

Layered Earth Meteorology Correlations For Kentucky State Science Standards



Middle School: Grades 5-8

Lesson Plans

Grade 5	The Earth's water supply has existed since the formation of the planet and is constantly cycled from the ocean to the atmosphere, allowing the same water to be endlessly reused without the creation of new water.	D1
	Earth is surrounded by a blanket of air called the atmosphere that is essential to life because of some of the gasses it contains.	A1
	Air is free to move from place to place all across the planet and this movement causes global weather patterns. Observing air movements help scientists explain both global and local weather patterns.	C1, D2-3
	Investigate how water can change forms yet still be conserved in the water cycle	D1
	Create/analyze/explain representations that illustrate the circulation of water (evaporation and condensation) from the surface of the Earth, through the crust, oceans and atmosphere (water cycle)	D1
	Compare weather and climate and describe the factors that influence each	E1
	Describe the makeup of the Earth's atmosphere and analyze atmospheric data to explain real life phenomena (e.g., pressurized cabins in airplanes, mountain-climber's need for oxygen)	A1-4
Grade 7	While some changes to the Earth occur without warning, many changes to the surface or atmosphere can be predicted from available data/evidence.	F4