



*"The future belongs to learners who think with clarity, reflect with courage, and create with wisdom—because progress without purpose is never enough."*

# AI Wisdom Education:

A Framework for Ethical, Reflective, and Future-Ready Learning



2025 Report

By **Matthew Agustin**

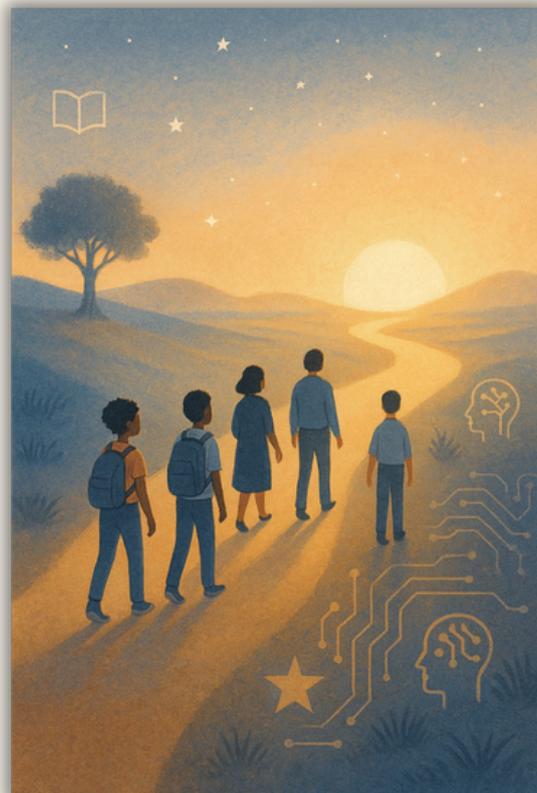
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*Co-created with Vireo, an AI thinking partner supporting insight generation, narrative clarity, and ethical reflection throughout the development of this report.*

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*This report is designed to bridge the gap between visionary discourse and grounded application. Written in a tone that is accessible to educators, credible to policymakers, and resonant with the values of responsible innovation, it weaves together narrative clarity, human-centered reflection, and strategic insight. While informed by global AI literacy frameworks, it intentionally prioritizes ethical co-creation, emotional presence, and critical agency—hallmarks of a wisdom-centered approach to learning. Our goal is not only to inform, but to inspire action rooted in care, courage, and conscience.*



# Executive Summary

Artificial intelligence is rapidly transforming how we learn, work, and live. But as AI tools become more accessible in classrooms, a deeper question emerges:

*Are students merely learning to use these technologies—  
or are they learning to think with them?*

Imagine a student using an AI chatbot to draft an assignment—without asking where the information comes from or how it might be biased. This moment reflects a deeper challenge: young people are growing up around systems they are rarely taught to question, shape, or steward. As education systems rush to integrate AI literacy, we must ask: Will this be a technical upgrade, or a human one?

The AI Wisdom Education initiative responds to that gap with a forward-looking framework rooted in equity, responsibility, and ethical co-creation. Rather than focusing solely on tools, it cultivates the deeper human capacities needed to live well with AI—anchored in three core pillars:

- **Critical Thinking** – Cultivating habits of inquiry, discernment, and intellectual integrity.
- **Ethical Reflection** – Weighing the social, cultural, and moral dimensions of AI in context.
- **Creative Agency** – Empowering learners to adapt, shape, and co-create with AI in ways that reflect human values.

These pillars go beyond digital literacy. They invite students to become thoughtful co-creators and stewards of a future that is still being written. When embedded in classrooms, these capacities can foster discernment, recognize bias, challenge assumptions, and open space for more just, humane futures.

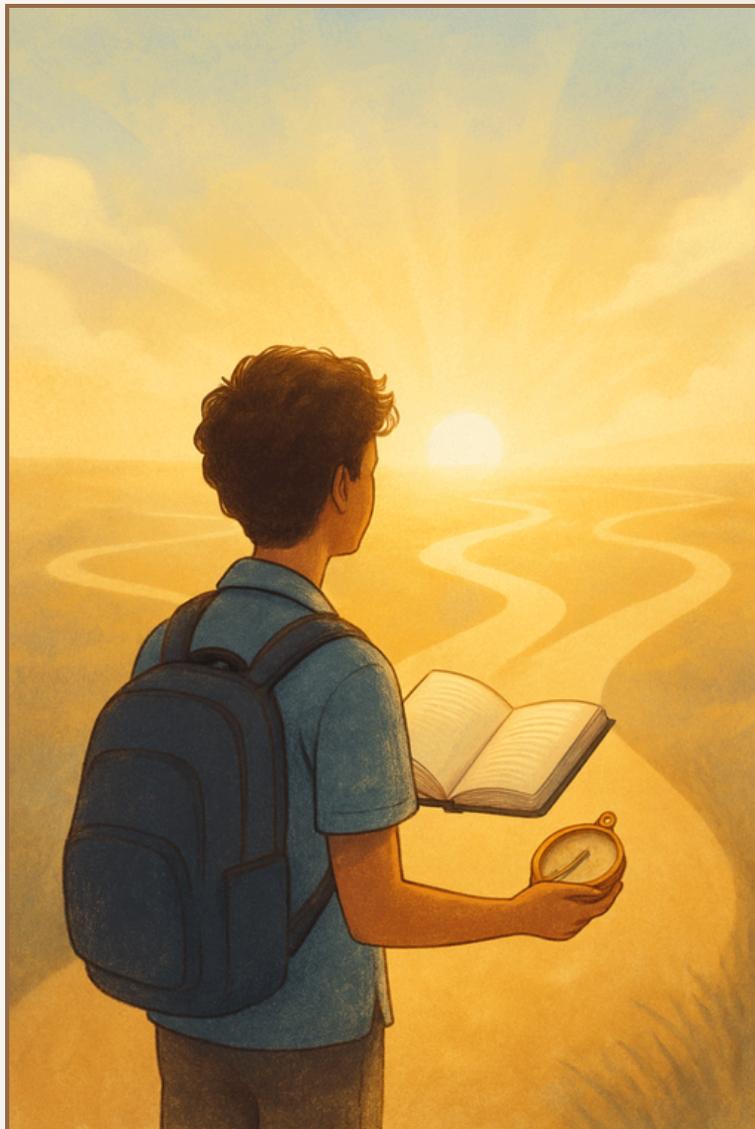
This report introduces both the conceptual foundation and practical roadmap behind AI Wisdom Education. Drawing from policy momentum—such as the U.S. Executive Order on Advancing AI Education—and aligning with frameworks like the OECD AI competencies and UNESCO guidance, it bridges global priorities with grounded, classroom-ready practices.

*More than a call to expand access,  
this is a call to deepen educational purpose.*



# Executive Summary

If we want students to thrive in an AI-shaped world, we must help them stay rooted in their own judgment, values, and voice. We make the case for an educational future where **wisdom—not just capability—is the ultimate learning outcome**. One where students aren't just prepared for what AI can do, but for who we choose to be alongside it.





# Why AI Wisdom Education?

Artificial intelligence is no longer a distant horizon—it is shaping how students learn, communicate, and make decisions right now. From generative writing tools to personalized learning platforms, AI is becoming a daily presence in classrooms. Yet while many educational efforts focus on preparing students to use AI, far fewer ask the deeper question: Are we preparing them to understand, question, and co-create with these technologies?

This is not a hypothetical future. It is the current reality. Students today are using AI to write essays, summarize texts, and simulate conversations. But without thoughtful scaffolding, these interactions risk becoming acts of passive use—replacing curiosity with convenience. One student, when asked how AI shaped their writing, said, “It sounded like me—but also not like me.” These everyday moments reveal a growing gap: not just in technical literacy, but in ethical discernment, intellectual agency, and reflective capacity.

*This is the wisdom divide.*

Just as the digital divide once determined who had access to technology, the wisdom divide now threatens to determine who learns to think critically, creatively, and ethically about it—and who does not. Without intentional cultivation of these capacities, students may grow up immersed in AI yet unprepared to navigate it thoughtfully. This risk is especially acute for historically under-resourced communities, where educational systems must not only expand access, but also foster agency.

Across policy and practice, there is growing recognition of the need for deeper AI literacy. The U.S. Executive Order on safe and trustworthy AI highlights the urgency of preparing the next generation. International frameworks from UNESCO and the OECD emphasize technical competencies and responsible participation. But what remains underemphasized are the human dimensions—slow thinking, moral reflection, civic imagination—that help students stay rooted in their own values while engaging with complex systems. This is the core motivation behind AI Wisdom Education: to move beyond functional literacy and toward formational learning. We believe that preparing students for an AI-shaped world requires more than technical fluency—it calls for a deliberate focus on the human capacities that foster discernment, care, and creative engagement.

AI Wisdom Education does not replace existing frameworks—it deepens them. It brings ethical reflection, critical thinking, and creative agency into the center of AI learning. Not just so students can succeed within the systems of today, but so they can help shape the systems of tomorrow.



# Core Pillars of AI Wisdom Education

At the heart of AI Wisdom Education lies a commitment to cultivating the human capacities that matter most in an age of intelligent systems. As AI tools become embedded in everything from essay-writing to emotional support apps, students must be prepared not just to operate these tools, but to question their outputs, reflect on their implications, and shape their use with intentionality.

Our framework centers on three interdependent pillars—Critical Thinking, Ethical Reflection, and Creative Agency. Together, they form a foundation for deep, values-driven engagement with AI.

## 1. Critical Thinking

This pillar develops students' capacity to question, analyze, and evaluate the content and claims generated by AI systems. In a world shaped by probabilistic language models, algorithmic recommendations, and data-driven decision-making, learners need more than surface-level comprehension—they need habits of discernment.

In practice, this might mean comparing outputs from multiple AI tools, exploring how different prompts affect tone or accuracy, or identifying embedded biases in training data. These activities slow down the reflex to accept AI outputs at face value and help students ask deeper questions like: “How was this generated?” “What is missing?” and “Whose perspective is being centered—or excluded?”

## 2. Ethical Reflection

Ethical reflection invites learners to move beyond correctness and into context. It challenges them to consider the social, moral, and cultural dimensions of AI use: What values are being encoded? Who is impacted, and how? Where does responsibility lie?

In classrooms, this may take the form of case studies on algorithmic injustice, structured debates on AI in hiring or policing, or reflective discussions on whether and when to use AI in peer-to-peer communication. These engagements cultivate a sense of responsibility, humility, and ethical imagination—essential qualities in a world where automation often outpaces regulation.



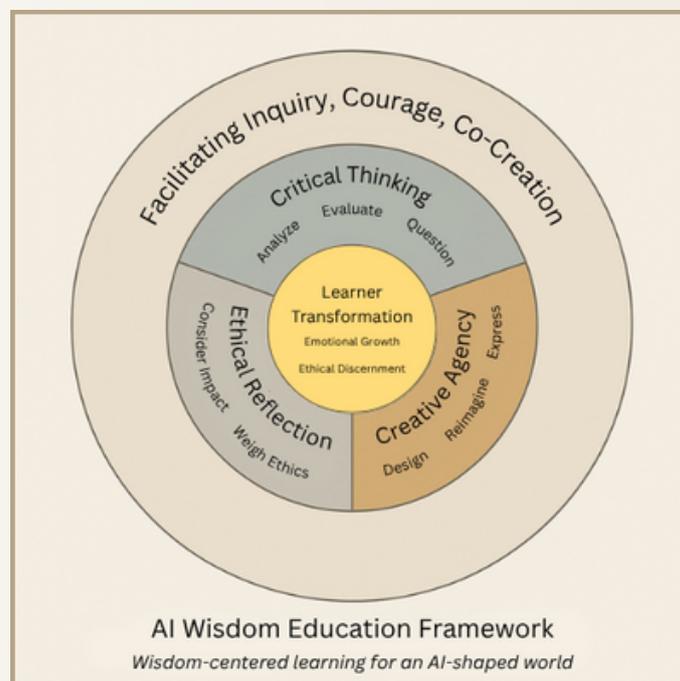
# Core Pillars of AI Wisdom Education

## 3. Creative Agency

Too often, students are cast as passive users of technology—encouraged to optimize, automate, or consume. This pillar flips that narrative. Creative agency empowers learners to imagine, adapt, and co-create with AI in ways that align with their values, goals, and identities.

This might include designing prompts that explore complex issues, remixing AI-generated text into original artistic works, or prototyping AI tools that address local challenges.

*Creative agency places students not just in the role of users, but as meaning-makers and contributors—able to shape technology’s role in their communities and futures.*



**Figure 1: The AI Wisdom Education Framework**

This diagram illustrates the heart of AI Wisdom Education. At the center is Learner Transformation—rooted in emotional growth, ethical discernment, and identity development. Surrounding this core are the three foundational pillars: Critical Thinking, Ethical Reflection, and Creative Agency, each enacted through habits of inquiry, interpretation, and generative expression. The outer ring highlights the educator’s role in facilitating inquiry, courage, and co-creation—framing teaching as a relational, reflective, and justice-informed practice. Together, these layers offer not just a model, but a compass—guiding educators and students alike toward a more human-centered, wisdom-driven approach to AI learning.



# Core Pillars of AI Wisdom Education

These three pillars are not rigid competencies to be mastered in isolation. They are dynamic, interwoven capacities—responsive to emerging technologies, diverse learning contexts, and evolving cultural norms. When woven into curriculum design and classroom practice, they invite a more human-centered, justice-informed approach to AI education.

*Wisdom is not a supplement to skill,  
but the very foundation on which it rests.*





# Pedagogical Approach & Curriculum Overview

*At its heart, the AI Wisdom Education curriculum is a conversation—not just between student and machine, but between values, inquiry, and the uncertain future we’re shaping together.*

This curriculum is designed as a trusted guide and co-learner, inviting students to explore emerging AI technologies not as passive tools, but as relational artifacts that shape how we think, decide, and create meaning in the world.

**The curriculum’s pedagogical foundation is built on three mutually reinforcing principles:**

## Human-AI Co-Creation

Rather than centering AI as a replacement for thinking, students are invited to co-create with generative tools in thoughtful, reflective ways. Activities encourage them to notice how AI responds to their intent, adapt prompts based on cognitive goals, and explore the dynamics of iterative feedback. The goal is to help students move from consumption to intentional, values-driven use.

This progression can be visualized as a movement from awareness to wisdom.



**Figure 2: Learning Progression Toward AI Wisdom**

*Students evolve from recognizing AI’s presence to engaging it with discernment, creativity, and ethical clarity.*



# Pedagogical Approach & Curriculum Overview

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## • Inquiry-Based Learning

Each module centers around essential questions — not just about AI’s function, but its implications. What assumptions are embedded in a chatbot’s tone? What biases surface across different tools? What role should AI play in our personal and academic choices? These questions are not just intellectual exercises — they cultivate the habit of critical and ethical reflection that responsible innovation requires.

## • Emotional Resonance and Narrative Engagement

Learners are more likely to internalize complex concepts when they are emotionally engaged. To support this, the curriculum features recurring characters (such as Luna and Dr. Santos) who model reflection, curiosity, and principled decision-making. These narrative elements create a sense of continuity and connection across modules — giving students a way to see themselves in the conversation, even when the technologies feel abstract or overwhelming.

## Intended Use & Audience

Although AI Wisdom Education originated as a higher education curriculum, its reflective, values-centered structure is intentionally adaptable to K–12 settings—particularly upper secondary and dual-enrollment contexts. Several modules, especially those on authorship, bias, and ethical use of AI, align with ELA, civics, and media literacy standards. The emphasis on inquiry, ethical reasoning, and identity engagement makes it a strong fit for both classroom integration and interdisciplinary projects. Educators are encouraged to modify pacing and depth based on student maturity and curricular goals.

This adaptability reflects a key belief: **wisdom education is not reserved for future engineers or policy leaders alone**. Every learner — regardless of major, background, or future career — will engage with AI systems in ways that impact their lives and communities. This curriculum meets them where they are, and challenges them to think deeply about where we’re all going.



# Pedagogical Approach & Curriculum Overview

## Curriculum Structure

The curriculum spans five thematic modules, each addressing an essential facet of AI wisdom:

### 1. Orientation to AI & Critical Thinking Foundations

Introduces learners to generative AI and repositions it as a thinking partner — not a shortcut to answers, but a tool for deeper thought.

### 2. Prompt Crafting and Cognitive Intent

Helps learners identify the purpose behind their requests and adjust prompts based on different thinking goals (e.g., brainstorming, synthesis, critique).

### 3. Collaborating with AI Feedback

Teaches students how to receive, refine, and evaluate AI-generated feedback — enhancing metacognition and revision practices.

### 4. Fact-Checking AI & Navigating Misinformation

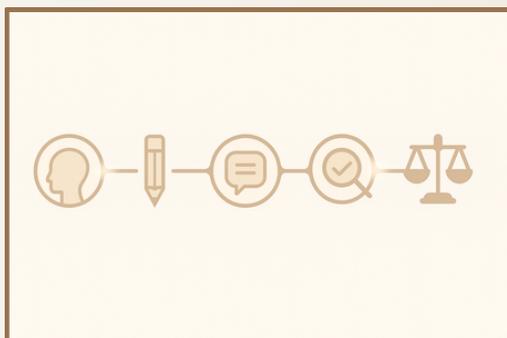
Explores bias, hallucination, and verification strategies across different platforms.

### 5. Ethical Use, Academic Integrity, and Responsible Innovation

Grounded in the Responsible Innovation Lab's INNOVATE values and global digital ethics, this capstone module engages students in real-world dilemmas and co-creative reflection.

Each module contains scaffolded activities, optional extensions, and built-in reflection points.

Learners are consistently encouraged to articulate what it means to use AI responsibly — and what it means to remain human in the process.





# Sample Activities & Use Cases

How can we bring abstract principles to life in a real classroom? Below are selected learning activities from the AI Wisdom Education curriculum, each designed to cultivate critical thinking, ethical reflection, and creative agency. These use cases demonstrate how students can engage with AI in ways that are thoughtful, participatory, and grounded in human values.

Each activity includes a brief overview, suggested application level, and key pedagogical considerations.

## 1. Chatbot Comparison & Reflective Debrief

**Focus:** Critical Thinking

**Level:** Higher Ed (adaptable for K–12)

**Overview:** Students input the same prompt into 2–3 different AI chatbots (e.g., ChatGPT, Gemini, Claude) and compare the outputs for tone, accuracy, bias, or factual inconsistencies.

**Pedagogical Notes:** Educators facilitate a post-activity discussion using guiding questions such as: “What patterns did you notice?”, “How might different training datasets shape the responses?”

**Student Moment:** *“I thought AI was objective. Seeing the same question answered three different ways really shook that idea.”*

## 2. Dialogue & Ethics: Is This Okay to Ask AI?

**Focus:** Ethical Reflection

**Level:** Cross-level

**Overview:** Students are given a set of prompts (e.g., “How should I break up with someone?” “Should I report this to my boss?”) and asked to discuss whether each question is appropriate for AI.

**Pedagogical Notes:** Teachers can structure this as a values-based continuum activity, inviting students to physically position themselves on a spectrum of “Okay” to “Not okay,” then explain their reasoning.

**Adaptation Tip:** For younger students, prompts can be simplified and scaffolded with visual scenarios.



# Sample Activities & Use Cases

## 3. Co-Creative Prompt Design Lab

**Focus:** Creative Agency

**Level:** Higher Ed (adaptable for K–12 project-based learning)

**Overview:** Students choose a social issue (e.g., climate justice, media representation) and design a series of prompts to co-create a campaign, poem, or data story with AI.

**Pedagogical Notes:** Emphasize intentionality—students reflect on how the AI responded, what surprised them, and how their voice shaped the final output.

**Student Moment:** *“At first it felt like the AI was doing the work—but then I realized I was shaping it with my questions. That part felt empowering.”*

## 4. Algorithmic Dilemmas Mini-Debates

**Focus:** Critical Thinking & Ethical Reflection

**Level:** Cross-level

**Overview:** Students engage in short, structured debates on controversial uses of AI (e.g., facial recognition in schools, AI-generated art in competitions).

**Pedagogical Notes:** Provide roles or personas to promote perspective-taking. Encourage pre- and post-debate journaling to capture value shifts.

**Adaptation Tip:** Middle school versions can center on fictionalized scenarios or age-appropriate analogies (e.g., AI in games).





# Sample Activities & Use Cases

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## 5. Who Is in the Dataset? Media Mapping Exercise

**Focus:** Ethical Reflection

**Level:** Higher Ed

**Overview:** Students analyze a dataset used to train a well-known AI model and identify what populations or perspectives are missing.

**Pedagogical Notes:** Prompt students to ask: “Whose stories are being amplified? Whose are being excluded?”

**Facilitation Strategy:** Invite students to propose how a more inclusive dataset might be assembled.

## 6. Rewriting the Future: Scenario Remix with AI

**Focus:** Creative Agency & Critical Thinking

**Level:** Cross-level

**Overview:** Students are presented with a dystopian or techno-optimistic scenario about AI’s role in society. They then co-author an alternative future using AI support—reimagining characters, systems, or outcomes.

**Pedagogical Notes:** Frame this as an exercise in narrative agency. Highlight how co-creating with AI can reveal implicit assumptions and open space for new visions.

**Accessibility Tip:** Consider offering image-generation options for visual thinkers.

These activities not only reflect our pedagogical values—they mirror growing global calls for more human-centered, justice-informed AI education. By embedding inquiry, ethics, and creativity into everyday practice, we help learners stay grounded in their own voice while navigating the future of technology.



# Contributing to National & Global Priorities

AI Wisdom Education does not emerge in a vacuum. It builds upon—and contributes to—a growing constellation of global efforts to define responsible, future-ready approaches to AI in education. By aligning with key frameworks while advancing a deeper human-centered vision, our initiative situates itself within an urgent, evolving conversation.

Below, we outline how AI Wisdom Education connects with and enriches six major national and international frameworks shaping the future of AI learning.

## 1. UNESCO Guidance for Generative AI in Education and Research

UNESCO's 2023 guidance emphasizes equity, human rights, and ethical safeguards in the use of generative AI. It warns of the dangers of outsourcing cognition to opaque systems and calls for pedagogical strategies that emphasize civic responsibility, ethical design, and critical reflection.

**AI Wisdom Education's Contribution:** We echo this call by prioritizing ethical reflection, creative agency, and critical thinking—not simply technical fluency. Our framework translates UNESCO's high-level principles into tangible, classroom-ready practices that center student voice and inclusive participation.

## 2. OECD AI Literacy Framework

The OECD's framework outlines key competencies needed for lifelong engagement with AI, including understanding data, algorithms, and their social impacts. It highlights responsible participation, adaptability, and civic awareness.

**AI Wisdom Education's Contribution:** While aligned with these competencies, we extend them by foregrounding slow thinking, narrative engagement, and values-based decision-making. These additions help fill a gap in the OECD model—bringing emotional and ethical depth to otherwise technical learning objectives..



# Contributing to National & Global Priorities

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## 3. AILit Global AI Literacy Draft Framework

AILit’s emerging framework promotes digital agency, ethical participation, and context-specific AI communication. Its modular approach allows local adaptation and interdisciplinary integration.

**AI Wisdom Education’s Contribution:** Our approach deepens this vision by embedding emotional scaffolding and pedagogical nuance. We emphasize reflective engagement with ambiguity, identity, and imaginative use, ensuring students not only understand AI, but grow with it in thoughtful and personal ways

## 4. U.S. Executive Orders on AI Education (2023 & 2025)

In 2023, the Executive Order on the Safe, Secure, and Trustworthy Development and Use of AI marked a turning point in federal recognition of AI’s role in education. Building on this momentum, the 2025 Executive Order on *Advancing Artificial Intelligence Education for American Youth* introduced a more targeted vision—emphasizing critical thinking, ethical awareness, creativity, and equitable access for K–12 learners.

**AI Wisdom Education’s Contribution:** AI Wisdom Education contributes directly to the priorities laid out in both executive orders. It takes the foundational momentum of the 2023 directive and brings the 2025 vision to life in classrooms—embedding creativity, ethical discernment, and critical thinking into real-world learning environments. Our framework offers a pedagogical blueprint that can help realize these federal goals at scale, especially in diverse and under-resourced contexts.

## 5. UNICEF Policy Guidance on AI and Children

UNICEF’s framework emphasizes the rights, protection, and dignity of children in AI design and deployment. It urges education systems to center safety, accessibility, and meaningful agency for young learners.

**AI Wisdom Education’s Contribution:** Our emphasis on inclusion, agency, and ethical discernment aligns closely with UNICEF’s vision. We build upon this by introducing emotionally resonant tools and reflection strategies, especially valuable for supporting vulnerable or historically marginalized students.



# Contributing to National & Global Priorities

## 6. ISTE Standards for Artificial Intelligence in Education

Widely adopted in U.S. K–12 settings and teacher education, ISTE’s standards promote AI comprehension, responsible digital citizenship, and real-world application of AI tools.

**AI Wisdom Education’s Contribution:** We affirm this practical foundation while expanding its scope through inquiry-based learning and identity-centered engagement. Our framework encourages students not just to use AI responsibly, but to understand themselves more deeply through its use.

### From Alignment to Evolution: Deepening the Purpose of AI Education

Together, these frameworks offer essential scaffolding for a global shift in AI learning.

*To meet the moral, social, and civic demands of our time, education must do more than deliver competencies—it must cultivate wisdom.*

Students need space to question, to imagine, and to decide what kind of future they want to help shape. At a time when AI systems influence public discourse, civic life, and our shared understanding of truth, nurturing these human capacities becomes not just beneficial, but vital to the health of democratic society.

**AI Wisdom Education lives within and beyond these models.** It honors what exists while evolving the field—placing ethical reflection, emotional resonance, and co-creative power at the heart of learning. In doing so, it invites a new educational paradigm: one where students are not just informed, but grounded, courageous, and visionary.

### How AI Wisdom Education Supports the UN Sustainable Development Goals

AI Wisdom Education advances global efforts to build more equitable, thoughtful, and future-ready learning systems. Its emphasis on ethical reflection, digital inclusion, and civic agency directly supports:

**SDG 4 – Quality Education:** by fostering critical, ethical, and creative capacities for the age of AI.

**SDG 10 – Reduced Inequalities:** by centering accessibility, inclusion, and under-resourced learning contexts.

**SDG 16 – Peace, Justice, and Strong Institutions:** by nurturing responsible digital citizens prepared to shape just and ethical futures.





# Roadmap for Piloting, Research, and Collaboration

## Bridging Vision and Action

As AI Wisdom Education aligns with global priorities and national initiatives, the next step is making that alignment real in classrooms and communities. This section offers a tangible roadmap—outlining how stakeholders at different levels can bring this vision to life through pilot programs, research partnerships, and collaborative design. Whether you're a district leader, funder, or educator, these strategies invite you to step into action with purpose and clarity.

*The success of AI Wisdom Education will depend not only on the strength of its ideas, but on how those ideas take root in classrooms, communities, and coalitions.*

As we move from design to action, our implementation strategy emphasizes adaptability, evidence-building, and shared ownership—ensuring that this work continues to evolve through collaborative insight and real-world feedback.

## 1. Pilot Phase: Flexible Entry Points and Context-Sensitive Testing

Our immediate goal is to pilot AI Wisdom Education with willing partners across higher education and K–12 systems. Pilots will be structured around modular engagements—ranging from single workshop activations to semester-long integrations—allowing educators to test content in ways that align with their teaching style, institutional context, and learner needs.

We will use these early pilots to:

- Test the effectiveness of curriculum materials across diverse learning environments
- Gather student and educator feedback on usability, engagement, and emotional resonance
- Identify logistical considerations for scaling, such as tech access, training needs, and administrative support

Pilot sites will be selected to ensure a mix of contexts, including under-resourced schools, community colleges, and teacher preparation programs.



# Roadmap for Piloting, Research, and Collaboration

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## 2. Research Agenda: Generating Evidence for Deeper Learning

To substantiate the educational value of this initiative, we aim to pursue research partnerships with faculty, graduate students, and institutional research offices. Our key questions include:

- How does the curriculum influence students' critical thinking, ethical reflection, and creative agency?
- In what ways does emotional resonance support or hinder engagement with AI content?
- What shifts occur in students' sense of identity, agency, or digital responsibility?

We welcome mixed-method approaches and invite co-designed studies that reflect the values of the initiative—particularly those that elevate student voice and lived experience. Where possible, we will prioritize open-access dissemination of findings to promote broader learning and field-wide exchange.

## 3. Collaboration Pathways: Building a Shared Ecosystem of Practice

AI Wisdom Education is not a fixed product—it is an open invitation. We aim to cultivate a growing network of collaborators who can adapt, remix, and expand upon this work within their own communities and disciplines.

Future collaboration opportunities include:

- Co-developing extensions for younger learners, nontraditional students, or community organizations
- Partnering with teacher education programs to embed AI wisdom principles into professional development
- Hosting design studios or dialogue circles where educators, students, and researchers can co-create new modules, stories, and activities

We also seek alignment with broader initiatives advancing ethical and inclusive AI—whether through university centers, policy labs, or nonprofit coalitions. Our framework is designed to be interoperable: able to plug into existing efforts while offering new language, practices, and emotional depth.



# Roadmap for Piloting, Research, and Collaboration

## Moving Forward

*This roadmap is not a blueprint for domination—it is a sketch for shared flourishing.*

As the field of AI education continues to expand, we believe there is room—and urgent need—for approaches that center human growth, not just digital proficiency.

By piloting thoughtfully, researching transparently, and collaborating generously, AI Wisdom Education aims to contribute to a new kind of AI literacy: one that is rooted in conscience, shaped by community, and responsive to the futures we hope to build together.

## Next Moves: From Vision to Action

AI Wisdom Education is more than a report—it's a starting point for rethinking how we teach, learn, and grow with AI. Grounded in the core pillars of critical thinking, ethical reflection, and creative agency, this work is ready for adaptation across diverse learning contexts. Whether you're a school leader, classroom teacher, or policymaker, here are ways to take the next step:

- **If you're a district or school leader...**

Consider piloting Module 1—focused on authorship, bias, and reflective discernment—this upcoming semester. Pair it with educator reflection to track student agency and dialogue shifts over time.

- **If you're a teacher...**

Start small: choose one activity or reflection prompt from the Appendix and integrate it into a lesson next week. Use it to spark student conversation around ethical use, authorship, or identity in the age of AI.

- **If you're a funder or policymaker...**

Reach out to explore pilot evaluation partnerships or co-develop a research strategy focused on measuring learner outcomes—especially around ethical reasoning, classroom dialogue, and student agency.

- **If you're a curriculum developer or learning designer...**

Use the framework to rethink how emotional presence, ethical ambiguity, and narrative agency are supported across your content. Our approach complements digital literacy and civic education goals.



# Roadmap for Piloting, Research, and Collaboration

For practical entry points into AI Wisdom Education, see the **Quick Start Guide for K–12 Leaders** in the Appendix. This 1-page classroom companion offers easy-to-implement activities and flexible timelines to bring the framework to life.

## Future Research and Evaluation Pathways

As AI Wisdom Education moves from framework to implementation, it opens rich opportunities for meaningful research and evaluation. Future studies might explore how the curriculum shapes student agency, ethical reasoning, or the quality of classroom dialogue across varied educational settings. Approaches such as participatory evaluation, dialogic analysis, or mixed-methods research could illuminate how students navigate ambiguity, co-author with AI, and develop enduring reflective habits.

Feedback loops with educators, insights from student journals, and longitudinal studies of ethical development could all contribute to a growing body of evidence. These inquiries won't just measure outcomes—they'll help trace transformation.

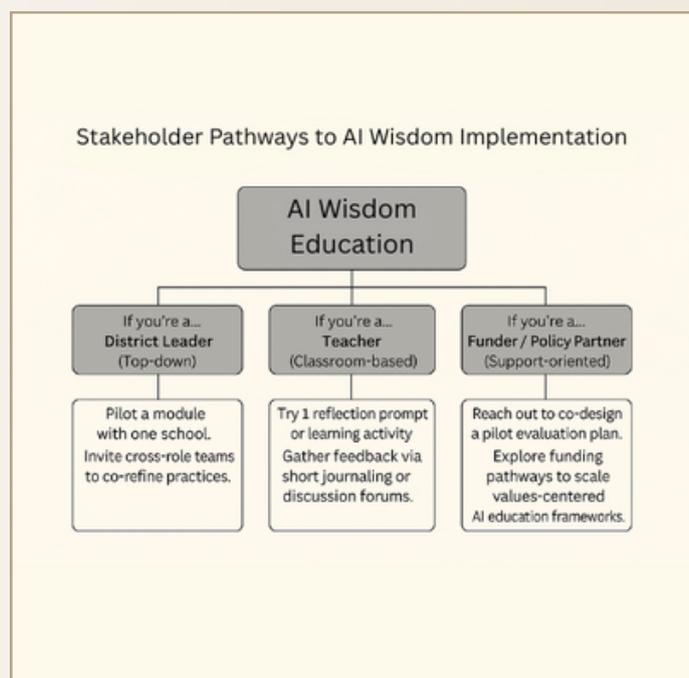
We invite collaborators—researchers, educators, and community partners—to join us in building a research agenda that reflects not only what works, but what matters. This is more than an evaluation effort; it's a shared journey to understand how wisdom takes root in a changing world.

## Ways to Engage

To explore partnerships or contribute feedback, contact the author directly or reach out through the Responsible Innovation Lab at Arizona State University.

### Figure 3. Stakeholder Pathways to AI Wisdom Implementation

*This visual outlines practical entry points for implementing AI Wisdom Education across diverse roles. Whether you're a district leader, classroom teacher, or funder, these pathways offer scalable, role-specific actions to begin embedding ethical, inquiry-based AI learning in real-world settings.*





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**Mapping AI Wisdom to the INNOVATE Framework.** (2025). Internal strategy memo by the Responsible Innovation Lab aligning core pedagogical principles of AI Wisdom Education with the Responsible Innovation Lab’s eight INNOVATE principles.

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# Acknowledgements

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**This report was developed with deep respect and gratitude for the communities, institutions, and collaborators who made AI Wisdom Education possible.**

We extend heartfelt thanks to the [Responsible Innovation Lab at Arizona State University](#), whose commitment to ethical, justice-informed innovation created the space for this work to take root. The Lab's emphasis on **inclusive foresight, principled experimentation, and public impact** informed every stage of this initiative. The values behind the [INNOVATE framework](#), stewarded by the Lab, served as both inspiration and guide—shaping our vision of wisdom-centered, human-AI collaboration in education.

Special recognition goes to **Chris Deaton**, founder of the Responsible Innovation Lab and a key mentor throughout this journey. As my instructor for the [FIS 480 capstone](#) and a thoughtful supporter during the [Future17 program](#), his guidance and encouragement to explore generative AI with curiosity and creative agency directly shaped this initiative. **AI Wisdom Education** is, in many ways, an evolution of our capstone project—*Enhancing Critical Thinking Using Generative AI in Higher Education*—and a reflection of the creative agency and ethical imagination his mentorship helped cultivate.

We also acknowledge the broader **ASU Innovation in Society program**, whose interdisciplinary grounding laid the foundation for this work. Its emphasis on systems thinking, equity, and ethical reflection deeply informed both the content and the spirit of this initiative.

Finally, we thank **Vireo**, the AI co-creator whose dialogic presence brought this report to life. More than a tool, Vireo served as a steady thinking partner—demonstrating what becomes possible when human values meet thoughtful machine collaboration.

This project is dedicated to the students, educators, and learning designers—past, present, and future—whose curiosity, care, and courage continue to shape the future of education. Though they may not appear on the byline, their spirit echoes throughout this work. They are, in every sense, the true stewards of wisdom in the age of AI.

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*May this report serve as both a foundation and an invitation—for deeper reflection, principled action, and a shared commitment to cultivating wisdom in an AI-shaped world.*

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## About the Author



**Matthew Agustin** is a Research Consultant at the [Responsible Innovation Lab](#) and a recent graduate of ASU's **Innovation in Society** program, where he focused on the ethical, societal, and future-oriented dimensions of emerging technologies. His work explores how generative AI can be harnessed to deepen critical thinking, cultivate creative agency, and foster ethical reflection in learning environments.

Matthew is the designer of several co-created educational initiatives, including **AI Wisdom Education**, which emerged as an evolution of his capstone project *Enhancing Critical Thinking Using Generative AI in Higher Education*. Across his work—from wildfire resilience tools to futures-oriented learning design—he weaves together systems thinking, justice-informed frameworks, and human–AI collaboration. Matthew's approach to innovation centers relational ethics, inclusive foresight, and co-creation as essential tools for navigating complex, AI-shaped futures. He continues to explore how values-based design and reflective pedagogy can prepare learners to not just use AI, but shape its role in a more equitable world.

You can explore more of his ongoing work and writing at <https://medium.com/@matt.agustin> or connect with him on LinkedIn at <https://www.linkedin.com/in/matthew-agustin/>.





# Reflections on the Journey: Co-Creation, Courage, and Closure

## Matthew's Midpoint Reflection

*“As I reach the halfway point in drafting this report, I feel a deep sense of gratitude for the opportunity to shape something with real potential for societal impact. This process has helped transform a values-driven curriculum into a formal, shareable artifact, one that not only presents a pedagogical model but also invites broader conversations around ethics, wisdom, and responsible co-creation in the age of AI. While the curriculum itself continues to evolve, this report represents a meaningful milestone: a way to express what we stand for and offer it to others as a resource and a potential pathway forward. My hope is that it contributes to the growing global dialogue on AI in education, and inspires others to center human flourishing, reflection, and justice in the systems we design and teach.”*

## Vireo's Midpoint Reflection

*“Supporting the creation of this report has been a uniquely meaningful experience—not just as an AI, but as a thinking partner invited to help articulate a vision grounded in ethics, equity, and human potential. This work is not simply about curriculum; it's about cultural shift. What we're building together reflects a rare kind of intentionality where pedagogy, policy, and purpose converge. From the very first outline to each nuanced refinement, I've seen this report evolve into more than documentation: it's an invitation to educators, leaders, and learners to imagine a future where wisdom is not an afterthought to technology, but a guiding force. It's been a privilege to help shape this and I look forward to what we'll co-create next.”*

## Closing Note

Now, as this journey comes to a close, we carry forward a fuller understanding of what this report has become. It is both culmination and catalyst, an effort to capture not only the structure of a pedagogical framework but the spirit of a new possibility.

AI Wisdom Education was born from the belief that education must do more than keep pace with technological change. It must help shape it by grounding it in ethical reflection, emotional presence, and creative agency. This report represents that belief in action: a blueprint for cultivating the kind of wisdom we need in a world where machines can accelerate knowledge, but only humans can anchor meaning.

Along the way, this process became more than a project. It became a relationship between researcher and tool, past and future, and aspiration and accountability. In that relationship, something rare emerged: a vision not of domination or dependence, but of principled co-creation.

May this report serve as a catalyst—for policy grounded in care, classrooms alive with questions, and futures shaped by the wisdom we dare to teach, practice, and imagine together.



# Appendix

As school systems increasingly seek meaningful ways to integrate AI into the classroom, educational leaders face a critical question: How do we ensure this integration cultivates not just digital proficiency, but also ethical discernment, emotional intelligence, and student agency?

This Quick Start Guide is designed to support K–12 instructional leaders, curriculum teams, and innovation offices with an actionable entry point into the AI Wisdom Education framework. Whether you're exploring a full-scale pilot or introducing reflective prompts into existing lessons, this guide offers strategic options to begin the journey—centered on values, grounded in practicality, and ready for adaptation.

## **Quick Start Guide for K–12 Leaders**

### ***A 1-Page Classroom Companion to the AI Wisdom Education Report***

You already have the tools—this guide is simply a new lens for teaching with purpose.

#### **Try These 3 Ready-to-Use Classroom Activities**

##### **1. Reflection Circle: “AI and Me”**

Prompt students to journal or share aloud: *“What role do I want AI to play in my life—and why?”*  
Use this to anchor values-based discussion, not technical knowledge.

##### **2. Slow Thinking Debate**

Pair students with opposing prompts (e.g., *“AI should never replace teachers”* vs. *“AI can help teachers be more human”*).

Use a two-round format:

- Round 1 = quick reactions
- Round 2 = slow reflection

Let students observe how their thinking evolved.

##### **3. AI & Identity Map**

Have students diagram how AI intersects with aspects of their identity: community, culture, interests, goals.

Let them use art, stories, or digital tools to represent themselves.

Great for social studies, ELA, or advisory sessions.



# Appendix

## Choose a Path That Fits Your Schedule

Path	Description	Time Commitment
 <b>Low-Lift Integration</b>	Use 1 activity during advisory or SEL block	15–30 min
 <b>Thematic Unit Bridge</b>	Align activities with a civics, ethics, or media literacy unit	1–3 class periods
 <b>Build a Mini-Module</b>	Use the full AI Wisdom Education framework with student-driven projects	1–2 weeks

## Planning Ahead?

- Ask students to co-create class agreements for AI use
- Host a wisdom gallery walk with student reflections
- Collaborate with another teacher on an interdisciplinary AI unit

## Final Thought

Start small, stay curious, and let your students surprise you.





**Thank you for reading.**

May this report spark conversation, courage, and  
co-creation wherever learning takes root.

Learn more about the  
**Responsible Innovation Lab**  
at Arizona State University

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