

LESSON PLAN

Lesson 4.1: Loading and Performance

DESCRIPTION: In this lesson students will be able to become knowledgeable in loading and 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.IV.A.K1	General loading and performance including:
UA.IV.A.Ka	a. Effects of loading changes
UA.IV.A.Kb	b. Balance, stability, and center of gravity
UA.IV.A.K2	Importance and use of performance data to calculate the effect on the aircraft's performance of an sUAS.

Whole Class Discussion:
 Watch AINautics Loading and Performance Video.
 Use Guided Notes Handout to allow students to decipher information.

Suggested Lesson Activities:

<p>Suggested Formative Assessments: CFU Quizzes</p>	<p>Suggested Summative Assessments: Loading and Performance Test</p>
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Suggested Extended Learning Activities:
 Review Regulations Video
 Kahoot, Quizizz Activities
 Journal Reflections

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Quick-Write
Internet Connections
Provide students with a UAV Knowledge checklist to ensure they are grasping the content.

Other Resources/Handouts:

References: