

Albedo Effect and Earth's Climate		Grade 7: Heat in the Environment	
Curriculum Connections	Topic	Earth and Space	
	Fundamental Concepts	Energy	
<p><b>Description</b>            This lesson will reinforce teachings within the realm of biology, chemistry, and earth sciences, by taking a look at the albedo effect and climate change. It will lay the foundation of how the reflective power of surfaces influences Earth's climate, and will tackle questions on cloud formation, glacial melting, rising sea levels, and overall climate change.</p>			
<p><b>Big Ideas</b>            Heat is a form of energy that can be transformed and transferred. These processes can be explained using the particle theory of matter</p>		<p><b>Overall Expectations</b>            2. investigate ways in which heat changes substances, and describe how heat is transferred</p>	
<p><b>Specific Expectations</b>            2.2 investigate the effects of heating and cooling on the volume of a solid, a liquid, and a gas            2.4 use scientific/experimentation skills to investigate heat transfer through conduction, convection and radiation</p>			