

## CLIMATE CHANGE AND THE CARBON CYCLE

### NEXT GENERATION SCIENCE STANDARDS ACTIVITY CHARTS

#### Performance Expectations

This chart identifies the Climate Change and the Carbon Cycle activities that address each of the listed Next Generation Science Standards Performance Expectations.

NGSS PERFORMANCE EXPECTATIONS			
	Up in the Air	The Ins and Outs of a Climate Feedback Loop	What's the Plan? Climate Change Mitigation
HS-ESS2-2		●	
HS-ESS2-6	●		
HS-ESS3-4			●

#### Three Dimensions

This chart identifies the Climate Change and the Carbon Cycle activities that address each of the listed three dimensions of the Next Generation Science Standards.

NGSS THREE DIMENSIONS			
	Up in the Air	The Ins and Outs of a Climate Feedback Loop	What's the Plan? Climate Change Mitigation
<b>SCIENCE AND ENGINEERING PRACTICES</b>			
Developing and Using Models	●	●	
Analyzing and Interpreting Data		●	
Constructing Explanations and Designing Solutions			●
<b>DISCIPLINARY CORE IDEAS</b>			
ESS2.A: Earth Materials and Systems		●	
ESS2.D: Weather and Climate	●	●	
ESS3.C Human Impacts on Earth Systems	●		●
ESS3.D Global Climate Change	●		●
ETS1.B Developing Possible Solutions			●
<b>CROSSCUTTING CONCEPTS</b>			
Scale, Proportion, and Quantity	●		
Energy and Matter	●		
Systems and System Models		●	
Stability and Change		●	●