

Lesson Title	Level	Author	Reviewer
Greenhouse Effect	III-IV	Jessica Ryan	Dave Atkinson
Climate Change	III-IV	Deborah Rinio	Eric Stevens
Village Life Thousands of Year Ago	III-IV	Deborah Rinio	none - cultural lesson
Project Jukebox	III-IV	Deborah Rinio	Eric Stevens
Clouds	III-IV	Deborah Rinio	Eric Stevens
Cloud Types	III-IV	Lori Schoening	Eric Stevens
Elders' Cloud Observations	III-IV	Lori Schoening	none - cultural lesson
Cloud Haiku	III-IV	Lori Schoening	none - no science content
Air Pressure	III-IV	Deborah Rinio	Eric Stevens
Build a Pyschrometer	III-IV	Lori Schoening	Eric Stevens
Measuring Humidity	III-IV	Lori Schoening	Eric Stevens
Humidity and Air Saturation	III-IV	Deborah Rinio	Eric Stevens
Sateliite Science	III-IV	Jessica Ryan	Rudi Gens
Google Earth Scavenger Hunt	III-IV	Jessica Ryan	Don Atwood
Identifying Sea Ice	III-IV	Lori Schoening	Hajo Eicken
Sea Ice: Cracking the Egg Code	III-IV	Lori Schoening	Hajo Eicken
Finding the Average Temperature	III-IV	Katie Dyer	none - no science content
Temperature	III-IV	Deborah Rinio	Eric Stevens
How Oceans Affect Climate	III-IV	Katie Dyer	Eric Stevens
Historical Temperatures	III-IV	Katie Dyer	Eric Stevens
Long-term Temperature Changes	III-IV	Katie Dyer	none - cultural lesson
Hydrological Cycle Scavenger Hunt	III-IV	Lori Schoening	none - science from CD-ROM
Water Cycle Bag	III-IV	Lori Schoening	Eric Stevens
Local Hydrologic Cycle	III-IV	Deborah Rinio	none - cultural lesson
Weather Proverbs	III-IV	Deborah Rinio	none - cultural lesson
Stories	III-IV	Deborah Rinio	none - cultural lesson
Weather Instruments	III-IV	Deborah Rinio	Eric Stevens
Weather History	III-IV	Deborah Rinio	Eric Stevens
Weather Observation Journal	III-IV	Deborah Rinio	none - cultural lesson
Weather Timeline	III-IV	Deborah Rinio	none - cultural lesson
Decision Making	III-IV	Deborah Rinio	Eric Stevens
Masks	III-IV	Deborah Rinio	none - cultural lesson
Seasons	III-IV	Deborah Rinio	Eric Stevens
Weather Versus Climate	III-IV	Deborah Rinio	Eric Stevens
Persistence Forecasting	III-IV	Deborah Rinio	Eric Stevens

Lesson Title	Level	Author	Reviewer
Trends Forecasting	III-IV	Deborah Rinio	Eric Stevens
Climatology Forecasting	III-IV	Deborah Rinio	Eric Stevens
Analog Forecasting	III-IV	Deborah Rinio	Eric Stevens
Elder's Weather Forecasting	III-IV	Deborah Rinio	none - cultural lesson
Testing Weather Proverbs	III-IV	Deborah Rinio	none - cultural lesson
Name that Wind	III-IV	Lori Schoening	Eric Stevens
Native Language Ties	III-IV	Katie Dyer	none - cultural lesson
Wind	III-IV	Deborah Rinio	Eric Stevens
The Beaufort Scale: A Local Model	III-IV	Mollie Jenson / Deborah Rinio	Eric Stevens
Traditional Weather Observations	III-IV	Katie Dyer	none - cultural lesson
Convection and Wind	III-IV	Katie Dyer	Eric Stevens
Observing the Weather	III-IV	Katie Dyer	none - cultural lesson
Subsistence Calendar	III-IV	Katie Dyer	none - cultural lesson
Clouds and Your Imagination	I-II	Lori Schoening	none - no science content
Clouds as Art	I-II	Lori Schoening	Don Aycock
Clouds	I-II	Deborah Rinio	Eric Stevens
Cloud Forecast	I-II	Lori Schoening	none - science from CD-ROM
Evaporation	I-II	Lori Schoening	Eric Stevens
Solid Water	I-II	Lori Schoening	Eric Stevens
Make a Snowflake	I-II	Lori Schoening	Eric Stevens
Build a Precipitation Gauge	I-II	Lori Schoening	none - no science content
Elders Predict Snow	I-II	Lori Schoening	none - cultural lesson
Measuring Snowfall	I-II	Lori Schoening	Eric Stevens
Snowfall	I-II	Deborah Rinio	Eric Stevens
Precipitation	I-II	Deborah Rinio	Eric Stevens
Understanding the Ice	I-II	Lori Schoening	none - cultural lesson
Built a Thermometer	I-II	Katie Dyer	Eric Stevens
Measuring Temperature	I-II	Katie Dyer	Eric Stevens
Temperature	I-II	Deborah Rinio	Eric Stevens
Oral History	I-II	Katie Dyer	none - cultural lesson
Personal Observations	I-II	Katie Dyer	none - cultural lesson
Weather Proverbs	I-II	Deborah Rinio	none - cultural lesson
Weather Observation Journal	I-II	Deborah Rinio	none - cultural lesson
Weather	I-II	Deborah Rinio	Eric Stevens
Extreme Weather	I-II	Deborah Rinio	John Walsh

Lesson Title	Level	Author	Reviewer
Timeline of Extreme Weather Events	I-II	Mollie Jenson / Deborah Rinio	none - cultural lesson
Weather Report Chart	I-II	Deborah Rinio	Eric Stevens
Masks	I-II	Deborah Rinio	none - cultural lesson
Seasons	I-II	Deborah Rinio	Eric Stevens
Climate	I-II	Deborah Rinio	Eric Stevens
Climate Comparison	I-II	Deborah Rinio	Eric Stevens
Stories	I-II	Mollie Jenson / Deborah Rinio	none - cultural lesson
Building a Weather Vane	I-II	Lori Schoening	Eric Stevens
Finding Wind Direction	I-II	Lori Schoening	Eric Stevens
Wind	I-II	Deborah Rinio	Eric Stevens
Building an Anemometer	I-II	Lori Schoening	Eric Stevens
Measuring Wind Speed	I-II	Lori Schoening	Eric Stevens
The Beaufort Scale: A Local Model	I-II	Mollie Jenson / Deborah Rinio	none - cultural lesson
Traditional Stories About Wind	I-II	Katie Dyer	none - cultural lesson
Introduction to the Greenhouse Effect	V-VI	Jessica Ryan	Dave Atkinson
Introduction to the Carbon Cycle	V-VI	Jessica Ryan	Dave Atkinson
The Carbon Connection	V-VI	Jessica Ryan	Dave Atkinson
Global Climate Change	V-VI	Jessica Ryan	Dave Atkinson
Alaska's Changing Climate	V-VI	Jessica Ryan	Dave Atkinson
Understanding Albedo	V-VI	Jessica Ryan	Dave Atkinson
The Science of Snow	V-VI	Jessica Ryan	Dave Atkinson
Introduction to Energy Transfer	V-VI	Jessica Ryan	Dave Atkinson
Lake Ice and Energy Transfer	V-VI	Jessica Ryan	Dave Atkinson
Lake Ice and Conductive Heat Flow	V-VI	Jessica Ryan	Dave Atkinson
Long and Lat	V-VI	Jessica Ryan	Franz Meyer
Navigational Methods	V-VI	Lori Schoening	Franz Meyer
GPS Mapping	V-VI	Lori Schoening	Franz Meyer
Satellite Science	V-VI	Jessica Ryan	Rudi Gens
View from Space	V-VI	Jessica Ryan	Don Atwood
GINA Over Alaska	V-VI	Jessica Ryan	Don Atwood
Viewing Sea Ice with GINA	V-VI	Jessica Ryan	Rudi Gens
Elder Insights on Weather & Hunting	V-VI	Jessica Ryan	none - cultural lesson
Water Wise	V-VI	Jessica Ryan	none - no science content
Storm Chasers	V-VI	Jessica Ryan	Eric Stevens
Stocks & Flows	Modeling	Deborah Rinio	none - no science content

Lesson Title	Level	Author	Reviewer
Waging War: Feedback Loops	Modeling	Deborah Rinio	none - no science content
Systems Interactions	Modeling	Deborah Rinio	none - no science content
Growing Grains	Modeling	Deborah Rinio	none - no science content
Oobleck	I-II	Deborah Rinio	Jeff Drake
Water on Earth	I-II	Deborah Rinio	Jeff Drake
Water Cycle Game	I-II	Deborah Rinio	Jeff Drake
Soapy Solids	I-II	Cheryl	Jeff Drake
Erosion	I-II	Deborah Rinio	Jeff Drake
Go Glacier Go	I-II	Cheryl	Carl Benson
Drinkable Snow	I-II	Deborah Rinio	Chris Petrich
Using Your Senses	I-II	Deborah Rinio	Rudi Gens
Close Up and Far Away	I-II	Deborah Rinio	Rudi Gens
Zoom Out	I-II	Deborah Rinio	Franz Meyer
Observing Ice [Ice Art]	III-IV	Deborah Rinio	Chris Petrich
Sea Ice Board Game	III-IV	Deborah Rinio	Chris Petrich
Saltwater Science	III-IV	Deborah Rinio	Hajo Eicken
Melting the Ice	III-IV	Deborah Rinio	Chris Petrich
The Great Heat Escape	III-IV	Deborah Rinio	Hajo Eicken
Unscrambling the Egg Code	III-IV	Deborah Rinio	Chris Petrich
Sea Ice on Satellite	III-IV	Deborah Rinio	Rudi Gens
Satelite Senes	III-IV	Deborah Rinio	Don Atwood
Layering the Air	III-IV	Deborah Rinio	Dave Atkinson
Displaying Sea Ice	III-IV	Deborah Rinio	none - no science content
Carbon Footprint	V-VI	Deborah Rinio	Uma Bhatt
Impacts of Arctic Climate Change	V-VI	Deborah Rinio	none - science from CD-ROM
Graphing Climate Change	V-VI	Deborah Rinio	Uma Bhatt
Investigating Ocean Currents	V-VI	Deborah Rinio	Matt Druckenmiller
Sea Level Mapping	V-VI	Olga	Uma Bhatt
A Costal Arctic Food Web	V-VI	Deborah Rinio	Katrin Iken
Tour of the Cryosphere	V-VI	Deborah Rinio	Chris Petrich
Many Microclimates	V-VI	Deborah Rinio	Chris Petrich
Climate Change Stinks	V-VI	Deborah Rinio	Katey Walter
STELLA and the Carbon Cycle	V-VI	Deborah Rinio	none - science from CD-ROM