

Presented By



AI Literacy to AI Coherence: How Educators Can Integrate AI Responsibly in Teaching and Learning

Today's Learning Agenda



Learn core principles for teaching students to use AI ethically and effectively.



Understand system-level strategies for aligning AI tools with curriculum, pedagogy, and policy.



Identify risks in AI adoption and strategies for mitigating them.



Apply reflective questions and practical tools to guide AI integration in their own contexts.

How to Engage During this Webinar

- Feel free to engage with one another in the chat throughout the webinar.
- Questions can also be typed into the Q&A box.
- Questions will not be answered during the discussion portion of the webinar.
- Thank you for being here with us today to chat about AI!

Today's Speakers



**Dr. Douglas
Fisher**
**San Diego State
University**



**Dr. Nancy
Frey**
**San Diego State
University**

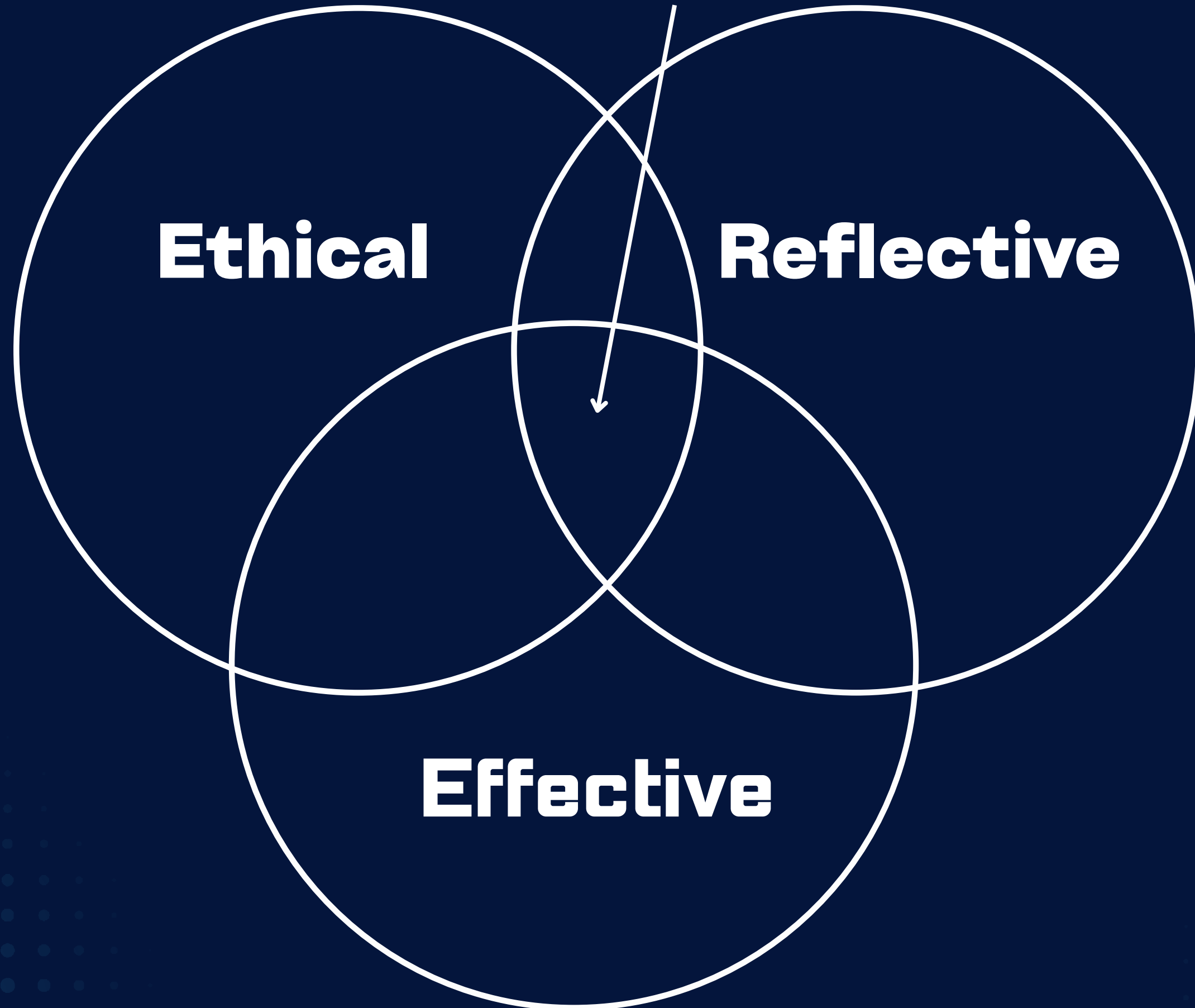


**Dr. Lorena
Aceves**
Child Trends



**Claire
Kelley**
Child Trends

Educational AI should be here



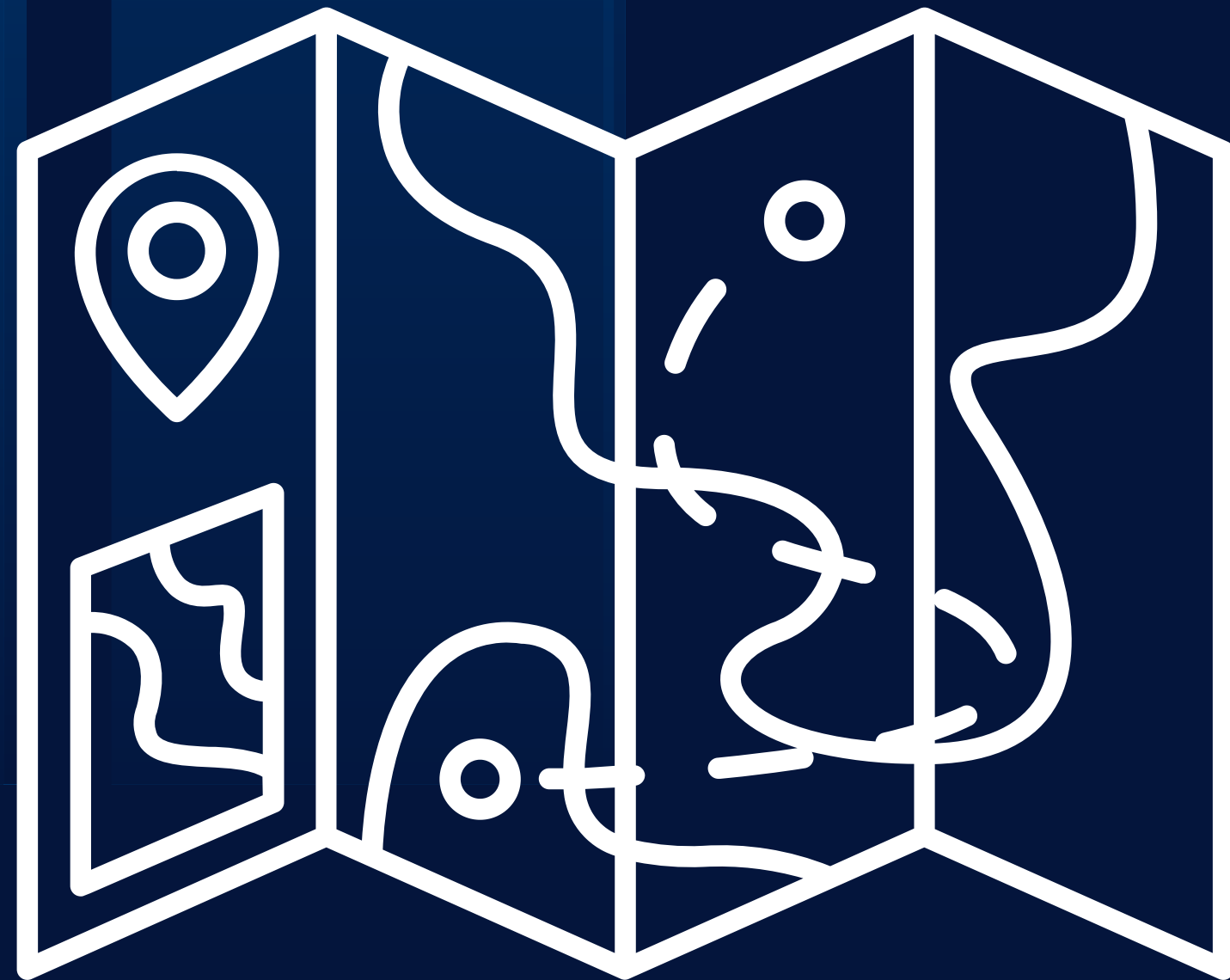
Why AI in Education Needs Both Ethics and Coherence?



**Featuring
Dr. Douglas Fisher
San Diego State
University**

Frameworks for System Level AI Integration

**Featuring
Claire Kelley
Child Trends**



Child Trends' AI Frameworks

FRAMEWORK FOR COHERENT AI USE IN K-12

Ensuring AI adoption is technologically, curricularly, pedagogically, and implementation coherent.

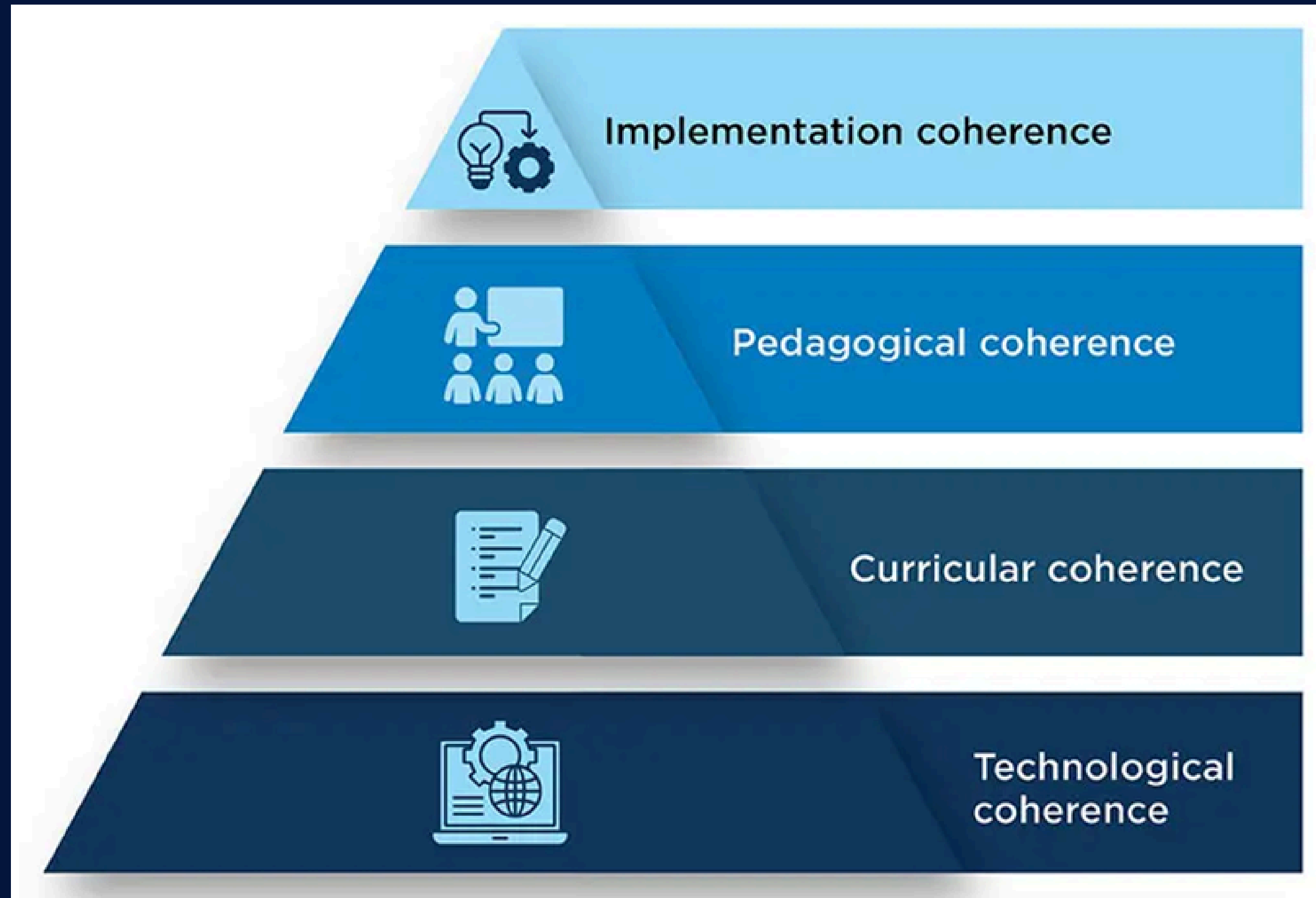
AI-CLASS FRAMEWORK

Supporting safe and productive AI-assisted teaching and learning through awareness, knowledge, collaboration, alignment, and safety practices.

AI RISK FRAMEWORK

Identifying and mitigating risks to students, families, and educators.

Framework for Coherent AI Use



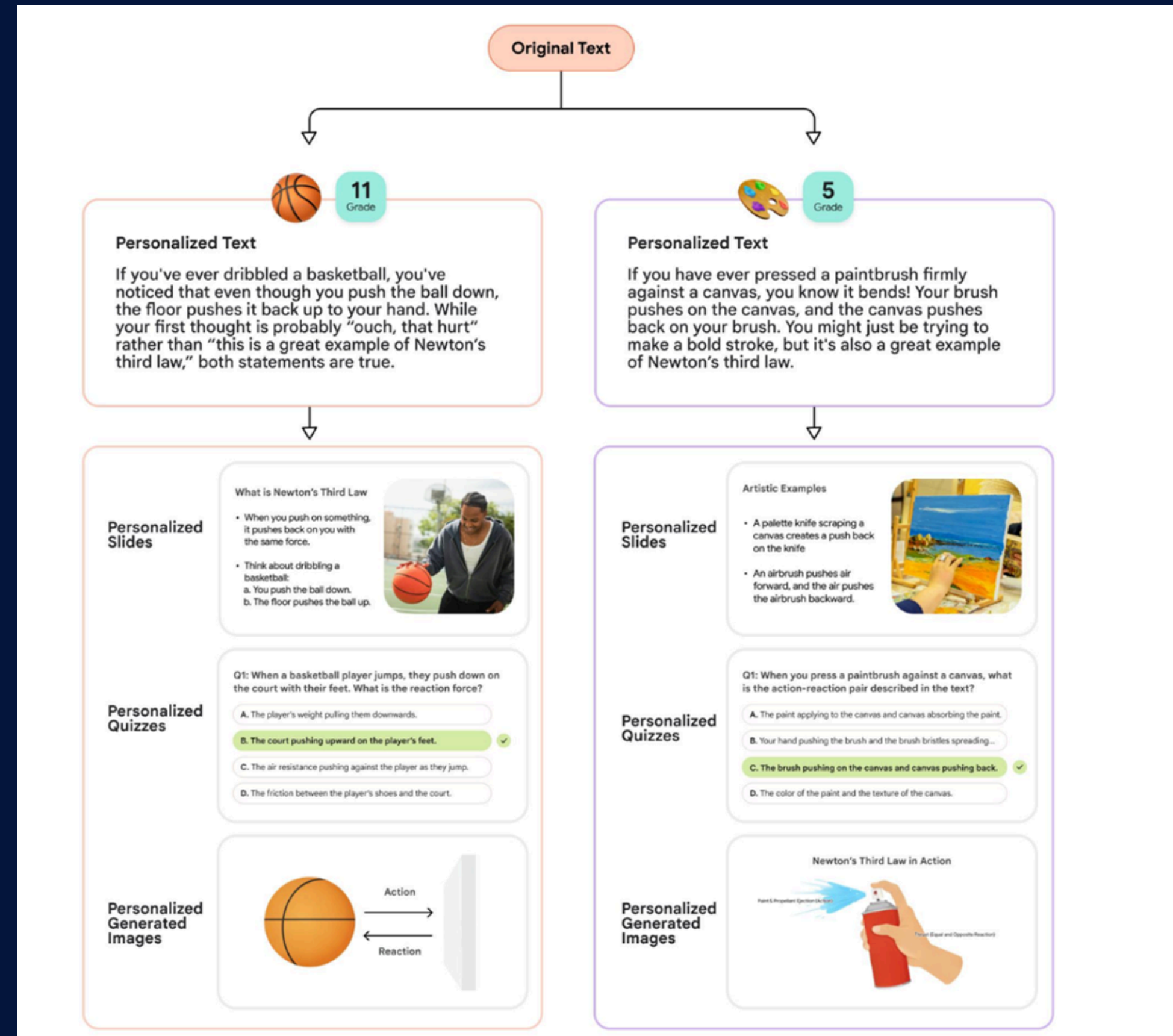
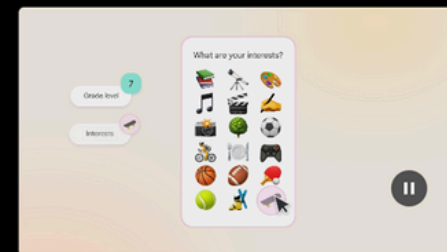
Coherent AI in Action: Google Learn Your Way

[Home](#) > [Blog](#) >

Learn Your Way: Reimagining textbooks with generative AI

September 16, 2025 ·

Gal Elidan, Research Scientist, and Yael Haramaty, Senior Product Manager, Google Research



Framework for Coherent AI Use: Reflection Questions

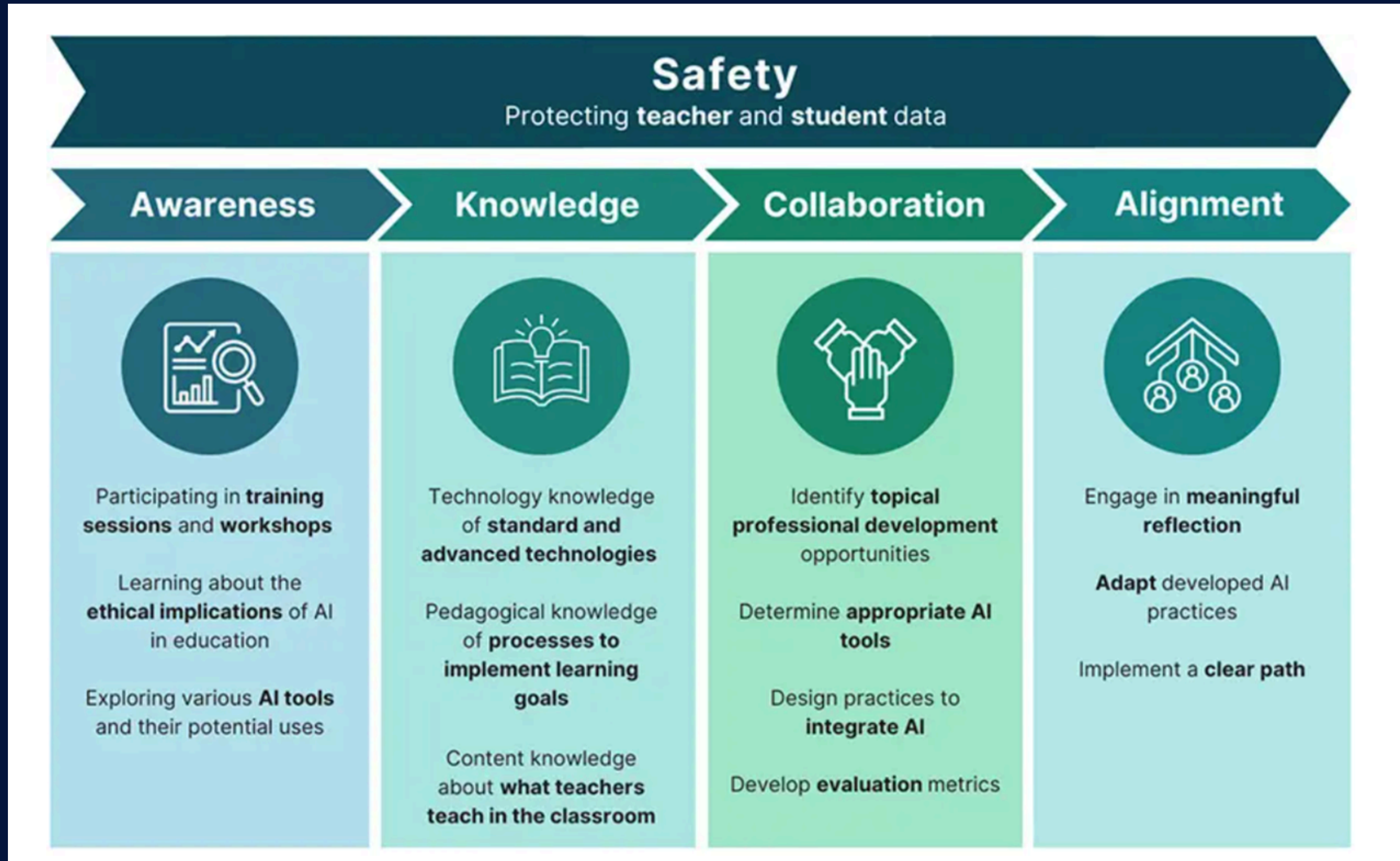
Have teachers received training on how to integrate the tool into existing instructional routines?

Are there clear norms for when and how students should use AI?

Is the tool accessible to all learners, regardless of device availability, language, or learning needs?

Do students and families understand the educational purpose of the tool?

AI Class Framework



AI Class Framework: Example



CONSIDERATIONS FOR ADOPTING AN AI
TUTORING PROGRAM UNDER THE AI CLASS
FRAMEWORK

Safety

Awareness

Alignment

Knowledge

Collaboration

AI Class Framework: Reflection Questions

What AI tools are currently implemented in your organization?

Who within your school district or organization has received AI trainings?

What does successful implementation of an AI initiative look like?

What data privacy and security practices are already in place? Are they AI ready?

AI Risk Framework

Consideration for AI risk mitigation	Meaning
 Validity	AI systems must be accurate. This is a central concern for those who use AI for research and teaching.
 Safety	The use of AI systems or tools should be free from adverse consequences for students, teachers, and researchers.
 Fairness	AI systems should be fair and should work equally well for all. AI fairness includes consideration of equity in access to AI tools and technologies.
 Accountability and Explainability	Users should be aware that they are interacting with AI systems and should be able to understand at a high level how AI systems make decisions.
 Sustainability	Decision makers should consider how to make implementations of AI tools sustainable, especially considering rapidly changing technology and funding landscapes. Implementation plans should take into account that technological change is tiring for both students and teachers.
 Privacy and Security	AI systems should be robust and should appropriately protect private information. Systems must also be compliant with legally required privacy protections.
 Community Engagement	Technologies should be developed in partnership with the communities they serve, and validated with students, teachers, school leaders, and families.
 The Risk of Inaction	Failing to implement AI where it is needed can lead to students and teachers being left behind.

AI Risk Framework: Examples

 Fairness	1. A predictive analytics tool that identifies students who need extra one-on-one support should be equally accurate for all students. 2. Unproven technologies should not be pilot tested only in schools with fewer resources.
 Accountability and Explainability	1. Students should be aware that their interactions with a learning management system are being recorded and used for research. 2. A student who is identified as being at risk of dropping out should know both that an algorithm was used to make this risk identification and understand what factors were used to make this identification.
 Sustainability	1. If an AI tool is implemented as the result of a grant or other time-limited funding mechanism, decision makers should consider how to support the use of the tool after funding ends. 2. A school district that is considering switching between learning management systems to take advantage of new AI capabilities should consider administrator, teacher, and student perspectives regarding the burden of switching between IT systems.

AI Risk Framework: Reflection Questions

What stakeholders might need to be consulted on AI risk?

What are the risks of inaction?

What metrics or measurements would help quantify the potential risks?

Teaching Students to Use AI Ethically & Responsibly



**Featuring
Dr. Nancy Frey
San Diego State
University**

Discussion and Questions



Facilitated by
Dr. Lorena Aceves
Child Trends

- At this time, you will have an opportunity to ask any questions you have on the topics just shared.
- Please submit your questions in the Q & A box to ensure we answer them!



Key Takeaways



**Featuring
Claire Kelley
Child Trends**

Key Takeaways

1

AI literacy prepares students.

2

**AI coherence ensures tools work in
the system.**

Where do We Start?

1 Stakeholder engagement

2 Small, testable pilots

3 Clearly defined success metrics

4 Focus on alignment

5 Consider the problem at both the individual (student, teacher) level and the system level

6 AI literacy and AI coherence support and complement one another

Resource Links



[Creating an AI Risk Framework for Education](#)

[AI-Class Framework for Educators and Administrators](#)

[Framework for Coherent AI Use in K-12 Education](#)

[Teaching Students to Use AI Ethically & Responsibly](#)

Thank You!

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- **Lorena Aceves** ([laceves@childtrends.org](mailto:lanceves@childtrends.org))
- **Douglas Fisher** (dfisher@sdsu.edu)
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