

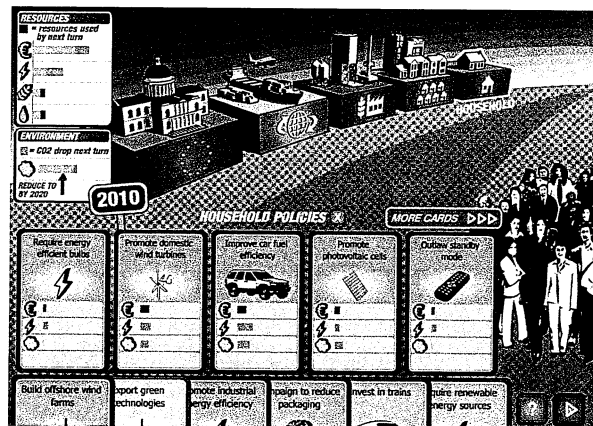
‘Climate Challenge’ Digital Game (from the BBC)

Mike Farley, Geography Teacher, University of Toronto Schools

Introduction

Game URL: <http://goo.gl/9IAcla> (recommended for Gr. 9-12 students)

“In Climate Challenge, the player takes on the fictional role of the President of the European Nations, choosing policies to reduce carbon dioxide emissions from 2000 to 2100. The player has to balance emissions reductions with making sure there is enough electricity, water, and food for the people, whilst also managing their spending and trying to remain popular with the electorate.” (Games for Change website). For more Geography-related impact games and accompanying student activities go to: www.change gamer.ca



Pre-Game

- Climate Change has been described as a “100-year problem facing four-year governments”. What do you think this means?

During the Game

- Start the game in the Tutorial Mode (<http://goo.gl/9IAcla>). Follow the tutorial prompts carefully as they guide you through the instructions of the game. This game is quite complex and many of the functions and features are quite subtle but important, so take your time at the beginning.
- Once you have completed the tutorial, you can restart the game (skip the tutorial this time). As you work through the game at least 3 times, complete the sections below:

Attempt 1 Scores	Highlights:
Environment: <input style="width: 50px;" type="text"/>	
Wealth: <input style="width: 50px;" type="text"/>	
Popularity: <input style="width: 50px;" type="text"/>	
Lowlights:	

Attempt 2 Scores	Highlights:
Environment: <input style="width: 50px;" type="text"/>	
Wealth: <input style="width: 50px;" type="text"/>	
Popularity: <input style="width: 50px;" type="text"/>	
Lowlights:	

Attempt 3 Scores	Highlights:
Environment: <input style="width: 50px;" type="text"/>	
Wealth: <input style="width: 50px;" type="text"/>	
Popularity: <input style="width: 50px;" type="text"/>	
Lowlights:	

THE MONOGRAPH

Post-Game Analysis

1. Describe the biggest challenge you faced in trying to reduce CO2 emissions as a world leader? Why did it give you so many difficulties?

2. Briefly describe the two most effective programs you put in place in terms of reducing climate change with the least side effects in terms of popularity and wealth. Why were they so effective?

3. Briefly describe a program/policy put in place by your country's government to combat climate change and assess its success (or lack thereof). Think in terms of the impact on the environment and wealth on your country and the political cost/gain for the government.

4. Research the current global climate change treaty. Briefly describe it and evaluate its effectiveness.

5. Rate the simulation (1 is poor, 5 is excellent): 1 - 2 - 3 - 4 - 5

Briefly explain the pros and cons and provide any suggestions for improvement.
