

# How will the new Science K-7 IRP changes impact the way you teach science?

- 1 Fewer topics per grade level to teach**
- 2 Several new topics with significantly more content to understand and communicate**
- 3 Critical need for new resources to support new IRP**

## Changes to the B.C. Science K-7 Curriculum

(BASED ON FINAL SCIENCE K-7 IRP, DECEMBER 2004)

GRADE	1995 IRP TOPICS	GRADE	PROCESSES AND SKILLS OF SCIENCE	NEW 2004 IRP TOPICS
K-1	<ul style="list-style-type: none"> <li>Plant and Animal Characteristics</li> <li>Plant and Animal Life Cycles</li> <li>Properties of Objects</li> <li>Forces and Motion</li> <li>Properties of Matter</li> <li>Changes</li> <li>Earth's Surface</li> <li>Weather and Seasons</li> </ul>	K	<ul style="list-style-type: none"> <li>Observing</li> <li>Communicating (sharing)</li> </ul>	<ul style="list-style-type: none"> <li>Characteristics of Living Things</li> <li>Properties of Objects and Materials</li> <li>Surroundings</li> </ul>
		1	<ul style="list-style-type: none"> <li>Communicating (recording)</li> <li>Classifying</li> </ul>	<ul style="list-style-type: none"> <li>Needs of Living Things</li> <li>Forces and Motion</li> <li>Daily and Seasonal Changes</li> </ul>
2-3	<ul style="list-style-type: none"> <li>Plants in the Environment</li> <li>Animals in the Environment</li> <li>Human Body – Hearing and Speech</li> <li>Magnetism</li> <li>Energy in our Lives</li> <li>Properties of Matter</li> <li>Sound</li> <li>Sky Above Us</li> <li>Earth's Composition</li> </ul>	2	<ul style="list-style-type: none"> <li>Interpreting Observations</li> <li>Making Inferences</li> </ul>	<ul style="list-style-type: none"> <li>Animal Growth and Changes</li> <li>Properties of Matter</li> <li>Air, Water, and Soil</li> </ul>
		3	<ul style="list-style-type: none"> <li>Questioning</li> <li>Measuring and Reporting</li> </ul>	<ul style="list-style-type: none"> <li>Plant Growth and Changes</li> <li>Materials and Structures</li> <li>Stars and Planets</li> </ul>
4	<ul style="list-style-type: none"> <li>Adaptation of Organisms</li> <li>Body Systems – Digestive, Skeletal, Muscular</li> <li>Simple Machines</li> <li>Electricity</li> <li>Water</li> </ul>	4	<ul style="list-style-type: none"> <li>Interpreting Data</li> <li>Predicting</li> </ul>	<ul style="list-style-type: none"> <li>Habitats and Communities</li> <li>Light and Sound</li> <li>Weather</li> </ul>
5	<ul style="list-style-type: none"> <li>B.C.'s Living Resources</li> <li>Body Systems – Respiratory, Circulatory, Sensory</li> <li>Materials in our World</li> <li>Light and Colour</li> <li>Atmosphere and Weather</li> <li>B.C.'s Non-Living Resources</li> </ul>	5	<ul style="list-style-type: none"> <li>Designing Experiments</li> <li>Fair Testing</li> </ul>	<ul style="list-style-type: none"> <li>Human Body</li> <li>Forces and Simple Machines</li> <li>Renewable and Non-Renewable Resources</li> </ul>
6	<ul style="list-style-type: none"> <li>Classification of Organisms</li> <li>Microscopic World</li> <li>Chemical and Physical Changes</li> <li>Forces</li> <li>Space Exploration</li> <li>Solar System</li> </ul>	6	<ul style="list-style-type: none"> <li>Controlling Variables</li> <li>Scientific Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>Diversity of Life</li> <li>Electricity</li> <li>Exploration of Extreme Environments</li> </ul>
7	<ul style="list-style-type: none"> <li>Ecology</li> <li>Body System - Reproduction, Growth, Change</li> <li>Environmental Chemistry</li> <li>Energy Sources and Options</li> <li>Astronomy</li> <li>Earth's Crust</li> </ul>	7	<ul style="list-style-type: none"> <li>Hypothesizing</li> <li>Developing Models</li> </ul>	<ul style="list-style-type: none"> <li>Ecosystems</li> <li>Chemistry</li> <li>Earth's Crust</li> </ul>