

# UNIT PLAN

## UNIT 3: WEATHER

<b>Discussion topics:</b>	<b>Sources of Weather</b>
<b>Objective:</b>	To determine that the applicant is knowledgeable in sources of weather
<b>Introduce:</b>	<p>The applicant demonstrates understanding of:</p> <ul style="list-style-type: none"> <li>Internet weather briefing and sources of weather available for flight planning purposes.</li> <li>Aviation routine weather reports (METAR).</li> <li>Terminal aerodrome forecasts (TAF).</li> <li>Weather charts.</li> <li>Automated surface observing systems (ASOS) and automated weather observing systems (AWOS).</li> </ul>
<b>Completion standards:</b>	Demonstrates understanding of Weather. Minimum of 80% on the post test.
<b>References:</b>	AC 107-2; AIM; FAA-H-8083-25; FAA-G-8082-22
<b>Suggested homework assignments:</b>	<ul style="list-style-type: none"> <li>• Review online video.</li> <li>• Review Remote Pilot Book Chapter 3, Weather.</li> <li>• Review Airman Knowledge Testing Supplement, Figure 12 (METAR) and Figure 15 (TAF).</li> <li>• Review questions assigned</li> </ul>
<b>Discussion topics:</b>	<b>Effects of Weather on Performance</b>
<b>Objective:</b>	To determine that the applicant is knowledgeable of effects of weather on performance
<b>Introduce:</b>	<ul style="list-style-type: none"> <li>• Density altitude</li> <li>• Wind and currents</li> <li>• Atmospheric stability, pressure, and temperature</li> <li>• Air masses and fronts</li> <li>• Thunderstorms and microbursts</li> <li>• Tornadoes</li> <li>• Icing</li> <li>• Hail</li> <li>• Fog</li> <li>• Ceiling and visibility</li> <li>• Lightning</li> </ul>
<b>Review:</b>	<ul style="list-style-type: none"> <li>• Sources of Weather</li> </ul>

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