



## Geography

“Forces of Nature: How Extreme Weather Impacts our Daily Lives” is a very timely resource which aims to teach students about natural disasters and their impact on their communities. Unfortunately it would appear that natural disasters are becoming a more regular occurrence in our world. Almost every week reports come out of the news of a hurricane, earthquake, mudslide, flood, or other devastating a community somewhere in Canada or the world.

Forces of Nature examines four natural disasters in depth: the Quebec ice storm, Hurricane Juan, the Peterborough flood and the Kelowna fires – examples that took place right here in Canada.

Teachers are encouraged to use this resource as an introduction to the discussion of natural disasters, the impact on communities, prevention strategies and research into mitigating the risks and the impact, and the perception of increased frequency and severity of such extreme weather.

Curriculum Expectations	Education Resources
<p><b>Geographic Inquiry and Skill Development</b></p> <p>Geographic Inquiry: use the geographic inquiry process and the concepts of geographic thinking when investigating issues relating to Canadian geography;</p>	Lessons #3, 5, 6, 8, 9, 11
<p><b>Interactions in the physical environment</b></p> <p>The Physical Environment and Human Activities: analyse various interactions between physical processes, phenomena, and events and human activities in Canada</p>	Lessons #4, 6, 7, 8, 9, 10
<p><b>Managing Canada’s resources and industries</b></p>	Lesson #3, 5, 11
<p><b>Changing Populations</b></p>	Lesson #3, 11
<p><b>Liveable communities</b></p> <ul style="list-style-type: none"> <li>• The Sustainability of Human Systems: analyze issues relating to the sustainability of human systems in Canada</li> <li>• Characteristics of Land Use in Canada: analyze characteristics of land use in various Canadian communities, and explain how some factors influence land-use patterns</li> </ul>	Lessons #3, 4, 7 Lesson #3, 11
<p><b>Geographic Foundations: Space and Systems</b></p> <ul style="list-style-type: none"> <li>• Explain major theories of the origin and internal structure of the earth;</li> <li>• Explain how the earth’s natural and human systems are interconnected in multiple, complex ways;</li> </ul>	Lesson # 3, 6
<p><b>Human-Environment interactions</b></p> <ul style="list-style-type: none"> <li>• explain how the earth provides both a habitat for life and a resource for society</li> <li>• evaluate the impact of natural systems on people and their activities</li> <li>• evaluate the impact of human life on the environment</li> <li>• analyze the impact of selected global trends on people and environments at the local, national, and global level</li> <li>• evaluate the environmental and economic consequences for the Americas of natural hazards and climatic variations;</li> <li>• analyze geographic issues that arise from the impact of human activities on the environment in different regions of the world;</li> <li>• evaluate approaches, policies, and principles relating to the protection and sustainability of the planet’s life-support systems.</li> </ul>	Lessons # 3, 4, 5, 7, 8, 9, 11



<b>Global Connections</b> <ul style="list-style-type: none"><li>analyze local, regional, and global issues related to physical geography</li></ul>	Lessons # 4, 6, 8, 9, 10
<b>Understanding and Managing Change</b> <ul style="list-style-type: none"><li>analyze how changes in natural systems are caused by natural phenomena;</li><li>explain how human uses of the earth, especially uses involving technology, cause changes over time in natural systems</li><li>evaluate the cultural, economic, and environmental impact of changing technology;</li><li>evaluate the effectiveness of short-term and long-term solutions to geographic problems and issues at the local, national, and global level</li></ul>	Lessons # 3, 6, 9, 10
<b>Methods of Geographic Inquiry and Communication</b> <ul style="list-style-type: none"><li>use the methods and tools of geographic inquiry to locate, gather, evaluate, and organize information</li><li>analyze and interpret data gathered through research and investigation, using a variety of methods and geo-technologies</li><li>communicate the results of geographic inquiries, using appropriate terms and concepts and a variety of forms and techniques.</li></ul>	Lessons # 3, 8, 9, 11