

LESSON PLAN

Lesson 5.6: Maintenance and Inspection Procedures

DESCRIPTION: In this lesson students will be able to become knowledgeable in radio communication procedures.

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

Knowledge: Students demonstrate an understanding of the following:

UA.V.F.K1	Basic maintenance.
UA.V.F.K2	Preflight inspection.
UA.V.F.K3	Techniques to mitigate mechanical failures of all elements used in sUAS operations such as the battery and any device(s) used to operate the sUAS.
UA.V.F.K4	Appropriate record keeping.
UA.V.F.K5	Persons that may perform maintenance on an sUAS.
UA.V.F.K6	Preflight inspection for night operations.
UA.V.F.K7	Manufacturer’s Declaration of Compliance for Category 2 and 3 operations.

Whole Class Discussion:

Use Guided Notes Handout to allow students to decipher information.

Suggested Lesson Activities:

Suggested Formative Assessments:
CFU

Suggested Summative Assessments:
Maintenance and Inspection Quiz

Suggested Extended Learning Activities:

- Review Regulations Video
- Kahoot, Quizizz Activities
- Journal Reflections
- Quick-Write
- Internet Connections

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Provide students with a UAV Knowledge checklist to ensure they are grasping the content.

Other Resources/Handouts:

References: