

Winter Science - Cryosphere Connections

Chena Hot Springs January 29-31, 2009

DRAFT Schedule/content outline

12/5/08

SpringBoard/JEDC

Wednesday January 28 Early evening	Arrive Chena Hot Springs Registration/science notebooks Snow shelter building - Quinze (everyone pitch in!)	
Thursday January 29	Welcome Science Notebooks History of Winter Global Snowflake Network The Story Ice tells – Stratigraphy, unique properties Core & Thin ice sections - analysis Thermochron Mission Permafrost	Mary Hakala, SpringBoard Teacher Leader Peter Wasilewski, NASA Tony Gow, HOW/CRREL ret. & Peter Wasilewski Allen Lunsford, NASA Kenji Yoshikawa, UAF
Evening	State of the Cryosphere	Larry Hinzman, Dir., International Arctic Research Center
Friday January 30	Snow Cover & Environment Properties of snow, layering, spatial variation Life on and under the Snow	Matthew Sturm, CRREL w/ Ken Tape & Todd Sformo
Evening	Lesson Plan(s) Workshop Plan(s)	Teachers HOW 08 Alum
Saturday	Presentation of Lesson Plan(s) to Scientists And colleagues w/ feedback Thin Ice Sections – Science meets Art Refinement of lessons, discussion, questions Lunch: Geothermal into refrigeration Next steps – community workshops Closing Head Home	Teachers Peter Wasilewski Everyone Chena staff Community Teams Mary Hakala
5 pm		
Other:	Ice Museum Hot Springs Geothermal heat pump & refrigeration – how does this work? Snowflake activities/art Winter classroom practice(s) – HOW Alum – shared practices Winter across Alaska (slide show from home communities)	
