

LESSON PLAN

Lesson 1.5: Operating Over People

LESSON OBJECTIVE: To determine that the applicant is knowledgeable of the operating rules of 14 CFR parts 89 and 107, and the associated operating requirements when operating over people.

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

Knowledge: The applicant demonstrates understanding of:

UA.I.E.K1	Remote pilot responsibilities when operating over people.
UA.I.E.K2	Operations over people at night.
UA.I.E.K3	Category of operations, including:
UA.I.E.K3A	a. Category 1
UA.I.E.K3B	b. Category 2
UA.I.E.K3C	c. Category 3
UA.I.E.K3D	d. Category 4
UA.I.E.K4	Selecting an operation area
UA.I.E.K5	Minimum distances from a person.
UA.I.E.K6	Operations over moving vehicles.
UA.I.E.K7	Modifications to an sUAS.
UA.I.E.K8	Closed and restricted access sites.
UA.I.E.K9	Remote Pilot operating instructions.
UA.I.E.K10	Required components and Category declaration.
UA.I.E.K11	Optional components
UA.I.E.K12	Applicant produced, designed, or modified sUAS for operations over people.
UA.I.E.K13	Declaration of Compliance (DOC)
UA.I.E.K14	Maintenance of an sUAS that is eligible for operations
UA.I.E.K15	Means of Compliance (MoC).
UA.I.E.K16	Impact kinetic energy
UA.I.E.K17	Exposed rotating parts.

Lesson Pre-Activities:

1. Review previous lesson.
2. Continue to watch AINautics Regulations video.

Whole Class Discussion:

Introduce new concepts,
Present lesson via Google Slides or PowerPoint

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<p>Suggested Lesson Activities: Allows students to explore new concepts through “Sticky-Note” strategy, categorizing information. Have students create a table to or provide a graphic organizer to grasp content.</p>	
<p>Suggested Formative Assessments: Breakdown the content in various quizzes</p>	<p>Suggested Summative Assessments: Operating over People Test</p>
<p>Suggested Extended Learning Activities: Review Regulations Video Kahoot, Quizizz Activities Journal Reflections Quick-Write Internet Connections</p>	
<p>Other Resources/Handouts:</p>	
<p>References:</p> <p>https://www.creativesafety.com/infographics/drone-safety/</p> <p>https://nofilmschool.com/2016/03/drone-shooting-laws</p>	