

# LESSON PLAN

## Lesson 3.2: Effects of Weather on Performance

**DESCRIPTION:** In this lesson students will be able to become knowledgeable in the effects of weather on performance.

See Remote Pilot Standard for Regulations:  
Remote Pilot – Small Unmanned Aircraft Systems Airman Certification Standards

**Knowledge:** Students demonstrate an understanding of the following:

UA.III.B.K1	Weather factors and their effects on performance.
UA.III.B.K1a	Density altitude
UA.III.B.K1b	Wind and currents
UA.III.B.K1c	Atmospheric stability, pressure, and temperature
UA.III.B.K1d	Air masses and fronts
UA.III.B.K1e	Thunderstorms and microbursts
UA.III.B.K1f	Tornadoes
UA.III.B.K1g	Icing
UA.III.B.K1h	Hail
UA.III.B.K1i	Fog
UA.III.B.K1j	Ceiling and visibility
UA.III.B.K1k	Lightning

**Whole Class Discussion:**

Watch AINautics Weather Video  
Use Guided Notes Handout to allow students to decipher information.

**Suggested Lesson Activities:**

**Suggested Formative Assessments:**  
CFU  
Quizzes

**Suggested Summative Assessments:**  
Effects of Weather on Performance Test

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**Suggested Extended Learning Activities:**

Review Regulations Video  
Kahoot, Quizizz Activities  
Journal Reflections  
Quick-Write  
Internet Connections  
Provide students with a UAV Knowledge checklist to ensure they are grasping the content.

**Other Resources/Handouts:**

**References:**