

## Unit Overview - Clouds

<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"><b>Essential Questions</b></div> <ul style="list-style-type: none"> <li>What is the composition of a cloud?</li> <li>How are clouds formed?</li> <li>What are the types of clouds?</li> <li>What types of weather can be expected from each type of cloud?</li> </ul>	<input type="checkbox"/> I totally get it <input checked="" type="checkbox"/> I kinda get it <input type="checkbox"/> I don't get it		
<b>What came first:</b> <ul style="list-style-type: none"> <li>(2<sup>nd</sup> Grade) Summarize weather conditions using qualitative and quantitative measures to describe: temperature, wind direction, wind speed, precipitation</li> <li>(2<sup>nd</sup> Grade) Compare weather patterns that occur over time and relate observable patterns to time of day and time of year.</li> <li>(2<sup>nd</sup> Grade) Recognize the tools that scientists use for observing, recording, and predicting weather changes from day to day and during the season.</li> <li>(5<sup>th</sup> Grade) Compare daily and seasonal changes in weather conditions (including wind speed and direction, precipitation, and temperature) and patterns.</li> <li>(5<sup>th</sup> Grade) Predict upcoming weather events from weather data collected through observation and measurements.</li> </ul>			
<b>What comes next:</b> <ul style="list-style-type: none"> <li>(High School: Earth and Environmental Science) Predict the weather using available weather maps and data (including surface, upper atmospheric winds, and satellite imagery).</li> </ul>			
<b>Enduring understanding</b>	<b>Important to know and do</b>	<b>Worth being familiar with</b>	
<input type="checkbox"/> Clouds are a part of the water cycle <input type="checkbox"/> Formation of clouds is dependent on air conditions and can be used to track weather	<input type="checkbox"/> Why are particles necessary for clouds to form? <input type="checkbox"/> Identify cloud types by prefixes <input type="checkbox"/> How do scientists classify clouds? <input type="checkbox"/> Types of precipitation associated with each cloud type <input type="checkbox"/> Complete daily weather tracking map for 5 days	<input type="checkbox"/> What is fog? Where do you find it? Is fog a cloud? <input type="checkbox"/> Cloud seeding to encourage precipitation <input type="checkbox"/> How do human activities affect cloud formation?	
<b>Vocabulary to master</b>			
<input type="checkbox"/> Alto	<input type="checkbox"/> Cirro	<input type="checkbox"/> Cirrus	<input type="checkbox"/> Cumulo
<input type="checkbox"/> Cumulus	<input type="checkbox"/> Nimbo	<input type="checkbox"/> Nimbus	<input type="checkbox"/> Stratus
<input type="checkbox"/> temperature	<input type="checkbox"/> barometer	<input type="checkbox"/> pressure	<input type="checkbox"/> radar