**Ideas for Implementation of Greenland research**

1: Create a **board game** for K-2 - loosely based on Chutes n' Ladders - Greenland theme - Summer 2015

2:  **School / Community visits:**

* + Ipswich School Committee - Nov 2014
	+ Rotary/Community discussion - Malone, NY - 11/2014
	+ Ipswich River Sanctuary - Ipswich, MA - in the works - Feb 2015?
	+ Wesllesey school system - Spring 2015
	+ The Wild Center - Spring 2015
	+ MAST Conference - November 2015
	+ 2015-2016: Creating lesson plans to bring into schools

3**: Students hosting a viewing night** w/follow up discussion with Avy regarding results from samples (Viewing of: Taking Earth's Temperature: Viewing DVD featuring Jason's research) ~January 2015

4: **What can the mud tell us about the history of Ipswich?**

Overview: Students will eventually spend four days in canoes taking sediment cores down the Ipswich River; a year long research project examining watersheds, endangered species, understanding types of sediments, forces that cause sediments to move, the dynamics of a river/velocity at different sites; how do you gather data, where do you gather data, building sediment cores, etc. This is a multi year project in which future grades will continue to add data to the project.

Projected timeline:

Present: students have begun to study Blanding's turtles and will research whales spring 2015

Winter 2015: students will build sediment core devices; explore forces of erosion (including glaciers)

Spring 2015: students will practice with sediment core devices in marsh behind school

Fall 2015: students on the river for 4 days collecting data

Winter 2015: students creating watershed map of area of river they collected data from

**5: How do the melting glaciers of Greenland impact Ipswich?** (measuring rate of change of Greenland's ice sheet, sea level change, mapping changes to Ipswich if the sea level rose by different increments, climate change, examining Labrador Current and impact of cold fresh water from glaciers, etc.)

Projected timeline: 2015-2016

Needs: Google Earth functioning for all students