

Contents

Weather and Climate

1	TALKING IT OVER				
	Climate Change	3			
2	INVESTIGATION				
	Investigating Local Weather	9			
3	PROJECT				
	Local History of Severe Weather	15			
4	PROBLEM SOLVING				
	Climate Types and Distribution Patterns	19			
5	PROBLEM SOLVING				
	Earth's Surface	27			
6	LABORATORY				
	Heating Earth's Surfaces	31			
7	PROBLEM SOLVING				
	Ocean Temperatures	35			
8	MODELING				
	Investigating Water	39			
9	ROLE PLAY				
	Oceans and Climate	43			
10	READING				
	The Causes of Climate	53			
11	INVESTIGATION				
	Worldwide Wind	59			
12	DESIGN				
	Measuring Wind Speed and Direction	63			
13	INVESTIGATION				
	Forecasting Weather	69			
14	READING				
	Atmosphere and Climate	75			
15	INVESTIGATION				
	History of Earth's Atmosphere	81			
16	INVESTIGATION				
	Global Warming	85			
17	TALKING IT OVER				
	People, Weather, and Climate	91			
	Unit Summary	101			
	Appendices	105			
	Glossary	139			
	Index	141			
	Credits	147			