local changes caused by Earth’s axis, rotation, and orbit</li> <li>the effects of the relative positions of the sun, moon, and Earth including local First Peoples perspectives</li> </ul>
5	<ul style="list-style-type: none"> <li>Multicellular organisms have organ systems that enable them to survive and interact within their environment.</li> <li>Earth materials change as they move through the rock cycle and can be used as natural resources.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate a sustained curiosity about a scientific topic or problem of personal interest</li> <li>Make observations in familiar or unfamiliar contexts</li> <li>Experience and interpret the local environment</li> <li>Identify First Peoples perspectives and knowledge as sources of information</li> <li>Express and reflect on personal, shared, or others’ experiences of place</li> </ul>	<ul style="list-style-type: none"> <li>basic structures and functions of body systems</li> <li>solutions and solubility</li> <li>machines: constructed / found in nature</li> <li>the rock cycle</li> <li>local types of earth materials</li> <li>First Peoples concepts of interconnectedness in the environment</li> <li>the nature of sustainable practices around BC’s resources</li> <li>First Peoples knowledge of sustainable practices</li> </ul>
6	<ul style="list-style-type: none"> <li>Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.</li> <li>The solar system is part of the Milky Way, which is one of billions of galaxies.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate a sustained curiosity about a scientific topic or problem of personal interest</li> <li>Make observations in familiar or unfamiliar contexts</li> <li>Experience and interpret the local environment</li> <li>Identify First Peoples perspectives and knowledge as sources of information</li> <li>Express and reflect on personal, shared, or others’ experiences of place</li> </ul>	<ul style="list-style-type: none"> <li>the basic structures and functions of body systems</li> <li>mixtures: separated using a difference in component properties / local First Peoples knowledge of separation and extraction methods</li> <li>effects of balanced and unbalanced forces in daily physical activities</li> <li>force of gravity</li> <li>the overall scale, structure, and age of the universe</li> <li>the position, motion, and components of our solar system in our galaxy</li> </ul>