

## NATURE HIKES

Grade 5	<p><b>Physical and Health Education</b> Physical Fitness: improve their fitness levels by participating in sustained moderate to vigorous physical activity</p> <p><b>Science and Technology</b> Conservation and Energy, Developing Skills of Inquiry, Design,  Communication: formulate questions about and identify needs and problems related to protection of the natural environment, and explore possible answers and solutions</p> <p>Weather, Relating Science and Tech. to the Outside World: describe ways in which weather conditions affect the activities of humans and other animals; explain how climatic and weather conditions influence the choice of materials used for building shelters</p>
Grade 6	<p><b>Physical and Health Education</b> Physical Fitness: improve their personal fitness levels by participating in sustained moderate to vigorous physical activity</p> <p><b>Science and Technology</b> Diversity of Living Things, Developing Skills of Inquiry, Design and Communication: formulate questions about and identify the needs of different types of animals, and explore possible answers to these questions and ways of meeting these needs</p> <p>Relating Science to the Outside World: show an understanding of the impact of moving mechanisms (e.g., trucks, snowmobiles) on the environment and on living things</p>
Grade 7	<p><b>Physical and Health Education</b> Physical Fitness: improve or maintain their personal fitness levels by participating in sustained moderate to vigorous fitness activity</p> <p><b>Science and Technology</b> Interactions Within Ecosystems, Understanding Basic Concepts: identify and explain the roles of producers, consumers, and decomposers in food chains and their effects on the environment; explain the importance of microorganisms in recycling organic matter; interpret food webs that show the transfer of energy among several food chains, and evaluate the effects of the elimination or weakening of any part of the food web; identify signs of ecological succession in a local ecosystem</p>

	<p>Relating Science and Technology to the World Outside School: identify and explain economic, environmental and social factors that should be considered in the management and preservation of habitats</p> <p><b>Geography</b> Themes of geographic inquiry: Identify various types of landforms and explain how they are used to describe regions</p> <p>Patterns in Physical geography: Explain how vegetation patterns result from the interaction of several factors, including climate, land types, soil and competition for nutrients</p>
Grade 8	<p><b>Physical and Health Education</b> Physical Fitness: improve or maintain their fitness levels by participating in sustained moderate to vigorous fitness activity</p>
Grade 9	<p><b>Physical Health and Education</b> Physical Fitness: maintain or improve personal fitness levels by participating in vigorous physical activities for sustained periods of time</p>
Grade 10	<p><b>Physical Health and Education</b> Physical Fitness: maintain or improve personal fitness levels by participating in vigorous physical activities for sustained periods of time</p> <p><b>Science</b> Biology: The Sustainability of Ecosystems: Understanding Basic Concepts: explain why different ecosystems respond differently to short-term stresses and long-term changes, compare a natural and a disturbed ecosystem and suggest ways of assuring their sustainability</p> <p>Developing Skills of Inquiry and Communication: formulate scientific questions about observed ecological relationships, ideas, problems, and issues</p> <p>Relating Science to Technology, Society, and the Environment: assess the impact of technological change and natural change on an ecosystem Earth and Space Science: Weather Dynamic: Relating Science to</p> <p>Technology, Society, and the Environment: explain the role of weather dynamics in environmental phenomena and consider the consequences to humans of changes in weather</p>
Grade 11	<p><b>Physical Health and Education</b> Physical Fitness: maintain or improve personal fitness levels by</p>

	<p>participating in vigorous physical activities for sustained periods of time</p> <p><b>Canadian and World Studies</b>  Physical Geography: Patterns, Processes and Interactions: Geographic</p> <p>Foundations: Space and Systems: Learning Through Application: analyze the relationship between the present characteristics of local landforms and the processes that shaped them</p> <p>Human-Environment Interactions: Learning Through Application: analyze how selected human activities affect a local environment</p>
Grade 12	<p><b>Physical Health and Education</b>  Physical Fitness: maintain or improve personal fitness levels by participating in vigorous fitness activities for sustained periods of time</p> <p><b>Canadian and World Studies</b>  Human-Environment Interactions: Building Knowledge and Understanding: explain how human activities affect, or are affected by, the environment</p> <p>Understanding and Managing Change: Developing and Practicing Skills: predict the consequences of human activities on natural systems</p>