

## Unit Summative: Integrating Models of Climate Change and Proposing Solutions

**INTRODUCTION:** During this climate change unit, you have learned about the earth's weather and climate. You have encountered theories that attempt to explain phenomena and evaluated evidence to determine the validity of such theories. In this summative, you will be using a model of multiple hypotheses developed at the Rotman School of Management, University of Toronto, to understand the problems faced when humans try to respond to climate change in a meaningful and implementable way.

**LEARNING GOALS:** To understand conflicting viewpoints on proposed solutions to problems originating in climate change and rather than picking one over the other, learning to use the tension in that conflict to integrate and arrive at a new model of thinking that is better than either pre-existing model. Once you have successfully developed an integrated model, you will reflect on how the new model will affect you personally.

### SUCCESS CRITERIA:

- (A) Ability to explore two models of climate change responses in detail and provide support for each model;
- (B) Ability to integrate the models to create a new understanding of climate change; and
- (C) To identify pros and cons, and effect of integrated model on personal life and society.

### TIMELINE FOR THE SUMMATIVE:

| Day | A – Date | B – Date | What are you doing?  | Product:   |
|-----|----------|----------|--|--|
| 1   | Mar 24   | Mar 07   | <b>Learning about Integrative Thinking.</b> Select your model, identify key stakeholders for each model, identify benefits of model for stakeholders and select those benefits that are found in both models.  | Submit your group sheet to the teacher for use on day two.                   |
| 2   | Mar 26   | Mar 25   | <b>Creating an integrated model.</b> Brainstorm and record ideas that will allow you to take the best from the two opposing models. Cluster ideas and decide on priorities for your model. Organize your new model and synthesize implications for stakeholders. | Complete your group's ideas sheet and new model sheet and hand into teacher. |

### The Practices of Integrative Thinkers

