

► CLIMATE CHANGE IN GRADE 9 GEOGRAPHY

Climate change is a serious problem that knows no boundaries; it is best understood through thinking in terms of large interacting systems. The long-term unpredictable impacts of climate change on ecozones and the people who are part of them is a cause for global concern; it requires a global commitment to policies that manage human systems so as to reduce greenhouse gas emissions. This resource offers students a task through which they can identify ways to lessen the impact on climate by redesigning Canadian communities.

► Resource Overview

This *Climate Change in Grade 9 Geography (Applied)* resource document includes:

I. Climate Change Connections

These sections address the systems dimension of Geography 9 (Applied), closely corresponding to the first three Geography strands.

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Natural Systems	Geographic Foundations: Space & Systems
Human Systems	Human-Environment Interactions
Human-Environment Interactions	Human-Environment Interactions
Global Interactions	Global Connections

Each section includes:

- ▶ A **Big Idea/Focus Question** about climate change that integrates expectations across the strands.
- ▶ **Big Idea/Focus Questions** that explore climate change in terms of systems. These questions may serve as a checklist for the teacher to help students develop their understanding about climate change and inform their town planning in the culminating task.
- ▶ **Big Idea/Focus Questions** that are addressed by the Big Idea/Focus Questions. These expectations are also cross-referenced to the culminating task.

Should the teacher choose to integrate climate change as a topic throughout the course (see Appendix A), these charts may provide a framework for planning.

II. Culminating Task: Town Planning to Address Climate Change

This culminating task includes:

- ▶ a series of activities with student readings and worksheets;
- ▶ an annotated bibliography of websites and links to current textbooks;
- ▶ an evaluation rubric based on the Ministry of Education Achievement Chart.