

AI in K-12 Education: Preparing for the Future

Educational
Research Alliance
of Northern
Virginia

This resource is intended for K-12 Division Leaders

Supplemental Resources on AI Implementation

Since drafting the [brief](#) on AI implementation, we have identified additional resources that might be of interest to division leaders. These resources offer frameworks to guide implementation strategy and policy documents that should be considered when building AI strategy and related policies.



Frameworks & Guidance

[Measuring Artificial Intelligence in Education](#)

By: Michelle Croft, Amy Chen Kulesa, Marisa Mission, and Mary K. Wells

The resource gives division leaders a practical roadmap for moving from tool usage metrics to evidence of impact.

It provides a step-by-step overview of building logic models, identifying meaningful indicators (e.g. learning, equity, efficiency), and tackling common measurement barriers so AI initiatives can be evaluated credibly and improved over time.

Use it to set success criteria before pilots, align data collection with policy goals, and structure regular evidence reviews.

[AI Literacy: A Framework to Understand, Evaluate, and Use Merging Technology](#)

By: Keun-woo Lee, Kelly Mills, Pati Ruiz, Merijke Coenraad, Judi Fusco, Jeremy Roschelle, and Josh Weisgrau

The resource offers a practical blueprint for building AI literacy in K–12 through three core, intertwined components: Understand, Evaluate, and Use

It links AI literacy to long-standing initiatives and provides strategies and “look-fors” leaders can use to integrate competencies into curriculum, PD, and pilots.

Use it to define grade-band skills, center human judgment and equity in classroom use, and set implementation checkpoints for safe, effective practice.



Key Considerations for AI Implementation

- What are the necessary guardrails and non-negotiables?
- How will you balance efficiency with human judgement?
- How will you design a feedback loop into implementation?
- In what ways could inequities be exacerbated?
- What are the potential unintended costs (e.g. environmental harm)?

Michigan Virtual AI Lab Resources

Michigan Virtual – AI Lab offers a practical suite of K–12 resources organized into three phases—Investigating, Implementing, and Innovating. It includes AI literacy primers, readiness checklists, policy templates, procurement and risk/guardrail guidance, teacher PD modules, and classroom-ready integration ideas.

Districts can use it to stand up an AI steering team, run safe pilots with clear success metrics, and scale practices through continuous-improvement cycles. It’s a strong “grab-and-go” toolkit for leaders who want templates plus PD in one place.

<h3>Investigating AI</h3> <p>https://michiganvirtual.org/ai/investigating/</p>	<h3>Implementing AI</h3> <p>https://michiganvirtual.org/ai/implementing/</p>	<h3>Innovating AI</h3> <p>https://michiganvirtual.org/ai/innovating/</p>
<p>A starter hub that helps districts get smart before they buy or pilot. It offers plain-language explainers, AI literacy tools, readiness checklists, and discussion guides so teams can clarify goals, risks (privacy/bias), and guardrails. Use it to brief leaders and teacher teams, align on a shared vocabulary, and decide whether a use case merits a pilot.</p>	<p>A nuts-and-bolts toolkit for turning plans into practice. It provides policy templates, responsible-use guidelines, vendor/procurement guardrails (privacy, security, bias), PD modules, and pilot playbooks with success metrics and communications resources. Use it to launch safe pilots, support teachers, and scale what works through evidence-based iteration.</p>	<p>A forward-looking space for districts ready to move beyond pilots into new use cases and continuous improvement. It highlights advanced classroom applications, case studies, and routines for scaling what works. Use it to roadmap phase-two projects, incubate teacher-led innovations, and share lessons learned across schools.</p>

If your division is interested in collaborating with us on AI related research, please reach out to epf@gmu.edu.

