

## Grades 6 – 8 Scope and Sequence for Climate Change Compendium

Topic	Lesson Included	AAAS Standards	NSES Standards	NCGE Standards	Background
<b>The Greenhouse Effect</b>	<a href="#">Warming up to Global Warming</a>	4: c 7: g 12: d	7: b, c		none
	<a href="#">Global Warming in a Jar</a>	1: b 3: b 4: e 9: b, c 11: b 12: d	2: a 3: c 5: a	8	Teacher's notes (included)
<b>Atmosphere and Carbon</b>	<a href="#">Air and Atmosphere</a>	4: c 11: b	4: d 7: b		Background information
	<a href="#">Climate and CO<sub>2</sub>: Analyzing Their Relationship</a>	4: c 7: g 11: a	4: d 5: a	7	
	<a href="#">What is the Carbon Cycle?</a>	4: c 5: e 7: g 11: a	4: d 5: a	7	Included background information extension (Carbo the Carbon Atom)
<b>Albedo</b>	<a href="#">Earth's Energy Cycle: Albedo</a>	9: b, c 12: d	3: c 5: a		What is Albedo? (included)
	<a href="#">Daisy World</a>	5: d 9: b 11: a, c	3: c 5: a		Feedback mechanism supplementary information
	<a href="#">Atmospheric Perturbations</a>	5: d 11: a, c	2: a 3: a 5: a		
<b>Polar Regions</b>	<a href="#">Putting Antarctica on the Map</a>	9: e (with expansion and #2)	8: a	1, 4, 5, 8	Contrasting Poles
	<a href="#">Arctic Adaptations and Global Impacts</a>	5: a, f 7: g 11: a 12: d	4: d, e	4, 8	Global Warming: How Hot? How Soon?

<b>Ice: Land and Sea</b>	<a href="#">Sea Ice: Global Warming</a>	3: a 11: a, c	3: c 5: a 7: c		Feedback mechanism supplementary information
	<a href="#">Experimenting with Ice Melt</a>	11: b 12: a, d	2: a, b 5: a 7: c 8: b		The attached websites
<b>Tracking Climate</b>	<a href="#">Ice Cores</a>	1: b 3: a 4: b	2: a, b	7	Learning from Polar Ice Research  Website on frontispiece
	<a href="#">Past Sea Level Data</a>	9: a, b 12: d	2: a 5: a 8: b	17	Dating corals, knowing the ocean
	<a href="#">Signs of Change: Studying Tree Rings</a>	11: c	2: b 7: c		Backgrounder #1, 2
<b>Human Influence</b>	<a href="#">Human Activity and Climate Change</a>	3: c 7: g 9: b, c 12: d	5: a 7: c	14	Background included
<b>Culminating Activity</b>	<a href="#">Ahimsa Media's What Can You Do</a>				none