

Robert O'Leary  
Reeds Brook Middle School

Areas taught in order:

Cells  
Invertebrates  
Vertebrates  
Inventions  
Human Biology  
Ecology

Learning Results addressed: A2, B1, C1, C4, D2

Objective: To use and investigate the ice sheet model as it relates to human habitation in the State of Maine.

I. Introduce the ice age model.

- A. Explain that where we are located was covered with ice two miles deep.
  1. What would happen to the Earth's crust? Why?
  2. What would of happened to the sea level on the Maine coast? Why?
  3. Where did the ice come from? How did it get here?
    - i. (various labs on ice flow and movement with gack and ice cubes)
  4. What would happen as the ice melted and receded? Why?
  5. Introduce the ideas of isostasy and insolation.
  6. Could or did people live here when the ice sheet covered Maine? How do you know? What evidence might point to either position?
  7. Invite guest speaker (John Bear Mitchell or others) to address the history of Native Americans in Maine.
  8. Possible field trips - Acadia National Park (Fire and Ice Program) - Native American archeological site visit.

II. Other areas of concern to discuss in this section may include:

- A. Ice bridge connection. Where did the Native Americans come from?
- B. Blood grouping connection with peoples of Asian descent.
- C. How did they use the land and resources in comparison to today?