

APPLIED PATHWAY | MIDDLE SCHOOL

Drone Career Explorer

Student Workbook & Career Portfolio

Career-connected. Project-based. Future-focused.

Grades 6-8

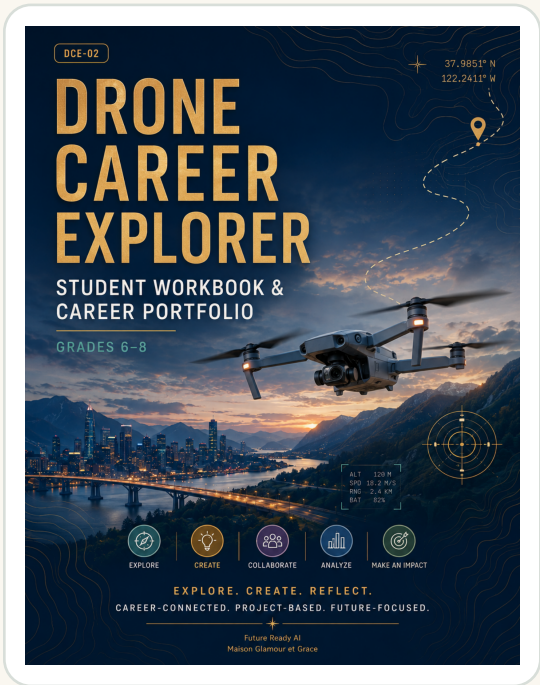
Six-unit career-connected pathway

WHAT THIS PREVIEW SHOWS

- Drone systems and career ecosystems
- Responsible-use decision making
- Sensors, data, AI, and human judgment
- Mission planning and career portfolio development

EVIDENCE OF LEARNING

Portfolio artifacts include a drone ecosystem map, responsible-use guide, sensor-to-decision model, mission brief, industry case, and capstone.



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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FINAL CAREER PORTFOLIO GRADES 6-8

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 Teacher-only guidance, answer keys, unpublished assessments, implementation masters, and full program sequencing remain protected.

DCE-02 • STUDENT EDITION

MY DRONE CAREER EXPLORER WORKBOOK

NAME

SCHOOL / PROGRAM

CLASS / GROUP

HOW TO USE THIS WORKBOOK

EXPLORE

Investigate real problems, industries, careers, sensors, data, logistics, and responsible technology.

CREATE

Build maps, decision guides, mission briefs, industry cases, and a final capstone proposal.

REFLECT

Explain your choices, revise your thinking, and collect evidence of your growth.

YOUR PORTFOLIO IS EVIDENCE OVER TIME.

Keep your strongest work, revisions, reflections, and career discoveries. Your final portfolio should show what you understand, how you think, and where you might want to go next.

COURSE PROMISE

The drone is not the career. It is one tool inside a larger ecosystem of people, technology, evidence, responsibility, and opportunity.

CREATE • APPLY • REFLECT

Drone Ecosystem Map

Use this page as your working copy. Your teacher may ask you to revise, present, or add the finished version to your career portfolio.

PEOPLE

TECHNOLOGY

DATA

PROCESS

PURPOSE

SAFEGUARDS / HUMAN DECISION

CONNECTIONS: Draw arrows or write how the parts depend on one another.

REFLECTION

What part of the drone ecosystem became more important to you after this lesson, and why?

PORTFOLIO EVIDENCE

Drone Ecosystem Map draft

Date completed: _____

Revision needed? ☐ Yes ☐ No

CREATE • APPLY • REFLECT

Responsible Use Decision Guide

Use this page as your working copy. Your teacher may ask you to revise, present, or add the finished version to your career portfolio.

PURPOSE

STAKEHOLDERS

BENEFITS

RISKS

SAFEGUARDS

MISSING INFORMATION

RECOMMENDATION

Approve, revise, postpone, or do not proceed. Support your recommendation with evidence.

REFLECTION

How did missing information affect your recommendation?

PORTFOLIO EVIDENCE

Responsible Use Decision Guide

Date completed: _____

Revision needed? ☐ Yes ☐ No

CREATE • APPLY • REFLECT

Sensor-to-Decision Model

Use this page as your working copy. Your teacher may ask you to revise, present, or add the finished version to your career portfolio.

QUESTION

SENSOR

DATA

INTERPRETATION

VERIFICATION

HUMAN DECISION

HUMAN-IN-THE-LOOP

Circle or explain where people must verify, interpret, or decide.

REFLECTION

Where should a human check, interpret, or question an automated output?

PORTFOLIO EVIDENCE

Sensor-to-Decision Model

Date completed: _____

Revision needed? ☐ Yes ☐ No

CREATE • APPLY • REFLECT

Mission Planning Brief

Use this page as your working copy. Your teacher may ask you to revise, present, or add the finished version to your career portfolio.

MISSION PURPOSE

STAKEHOLDERS

INFORMATION NEEDED

TEAM ROLES

CONSTRAINTS

SAFEGUARDS

DELIVERABLE + SUCCESS CRITERIA

What will the team produce, and how will you know it is useful?

REFLECTION

Which planning decision most affects whether the mission will produce useful evidence?

PORTFOLIO EVIDENCE

Mission Planning Brief

Date completed: _____

Revision needed? ☐ Yes ☐ No

SHOW YOUR GROWTH

MY PORTFOLIO SHOWCASE

Choose evidence that tells the story of how your thinking, skills, and career awareness developed across the course.

ARTIFACT	WHAT IT SHOWS ABOUT MY LEARNING	SHOWCASE?
Drone Ecosystem Map		☐
Responsible Use Decision Guide		☐
Sensor-to-Decision Model		☐
Mission Planning Brief		☐
Industry Systems Case		☐
Drone Career Challenge		☐

MY STRONGEST ARTIFACT

Which artifact best represents your growth? Why?

MY BEST REVISION

Which before-and-after example shows how your thinking improved?