

APPLIED PATHWAY | HIGH SCHOOL

Drone Career Explorer

High School Student Workbook & Career Portfolio

Career-connected. Evidence-driven. Responsible. Future-focused.

Grades 9-12

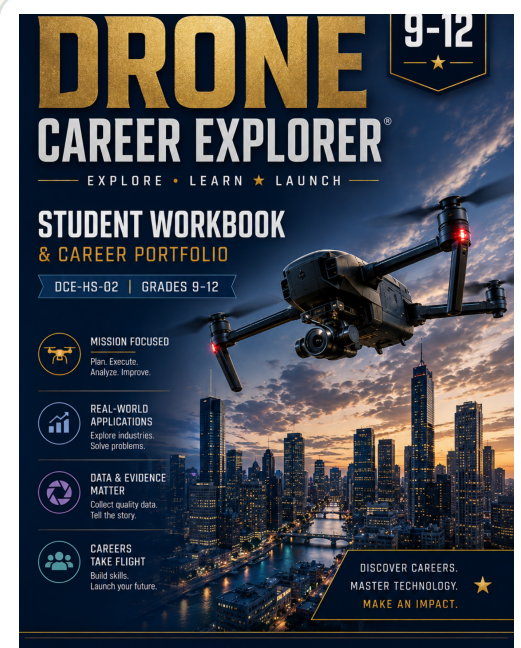
Nine-unit career-connected pathway

WHAT THIS PREVIEW SHOWS

- Professional systems and mission planning
- Responsibility, privacy, risk, and accountability
- AI, autonomy, aerial data, and evidence
- Workforce readiness and capstone defense

EVIDENCE OF LEARNING

Students build systems maps, evidence briefs, decision memos, industry analyses, career-readiness artifacts, and a capstone mission proposal.



SOURCE WORKBOOK

SELECTED STUDENT-FACING PAGES ONLY

Full curriculum, facilitator guidance, answer keys, assessments, and implementation masters remain protected and are shared only through approved implementation or pilot access.

Inside this public preview

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Selected source pages

- **Workbook page 2**
DCE-HS-02 • START HERE GRADES 9-12
- **Workbook page 19**
PORTFOLIO LAB • UNIT 2 LESSON 3 RESPONSIBILITY + JUDGMENT
- **Workbook page 33**
PORTFOLIO LAB • UNIT 4 LESSON 2 AI + AUTONOMY
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PORTFOLIO LAB • UNIT 5 LESSON 3 DATA + EVIDENCE
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PORTFOLIO LAB • UNIT 8 LESSON 3 SKILLS + PORTFOLIO
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PORTFOLIO LAB • UNIT 9 LESSON 4 CAPSTONE + DEFENSE

WHY THIS IS A PREVIEW

This PDF is designed for public website review. It shows authentic student-facing curriculum evidence without publishing the complete instructional package. Teacher-only guidance, answer keys, unpublished assessments, implementation masters, and full program sequencing remain protected.

HIGH SCHOOL STUDENT EDITION

MY DRONE CAREER EXPLORER WORKBOOK

Use this workbook to investigate drone-enabled industries, analyze evidence, practice responsible technology decision-making, build career-ready artifacts, and develop a final capstone mission proposal.

STUDENT NAME

SCHOOL / PROGRAM

CLASS / GROUP

HOW TO USE THIS WORKBOOK

1. INVESTIGATE

Question assumptions, examine examples, and collect useful evidence.

2. ANALYZE

Compare options, identify limitations, and explain what the evidence supports.

3. CREATE

Build a professional artifact that shows your reasoning and decisions.

4. REFLECT

Revise, connect your learning to careers, and decide what to improve next.

NO-FLIGHT-READY DESIGN: You can complete the full workbook through case studies, diagrams, data interpretation, research, simulations, teacher demonstrations, and conceptual mission planning. Any physical equipment use is determined and supervised by the school or organization.

YOUR PORTFOLIO GOAL

By the end of the course, you will have a collection of systems maps, evidence briefs, decision memos, industry analyses, career-readiness artifacts, and a capstone proposal that demonstrates how you think—not just what you know.

CREATE • ANALYZE • REFLECT

Responsible-Use Decision Memo

Use this page as your working draft. Your facilitator may ask you to revise, present, digitize, or select the finished version for your career portfolio.

DECISION

PURPOSE

EVIDENCE SUPPORTING DECISION

PRIMARY RISKS

REQUIRED SAFEGUARDS

CONDITIONS / REVISIONS

HUMAN ACCOUNTABILITY

RATIONALE

REFLECTION

What new evidence could cause you to change your recommendation?

PORTFOLIO EVIDENCE

Responsible-Use Decision Memo

Date completed: _____

Revision needed? ☐ Yes ☐ No

Ready for portfolio? ☐ Yes ☐ Not yet

CREATE • ANALYZE • REFLECT

Automation & Human Judgment Matrix

Use this page as your working draft. Your facilitator may ask you to revise, present, digitize, or select the finished version for your career portfolio.

TASK

AUTOMATION VALUE

POSSIBLE LIMITATION

HUMAN REVIEW NEEDED?

WHY

EVIDENCE REQUIRED

RESPONSIBLE ROLE

REFLECTION

What is one task you would automate and one you would keep strongly human-led?

PORTFOLIO EVIDENCE

Automation & Human Judgment Matrix

Date completed: _____

Revision needed? ☐ Yes ☐ No

Ready for portfolio? ☐ Yes ☐ Not yet

CREATE • ANALYZE • REFLECT

Aerial Evidence Brief

Use this page as your working draft. Your facilitator may ask you to revise, present, digitize, or select the finished version for your career portfolio.

DECISION QUESTION

KEY FINDING 1

SUPPORTING EVIDENCE

KEY FINDING 2

SUPPORTING EVIDENCE

LIMITATIONS

CONFIDENCE

RECOMMENDED NEXT STEP

REFLECTION

How did you decide what to leave out of your evidence brief?

PORTFOLIO EVIDENCE

Aerial Evidence Brief

Date completed: _____

Revision needed? ☐ Yes ☐ No

Ready for portfolio? ☐ Yes ☐ Not yet

CREATE • ANALYZE • REFLECT

Career Pathway Action Plan

Use this page as your working draft. Your facilitator may ask you to revise, present, digitize, or select the finished version for your career portfolio.

CAREER AREA

WHY IT INTERESTS ME

SKILL TO BUILD

LEARNING ACTION

EXPERIENCE / PROJECT

CONNECTION / MENTOR

PORTFOLIO EVIDENCE TO ADD

TARGET DATE

REFLECTION

What is the smallest next action you can realistically complete first?

PORTFOLIO EVIDENCE

Career Pathway Action Plan

Date completed: _____

Revision needed? ☐ Yes ☐ No

Ready for portfolio? ☐ Yes ☐ Not yet

CREATE • ANALYZE • REFLECT

Final Capstone Presentation & Defense Plan

Use this page as your working draft. Your facilitator may ask you to revise, present, digitize, or select the finished version for your career portfolio.

OPENING / PROBLEM

MISSION CONCEPT

EVIDENCE

SYSTEM DESIGN

SAFEGUARDS

EXPECTED IMPACT

CAREER CONNECTIONS

QUESTIONS I EXPECT

MY RESPONSE STRATEGY

NEXT STEP

REFLECTION

Which question would be hardest for you to answer, and how can you prepare for it?

PORTFOLIO EVIDENCE

Final Capstone Presentation & Defense Plan

Date completed: _____

Revision needed? ☐ Yes ☐ No

Ready for portfolio? ☐ Yes ☐ Not yet