

**Alignment of the Atmospheric Science Literacy Frameworks to the
National Science Education Standards (NSES)
GRADES 5-8**

NSES Elements/ Key Atmospheric Science Concepts	Essential Principle 4 - Weather and Climate			
	FC 4.1	FC 4.2	FC 4.3	FC 4.4
UNIFYING CONCEPTS AND PROCESSES				
Change, Constancy, and Measurement	•	•	•	
EARTH AND SPACE SCIENCE				
Structure of the Earth System	•		•	
Earth's History		•		
Earth in the Solar System	•	•		
LIFE SCIENCE				
Populations and Ecosystems				•
Diversity and Adaptations of Organisms				•
PHYSICAL SCIENCE				
Properties and Changes of Properties in Matter			•	
Transfer of Energy	•	•	•	
PERSONAL AND SOCIAL PERSPECTIVES				
Natural Hazards				•
Risks and Benefits				•
SCIENCE AND TECHNOLOGY				
Understanding About Science & Technology K-12				•