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| **Course(s):** Environmental Science 3205 |
| **Curriculum Expectations:**   * 1.19 describe your community’s impact on the environment * 1.20 describe environmental responsibility \*to be discussed at the individual and community level (<http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/science/envsci3205/3205_unit_1_revised_July2010.pdf>) |
| **Overview:** Students will use information from their own households to explore the patterns of food retrieval and consumption in the Bonne Bay area. This exploration will lead to the discussion of food security in the area as well as the subsequent impacts on the environment. |
| **Materials:**  *Teacher*   * SMARTBoard Food Security * Based on “A Community Food Security assessment of the Bonne Bay Region” by Kristen Lowitt (<http://www.curra.ca/documents/CFS%20Assessment%20Report_%20Final_Oct%2009.pdf>)   *Students*   * How Far Did Your Food Travel? Activity Sheet |
| **CURRA Reference:** A Community Food Security Assessment of the Bonne Bay Region – Kristen Lowitt (<http://www.curra.ca/documents/CFS%20Assessment%20Report_%20Final_Oct%2009.pdf>). For more research on this topic see “Marine wildlife of the Gros Morne national park region” – Joeseph S. Wroblewski or visit [www.curra.ca](http://www.curra.ca). |
| **Lesson Details:** *(Allow preparation and one, one hour period)*  *Pre-lesson preparation*   * Have students complete the activity “How Far Did Your Food Travel?” * Give students plenty of time so they can explore the questions fully or make a trip to the grocery store if necessary   *Lesson*   * Discuss student findings for take home activity * Use SMARTBoard Food Security to introduce the concept of an ecological footprint and have students brainstorm ways to decrease their footprints with regards to food items * Explore how these strategies could be possible in the Bonne Bay Area (examine food security based on “A Community Food Security assessment of the Bonne Bay Region” by Kristen Lowitt * Listen to Kristin Lowitt’s radio documentary “As we Fish &Farm” <http://www.curra.ca/new_initiatives_food_security.html> |
| **Assessment:**  *Discussion Questions*   * Do you take advantage of any programs contributing to food security strength in the area? * What aspects of the food security assessment could help you and your family reduce your ecological footprint? * What aspects may hinder your ability to reduce your ecological footprint? * Which residents may be more susceptible to food INsecurity based on the community food security assessment? |
| **Notes:** |

**How Far Did Your Food Travel?**

Choose a food item that is regularly found in your household and complete the following questions. \**Note: Items that are less processed and packaged are easier to trace for this assignment.*

1. Where was the product grown or produced?

1. How many kilometres did this food travel to make it to the grocery store? To your house?
2. How did this item travel? (What are the possibilities?)
3. If item is from out of province, is there a local alternative available?
4. Could you go without this item?