

CORE K-12 PATHWAY | MIDDLE SCHOOL

AI Explorers

Student Workbook

Analyze. Audit. Verify. Evaluate. Design.

Grades 6-8

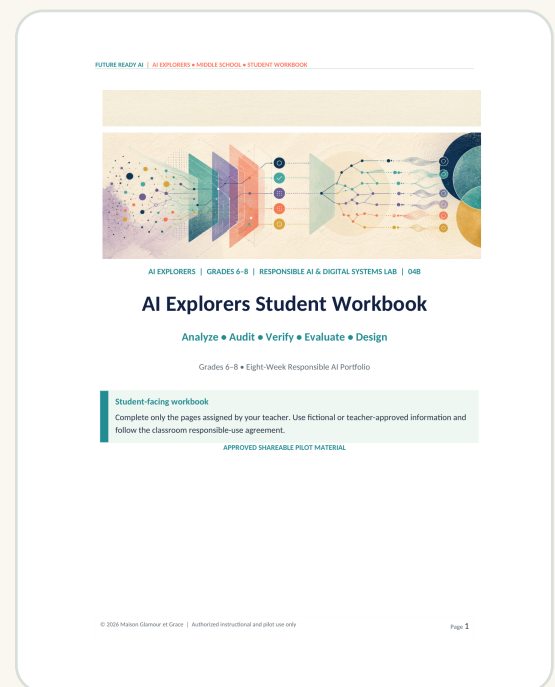
Eight-week responsible AI portfolio

WHAT THIS PREVIEW SHOWS

- Systems and data analysis
- Evidence verification and media literacy
- Stakeholder impact and accountability
- Responsible redesign and portfolio evidence

EVIDENCE OF LEARNING

Students work as responsible technology analysts and document claims, evidence, uncertainty, impact, and design decisions.



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 Teacher-only guidance, answer keys, unpublished assessments, implementation masters, and full program sequencing remain protected.

PORTFOLIO ORIENTATION

Your role: responsible technology analyst

Use this portfolio to document claims, evidence, uncertainty, impact and design decisions. Direct access to an AI tool is not required. Strong analysis changes when stronger evidence appears.

Analytical practice	Question to apply
Model the system	What information enters, how is it transformed, what is produced and who acts on it?
Evaluate the evidence	Which sources support the claim, what is missing and what would change the conclusion?
Assess stakeholder impact	Who benefits, who carries risk and who may be excluded or misrepresented?
Define accountability	Who reviews, explains, corrects, handles appeals and authorizes final action?
Compare solution options	Would a process change, checklist, conversation or non-AI tool meet the need with less risk?

Before you submit

Remove names and personal details. Cite or name the source of important claims. Disclose meaningful AI assistance if your teacher approved its use.

My name or classroom code

Response

One question I have about AI-supported systems

Response

WEEK 1 • PORTFOLIO

AI Systems Analysis: Inputs, Outputs & Human Oversight

How does an AI-supported system transform information into an output, and where must human oversight remain?

Fictional scenario A music app suggests a study playlist using listening history, skips and likes.	
System part	What I notice
User/goal	
Inputs	
Pattern or rule	
Output	
Human decision	
Limit/error	

This system is / is not AI-supported because...

Response

Exit reflection

Something I understand better—and one question I still have

Response

WEEK 4 • PORTFOLIO

Verification Lab: Claims, Sources & AI Reliability

How can we decide whether an AI-generated answer is trustworthy enough to use?

Fictional scenario

A chatbot claims that a city banned all delivery drones in 2024 and cites an unfamiliar blog.

Truth-check step	Evidence
Original claim and source	
Credible check 1	
Credible check 2	
What agrees or conflicts?	
Conclusion and confidence	

My corrected or carefully limited statement

Response

Exit reflection

Something I understand better—and one question I still have

Response

WEEK 6 • PORTFOLIO

Synthetic Media, Influence & Digital Citizenship

What should we check before believing or sharing media that may have been created or altered with AI?

Fictional scenario

A short video appears to show the principal announcing a surprise school closure, but it comes from an unknown account.

Check	What I found
Original source/account	
Official or primary source	
Independent corroboration	
Context/date/location	
Provenance or edit clues	
Share / check / stop decision	

The responsible message I would send is...

Response**Exit reflection**

Something I understand better—and one question I still have

Response

WEEK 8 • PORTFOLIO

Responsible AI Design Challenge

How can we present a useful idea while being honest about safeguards, limits and human responsibility?

Fictional scenario

Teams refine the approved problem brief from Week 7 into a responsible solution concept.

Design decision	Our responsible choice
Need and intended user	
Minimum necessary input	
Output and explanation	
Human reviewer/final authority	
Privacy/fairness/access safeguards	
Fallback	
Stop rule	

The most important limitation we will explain

Response

Exit reflection

Something I understand better—and one question I still have

Response