MICHIGAN VIRTUAL

Celebrating Michigan's Successes in Building AI Literacy

Facilitator:
Justin Bruno
AI Strategist

Session Outline

- Welcome and introduction to AI Literacy Day
- Overview of *Michigan Virtual's* AI Lab
- Oakland Schools: AI Literacies through Action
- Avondale Schools: Building a Future-Ready Learning Community
- Ottawa Area ISD: AI Empowered Student Design
- Facilitated Q&A with panelists

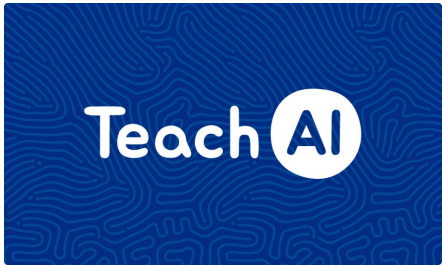
NATIONAL AI LITERACY DAY

https://www.ailiteracyday.org/

What is AI Literacy?

AI literacy includes the knowledge and skills that enable humans to critically **understand, use, and evaluate** AI systems and tools to safely and ethically participate in an increasingly digital world.

The knowledge, skills, and attitudes associated with how artificial intelligence works, including its principles, concepts, and applications, as well as how to use artificial intelligence, such as its **limitations, implications**, and ethical considerations.



MISSION

Maximize learning and teaching by combining the best in people and technology.

VISION

Be Michigan's leader for innovation in education.

VALUES

Put Learners First
Act with Integrity
Champion Diversity
Commit to Excellence
Cultivate Creativity

What is the AI Lab?

A hub for research, best practices, experimentation, policy development, and raising awareness about the responsible utilization of AI in schools.

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Michigan Virtual AI Initiatives Overview (Since Dec 2022)

- **Publication of the AI Integration Framework & Guide (August 2023):** The framework and guide have been endorsed by the Michigan Department of Education in a December 12, 2024 memo.
- **AI Summits (December 2023 & December 2024)**
- **Khanmigo Pilot (January 2024 - 2025)**
- **Publication of an Interactive Teacher Guide (November 2024)**
- **AI Literacy Video Series (December 2024)**
- **Statewide AI Workgroup (February 2024-present)**
    - Published K-12 Guidelines for AI Use (May 2024)
    - **Research publications:** Three studies, one study examining the perceptions and usage habits of AI tools by Michigan educators, the second focused on early online student usage, and a third meta-analysis on educator acceptance of AI.
- **Convened AI Community of Practice** with partners at REMC **(January - June 2025)**
- **Facilitated AI Ambassadors Program (February - June 2025)**
- **AI Consulting partnerships with districts (2023-2025)**
- **National AI Literacy Day (April 2024 & March 2025)**
- **Educator training on AI (October 2022-present)**: Over 80 school districts, two virtual & asynchronous PD courses on ChatGPT for educators totaling over 1,100 enrollments, over 14k educators reached in person.
- **Keynotes (2022-2025)**

https://michiganvirtual.org/ai

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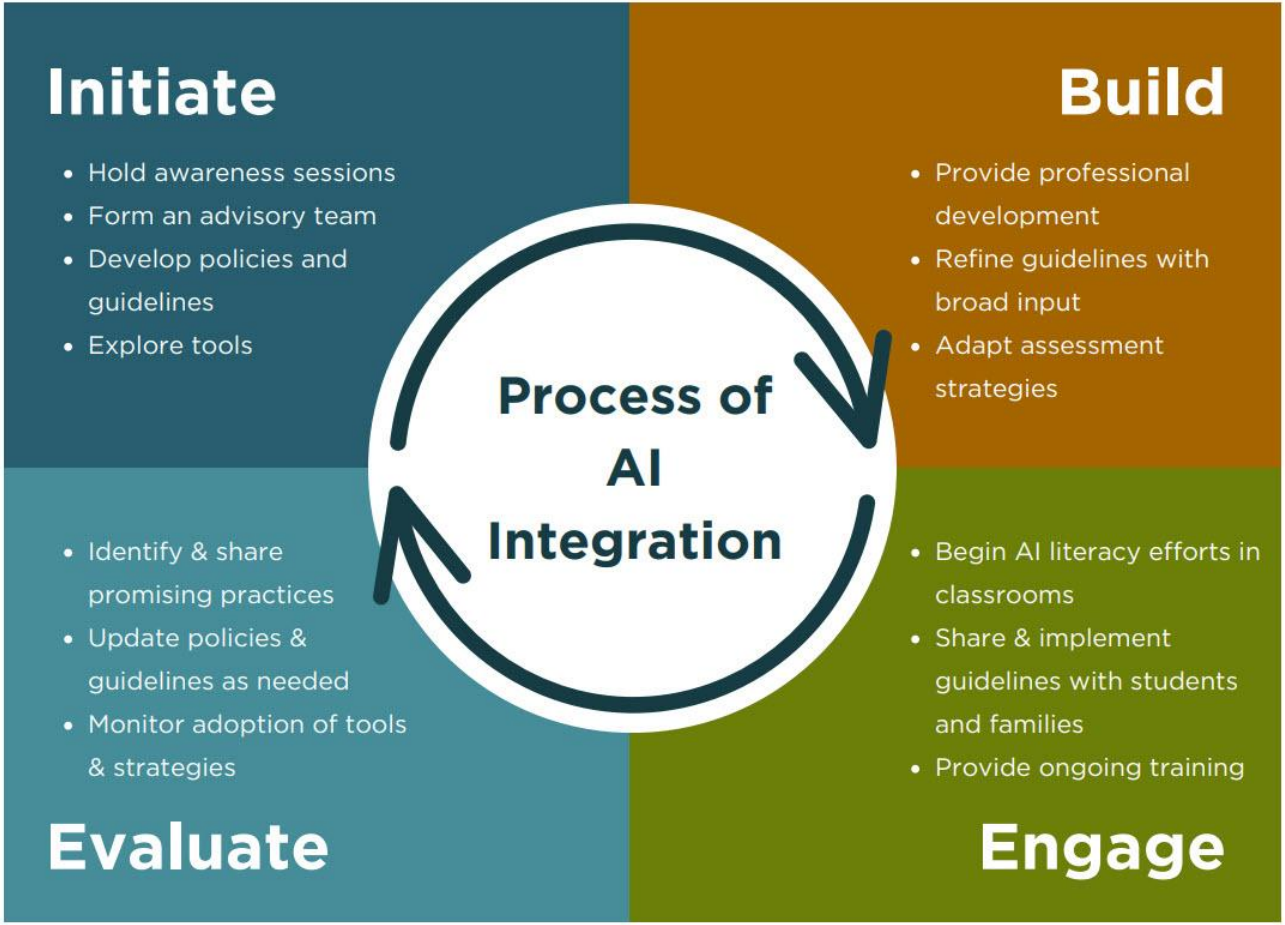

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Andrea Zellner
Learning Design Consultant
Oakland Schools

Michelle Gierman
AI Consultant/ Education Coordinator
Avondale School District

Dave Tebo
Director of Innovation Services
Ottawa Area ISD

Oakland Schools: AI Literacies through Action

Writing our Futures: GenAI PBL Pilot

Our Driving Question:

How might we influence the way Generative AI is designed and used in our school and community?

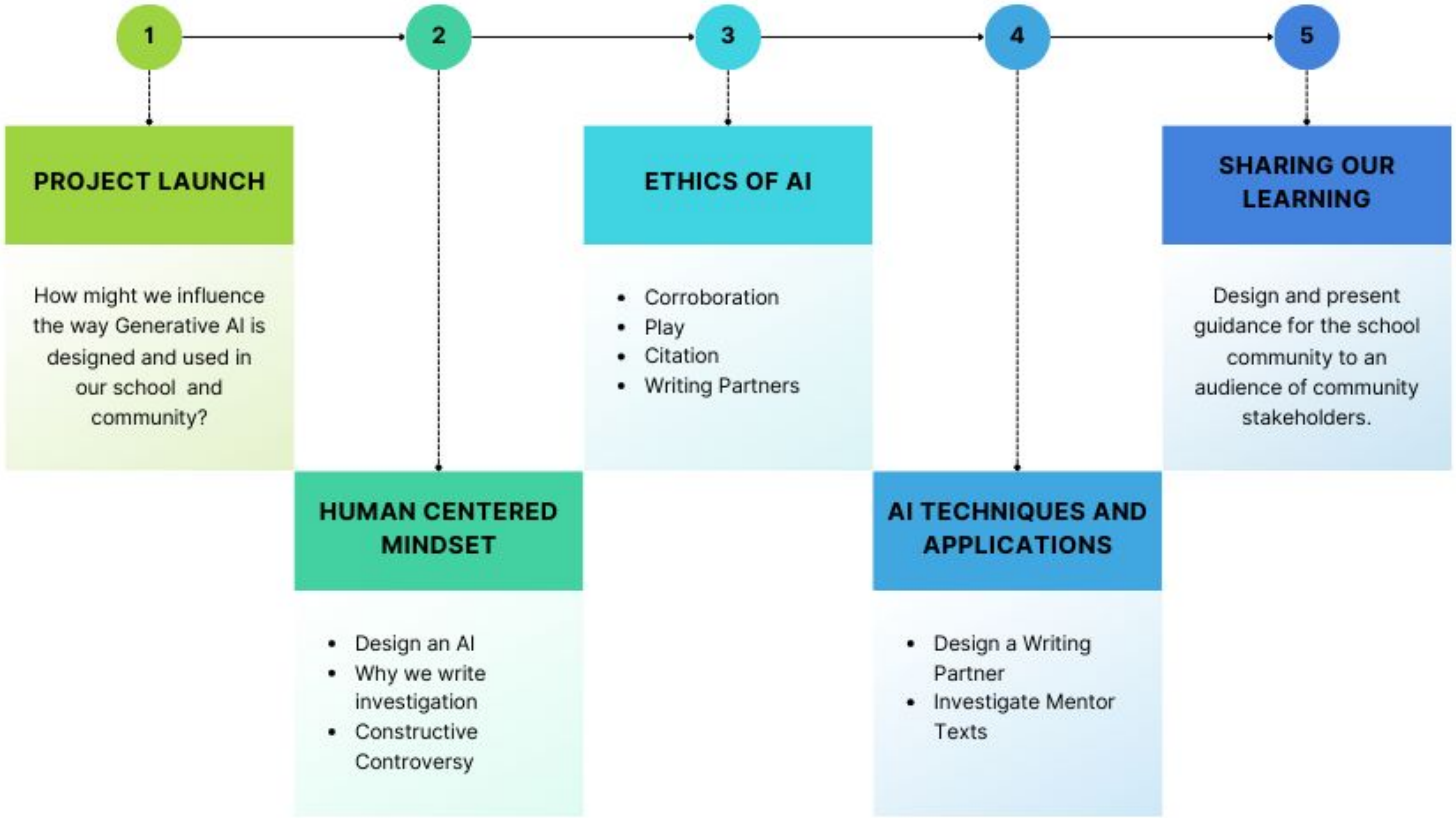
Oakland Schools

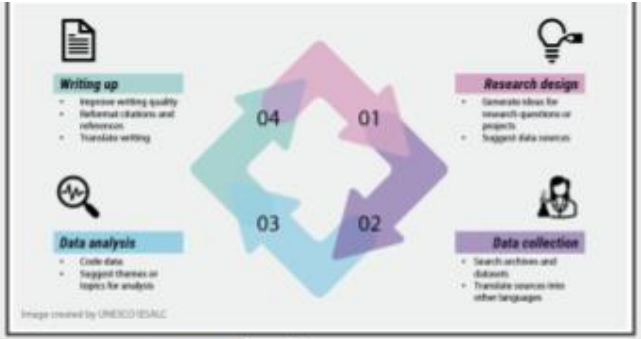
UNESCO AI Competencies for Students

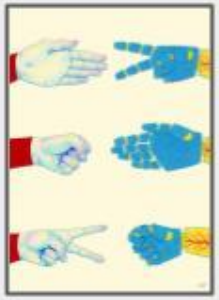
Competency aspects	Progression levels		
	Understand	Apply	Create
• Human-centred mindset	• Human agency	• Human accountability	• Citizenship in the era of AI
• Ethics of AI	• Embodied ethics	• Safe and responsible use	• Ethics by design
• AI techniques and applications	• AI foundations	• Application skills	• Creating AI tools
• AI system design	• Problem scoping	• Architecture design	• Iteration and feedback loops

Table 1: AI competency framework for students. Image from https://unesdoc.unesco.org/ark:/48223/pf0000391105

Writing our Futures



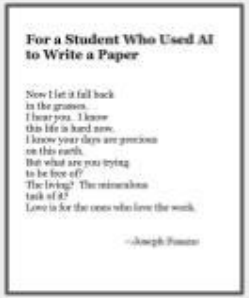




"As I observed over the course of my teaching career,...there was a significant divide between the deeply meaningful and indispensable act of writing and what the smart, capable, and yet undeniably disengaged students had experience doing in school prior to winding up in my first-year writing class.

My students had been incentivized not to write but instead to produce writing-related simulations, formulaic responses for the purpose of passing standardized assessments. This happens not because teachers are bad or students lack ability but because those simulations have been privileged in a system where "schooling" is divorced from "learning."

--John Warner, *More Than Words: How to Think About Writing in the Age of AI*, pg. 6



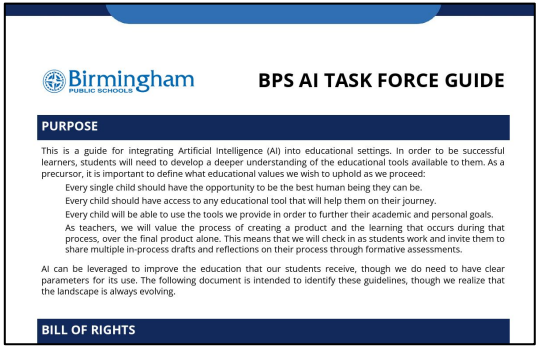
For a Student Who Used AI to Write a Paper

Now I let it fall back
in the grasses.
I hear you. I know
this life is hard now.
I know your days are precious
on this earth.
But what are you trying
to be free of?
The living? The miraculous
task of it?
Love is for the ones who love the work.

--Joseph Fasano

Partnerships to build Capacity

Anchoring in Community
Honoring Values and Strengths



Birmingham PUBLIC SCHOOLS

BPS AI TASK FORCE GUIDE

PURPOSE

This is a guide for integrating Artificial Intelligence (AI) into educational settings. In order to be successful learners, students will need to develop a deeper understanding of the educational tools available to them. As a precursor, it is important to define what educational values we wish to uphold as we proceed:

- Every single child should have the opportunity to be the best human being they can be.
- Every child should have access to any educational tool that will help them on their journey.
- Every child will be able to use the tools we provide in order to further their academic and personal goals.
- As teachers, we will value the process of creating a product and the learning that occurs during that process, over the final product alone. This means that we will check in as students work and invite them to share multiple in-process drafts and reflections on their process through formative assessments.

AI can be leveraged to improve the education that our students receive, though we do need to have clear parameters for its use. The following document is intended to identify these guidelines, though we realize that the landscape is always evolving.

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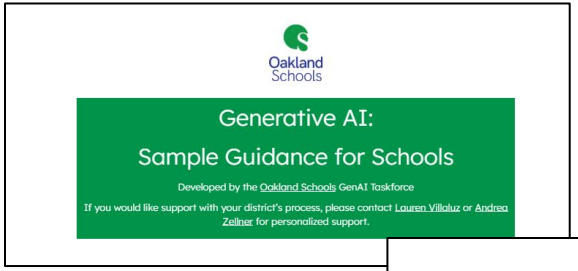


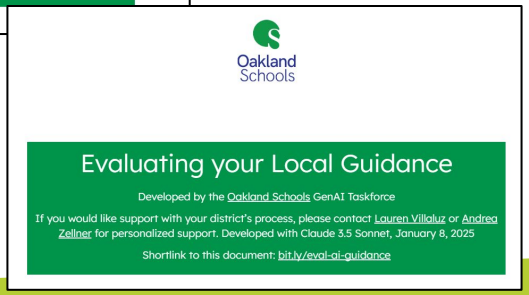
Oakland Schools

Generative AI:

Sample Guidance for Schools

Developed by the Oakland Schools GenAI Taskforce

If you would like support with your district's process, please contact Lauren Villaluz or Andrea Zellner for personalized support.



Oakland Schools

Evaluating your Local Guidance

Developed by the Oakland Schools GenAI Taskforce

If you would like support with your district's process, please contact Lauren Villaluz or Andrea Zellner for personalized support. Developed with Claude 3.5 Sonnet, January 8, 2025

Shortlink to this document: bit.ly/eval-ai-guidance

Avondale Schools: Our AI Journey beginning 2023

- **Openminded Leadership**: Merging differentiation, UDL, and AI
- Sought Relevant PD as AI Strategist and **Cognitive Coach**
- Initial district **workshops** and staff meetings focusing on:
  - Building Community **Trust and Unity** through SHARED EXPERIENCES
  - **Creative learning opportunities and Increased Teacher Efficiency**
  - **Student engagement** through chatbots as thought partners
  - AI powered Universal Design for Learning (**UDL**)
  - **Equity** in education
- Transitioned support model:
  - Classroom modeling of AI use as thought partner, **respect time**
  - Co-teaching opportunities, **empowering PLCs and other leaders**

Avondale Schools: United in Innovation and Equity

- **MagicSchool** Implementation (FERPA and COPPA approved, transcripted and flagged)
  - focused PD on highest use case among offered, most versatile tools (Buy in is key)
    - Partnering with AI tool representatives, Magic School, Schoolai, Gemini, etc
  - Safe launch spaces K- college
  - Professional Development Resources available and CREATED
  - **Student success stories:Breaking Barriers**

    - Text-to-speech and voice-to-text tools improving literacy, motivation, agency
    - AI thought partners increase peer communication and **inter-district collaborations (AMS/AHS)**
    - Differentiated **learning/leading opportunities and peer led grouping** (asset based)
- District **newsletters** (lots of pictures and testimonials)/NotebookLM Podcasts:
  - Showcase **TEACHER successes** and student engagement
  - Spark curiosity among teachers about new tools
  - Foster collaboration and support within/among buildings

Avondale Schools: Environmental AI Projects: **Balancing Concerns**

- AI Powered Student-led initiatives:
  - Green Spaces project
  - Award-winning Save the Snakes Initiative (5th grade)
  - Upcoming **Innovation Day**

- Project outcomes:
  - Real-world problem solving
  - Design Thinking >human relevance
  - Environmental awareness
  - Grant funding success
  - Community engagement
  - Career Readiness
  - **Focus on empathy and Ethics**

Avondale Schools: Collaborative Impact and Partnerships

- AI Task Force **ongoing** achievements:
  - ***Data: Collaborative Reflections (Global, State, Local), Primary and Secondary Research/PD, Listening Sessions, Surveys, Zooms, Use Cases***
  - New **"Portrait of a Graduate"** with AI **safety**, **ethics** and career centered practices in mind
  - **AI literacy scaffolding** across the grades and into career exploration with community experts
  - Consult, Co-teach, Model, Cognitively Coach **BEST PRACTICES** (based on above)
  - Color-coded infographic system for classroom **TRANSPARENCY** posters
  - Restorative practices when “misconduct” occurs after clear expectations are set
  - Reflection portfolios for student AI use
- Strategic partnerships:
  - Michigan Virtual/REMC
  - Oakland Schools
    - Birmingham *(student mentors)*, Northville, Clarkston
  - NAGC, ACTE, and MACUL conference participation

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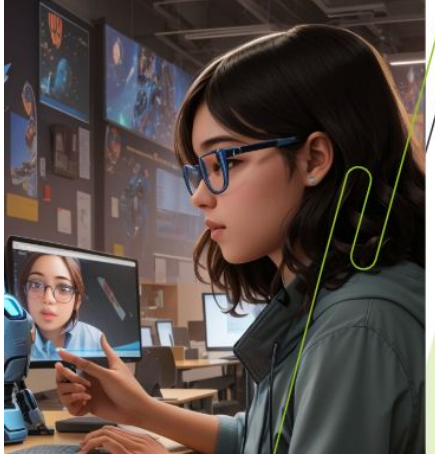
Ottawa ISD and Local LEA's

- An intentional path to supporting teachers.
- OAISD AI Advisory Steering Team
  - MV Framework to Guide Us
- Local Support
  - Local Districts are in different places - AI Journey Map
- Work with Students
  - Holland Public Student Centered Design Project
- Working to support next steps
  - If you aren't defining AI use your not doing your job.

AI for Principals A Learning Lab

Marie DeGroot,David Tebo and Lloyd Gingerich

01/20/2024



Jenison Admin Team

AI 101

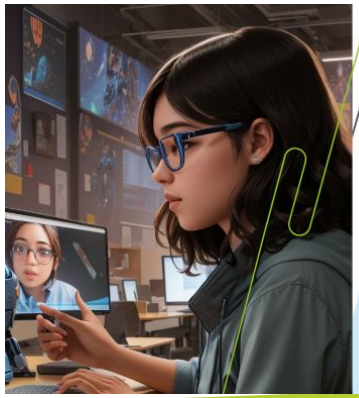
PRESENTATION BY:
DAVID TEBO
DIRECTOR OF INNOVATION SERVICES
OAISD

SAUGATUCK

AI 201

PRESENTATION BY:
DAVID TEBO
DIRECTOR OF INNOVATION SERVICES
OAISD

AIA



Jenison Elementary Teachers

AI 2.0 - A Deeper Dive

PRESENTATION BY:
DAVID TEBO
DIRECTOR OF INNOVATION SERVICES
OAISD

AI Empowered Student Design

gmb

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Ottawa Area ISD REMC 7

Artificial Intelligence [AI] Foundations OAISD

Dive into the fascinating Artificial Intelligence (AI) world with your OAISD peers. Designed for adult learners, this three-week, four-hour online course offers a blend of live virtual sessions and interactive content to provide a solid grounding in AI concepts and applications.

Course Facilitators:

- Sara DeVoogd, sdevoogd@oaisd.org
- Anne Thorp, PhD, athorp@oaisd.org

Estimated Duration
Facilitated

Currently Enrolled
37

Non-Credit
★★★★★ 0 ratings

+ Enroll Now

Ethical Use of AI in Your Classroom
Having clear guidelines and fostering agency are the keys to helping students use AI ethically and responsibly while creating your classroom expectations for use.

Co-Develop Ethical Use Guidelines with Students and AI

Step 1: Use generative AI tools to create a list of discussion questions on ethical use in your classroom. When you prompt AI, consider the following:

What are the values and norms you want to foster in your classroom?
How can you make space for the knowledge or experience students have had with Generative AI?
How can you make the discussion culturally relevant?

Step 2: Facilitate a class discussion using the questions you created with the assistance of AI. Make sure you take notes and encourage students to do the same.

Step 3: Create an appropriate use policy using AI and your students' insights.
Use your notes and your students' to generate a list of things that matter the most to both of you when you think about the use of generative AI in your classroom. Incorporate this list of values and hopes in your prompt to AI.

Step 4: Evaluate the suggestions made by the AI with your students. As you do, consider:

Did the AI accurately reflect the values and desires you included in the collective prompt?
Are there any changes or updates you or your students would make to the AI generated policy?
How can you make the final policy visible and assessible to your students all year round? (Classroom poster, a policy form that students sign, ect.)

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Questions

/ AI Lab

Bringing AI literacy to your classroom

Get help with AI literacy

https://michiganvirtual.org/ailiteracy

Promo code: LITERACY

Let’s continue the conversation

AI Resources Planning Page:

- AI Integration Framework
- Planning Guide for AI
- Teachers’ Guide to AI
- Online Professional Learning Courses
- Customized AI Training Options
- Examples of K-12 AI Usage

jbruno@michiganvirtual.org

MichiganVirtual.org/ai