

Drone Systems Evidence Brief Rubric

NAME _____ DATE _____ PERIOD _____

16-point scoring tool

CRITERION	4 - MASTERS	3 - MEETS	2 - APPROACHES	1 - NEEDS IMPROVEMENT	0 - INSUFFICIENT EVIDENCE
Design reasoning	Connects a specific user need, component job, environmental constraint, tradeoff, and evidence-based redesign.	Connects user need, component, and constraint with a defensible explanation.	Design response is relevant but one evidence connection is incomplete.	Names a feature with little connection to the mission.	Blank, off-topic, or copied without reasoning.
Occupation and classification evidence	Uses exact occupation, source/date/geography/measure, preparation/duty evidence, all three rule decisions, annual openings, and one limitation.	Uses accurate occupation and source labels with evidence for all three classifications.	Relevant occupation evidence is present but labels or one classification are incomplete.	Uses vague “drone career” claims or unsupported salary/growth.	No usable occupation evidence.
Rule and safety accuracy	Correctly distinguishes indoor, outdoor educational, and Part 107 boundaries; names current source/authorized person and campus/model check.	Correctly applies or verifies the selected scenario rule and names a safety check.	General rule direction is plausible but one boundary or verification step is unclear.	Treats one rule as universal or confuses a classroom checklist with flight authorization.	No usable rule/safety reasoning.
Test-based revision and transfer	Uses a specific result to justify one-variable revision, names next evidence, and transfers one skill across two occupations.	Uses test evidence to justify a revision and connects one skill to two occupations.	Revision or transfer is relevant but weakly tied to evidence.	Names a change or skill with little evidence.	No test/revision/transfer evidence.

Scoring boundary

Score private evidence and reasoning. Do not score live flight, hardware access, speed, artistic quality, public speaking, H&L activity, English mechanics unless meaning is unclear, or submission mode.

Score and feedback

Design reasoning: ____ / 4

Occupation and classification evidence: ____ / 4

Rule and safety accuracy: ____ / 4

Test-based revision and transfer: ____ / 4

Total: ____ / 16

Suggested conversion after local approval:

- 15-16: Masters
- 13-14: Meets
- 12: Approaches
- 10-11: Needs Improvement
- 0-9: Follow campus gradebook policy

One strength:

One next revision:
