

Unit Name: Amazing Air

Enduring Understandings	Standards Addressed	Essential Questions	Anchor Lessons	Optional Lessons
<p>1. Air is a substance with physical properties that takes up space.</p>	<p>ES2 Air is all around us.</p>	<p>What evidence supports or shows that air is all around us?</p>	<p>Activity 1 – Air Is Something                      ✓ Activity Sheet 1, Part A                      ✓ Activity Sheet 1, Part B</p> <p>Activity 2 – Air Takes Up Space                      ✓ Activity Sheet 2, Part A                      ✓ Activity Sheet 2, Part B</p> <p>Activity 4 – Volume Changes with Temperature                      ✓ Activity Sheet 4, Part A                      ✓ Activity Sheet 4, Part B</p>	<p>Activity 3 – Air Has Volume</p> <p>Activity 5 – Volume Changes with Pressure</p>
<p>2. Air is not a solid or a liquid, but rather a mixture of gases that can be defined by its physical properties.</p>	<p>ES2 Recognize that air is a mixture of gases.</p>	<p>How can you prove air is not a solid or a liquid, but rather a mixture of gases?</p>	<p>Demonstration Only:                      Activity 6 – Air Has Weight                      ✓ Activity Sheet 6</p> <p>Demonstration Only:                      Activity 7 – Air Exerts Pressure                      ✓ Activity Sheet 7, Part A                      ✓ Activity Sheet 7, Part B</p>	<p>Activity 8 – High Pressure – Low Pressure</p>
<p>3. Wind is moving air that can be measured.</p>	<p>ES2 Wind is moving air.</p>	<p>What evidence demonstrates that air moves?</p> <p>How can understanding the way air moves be helpful to our world?</p>	<p>Activity 10 – Air Moves                      ✓ Activity Sheet 10</p>	<p>Activity 9 – Air Resistance</p> <p>Activity 11 – The Bernoulli Effect</p> <p>Activity 12 – Paper Airplanes</p>

**REQUIRED ASSESSMENT – You may choose either assessment: Section 2, Sheet A OR Section 2, Sheet B.**