



Iqqaqqaukkaringniq

Nunavusiutit

Nunavusiutit/Iqqaqqaukkaringniq Project

Gr. 10-12 Environmental Science Program
Development Strategy

Nunavut Education



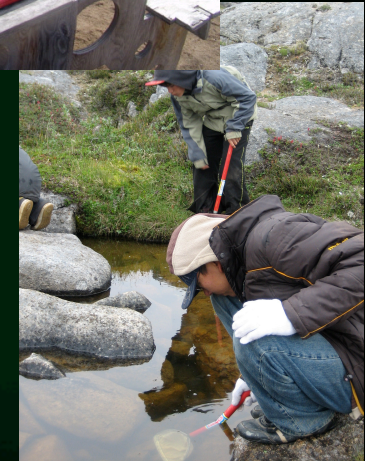
Cultural Perspective

Weather is the clock
by which we set our time





The Missing Link





Nunavut Environmental Science Education

- ✓ The Connections to the Environment
 - Starting with the Familiar...ain't so familiar!





Nunavut Science Education

✓ Nunavut made curriculum: Debunking Science

- Connecting different knowledge systems...creating a space of translations : Compare, Contrast, Develop a synergy of knowledge.
- Moving from Duality to Enrichment





Key Issues

✔ Near term

- Background Information Research (staying up-to-date)
- Developing Partnerships
- Scope & Sequence (K to 9 Foundation) (10-12)
- Finalizing course (Drafting process): Pilot-ready
- Pilot/Implementation
- Teacher Handbook/Support Network

✔ On going issues:

- Training & Turnovers
- Communication/Resources (LOR)
- Implementation: Financial/Structural
- Maintaining Partnerships



Nunavusiutit/Iqqaqqaukkaringniq Project

- ▼ Nuna 10: Toponymy, Navigation & Identity
 - Terrestrial Systems

- ▼ Tariuq 11: Time, Cycles and Rhythms
 - Oceans Systems

- ▼ Sila 12: Relationships, Connections, & Survival
 - Atmospheric Systems



The Format

✓ Teacher Handbook

- IQ, LOI, The Course Structure, Student Process, Assessment, Resources
- The How-to's

✓ Modules I to V

- Module 1: Community Consultation Focus
- Unit 1 (of each module):
 - GOAL SETTING (Inspiration software)
 - ASSESSMENT SETTING (ICE Rubric)

✓ Student Final Research Project (Thesis)

✓ Community Connection Project: Celebration/Action plan...



Taima!



3/14/11

9



Nuna 10 Concept

- ✓ Our Sense of Place: Traditional Mapping of our Local Environment
 - A Community Consultation Process
- ✓ By the Light of the Qulliq
 - The Energy Flow
 - Rocks, Minerals & Geological Processes
- ✓ Medicines & Ecosystems
 - Habitats & Ecosystems
- ✓ On the Land
 - Navigating our world
 - Dog teams & Qamutiqs
- ✓ The Caribou Hunt
 - Adaptation & Anatomy of the hunter and the hunted
- ✓ Poles Apart: A Bipolar Comparative Studies
 - Chemical and Physical comparative exploration
- ✓ Final Group Student Project



Tariuq 11 Concept

- ✓ The Traditions of Time: A Cultural Calendar
 - Community Consultation Project
- ✓ Tidal (Coastal) Harvest
- ✓ The Seal Hunt
- ✓ Traveling to the Flow Edge
- ✓ The Community Feast
- ✓ Individual Student Project



Sila 12 Concept

- ✓ Our Survival Guide (Local weather patterns)
 - Community Consultation Project
- ✓ Survival on the land in extreme weather
- ✓ The Secrets of Snow, Ice and Water Dynamics
- ✓ Global Context of the Arctic Climate
- ✓ One Arctic , One World: Bringing the Elements Together
 - Climate Change
 - Contamination
 - Sovereignty & treaties (Preservation/Bans & quotas)
- ✓ Final Student Project