

# Alaska's Strategic Framework Artificial Intelligence in K-12 Education

Alaska Department of Education and Early Development

Anthony White, Computer Science Content Specialist

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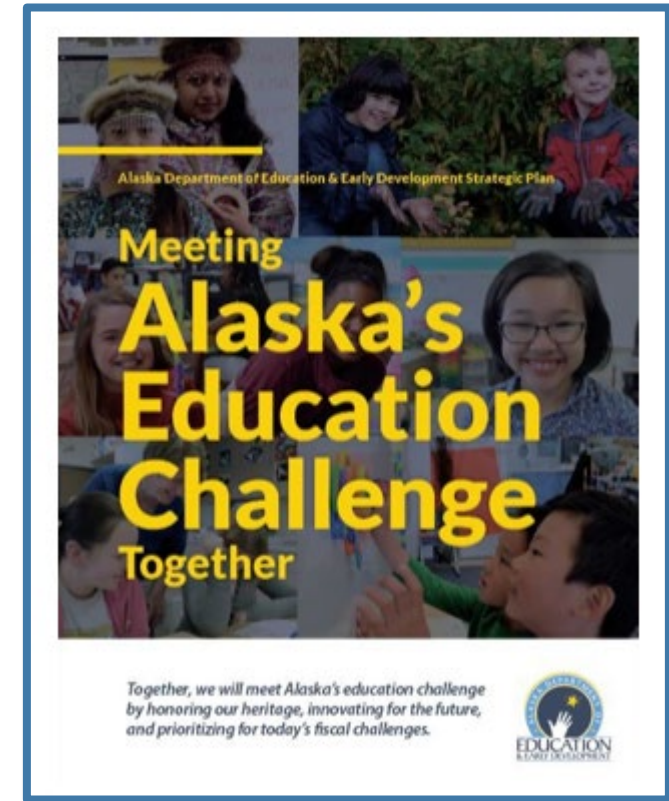
# Mission, Vision, and Purpose

Mission	Vision	Purpose
An excellent education for every student every day.	All students will succeed in their education and work, shape worthwhile and satisfying lives for themselves, exemplify the best values of society, and be effective in improving the character and quality of the world about them. - Alaska Statute 14.03.015	DEED exists to provide <b>information, resources, and leadership</b> to support an excellent education for every student every day.

# Strategic Priorities: Alaska's Education Challenge

## Five Shared Priorities:

1. Support all students to read at grade level by the end of third grade.
2. Increase career, technical, and culturally relevant education to meet student and workforce needs.
3. Close the achievement gap by ensuring equitable educational rigor and resources.
4. Prepare, attract, and retain effective education professionals.
5. Improve the safety and well-being of students through school partnerships with families, communities, and tribes.



[education.alaska.gov/akedchallenge](https://education.alaska.gov/akedchallenge)

# The Cognitive Revolution

AI [is] affecting everything we do that uses language... what makes it even bolder than the Industrial Revolution or the printing press is obviously the speed at which it will be moving..."

-Reid Hoffman, LinkedIn Co-Founder

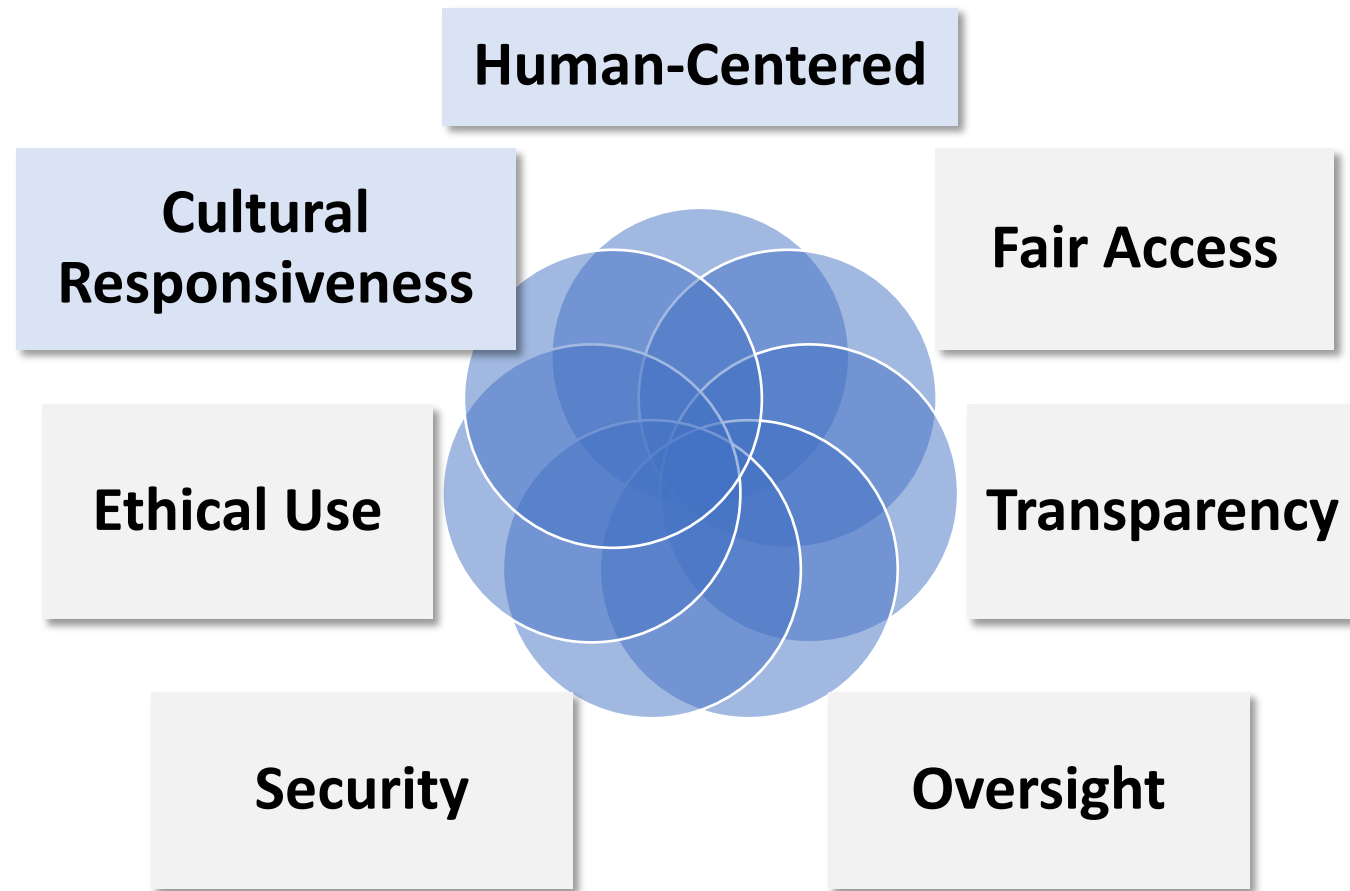
# AI Advisory Committee

Name	Position	Organization
Bill Burr	Director of Technology	Alaska Gateway School District
Katie Oliver	Associate Executive Director	Association of Alaska School Boards
Masoumeh Heidari Kapourchali, Ph.D.	Assistant Professor	UAA College of Engineering
Matthew Calhoun, Ph.D.	Executive Director	ANSEP
Nicole Fuerst	KDLP Coordinator	Kodiak Island Borough School District
Walter Barnes	Technology Supervisor	Kodiak Island Borough School District

# Our Vision for AI in Education

“To empower every Alaskan student and educator to ethically and effectively engage with Artificial Intelligence, fostering critical thinking, creativity, and responsible digital citizenship, thereby providing all learners with the opportunity and comprehensive support to thrive in an evolving, AI-driven world.”

# Our Guiding Principles



# A Framework for All Stakeholders

## Alaska's Strategic Framework Artificial Intelligence for K-12

Recommendations and Considerations for Districts



### Vision Statement

To empower every Alaskan student and educator to ethically and effectively engage with Artificial Intelligence, fostering critical thinking, creativity, and responsible digital citizenship, thereby providing all learners with the opportunity and comprehensive support to thrive in an evolving, AI-driven world.

### Alaska AI K12 Advisory Group

The purpose of this advisory group is to provide advice and support to the Division of Innovation and Education Excellence as they develop the AK Strategic Framework for Artificial Intelligence in K-12. Direction and resources are the outcomes from this workgroup. Your time and service are deeply appreciated.

Name	Position	Organization
Anthony White	CS Content Specialist	AKDEED
Bill Burr	Director of Technology	AGSD
Katie Oliver	Associate Executive Director	AASB
Masoumeh Heidari Kapourchali, Ph.D.	Assistant Professor	UAA College of Engineering
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### Guiding Principles for AI Integration



#### Human-Centered

AI must augment human capabilities, critical thinking, and creativity, never replacing human judgment or decision-making in educational contexts. All AI use should begin with human inquiry and culminate in human reflection and insight.



#### Fair Access

AI tools and education should be accessible to all students, actively mitigating broadband disparities and device availability challenges across Alaska's diverse regions.



#### Transparency

The functionalities, limitations, and potential biases of AI tools must be clearly communicated to all stakeholders. Explicit disclosure is suggested when AI is used in educational materials or assessments.



#### Oversight

Clear lines of responsibility for AI tool selection and outcomes are vital. Robust human oversight is mandatory for any decisions that directly impact students, such as grading or disciplinary actions.



#### Security

Rigorous protection of student data and digital well-being is non-negotiable. This includes protocols against unauthorized sharing of Personally Identifiable Information (PII) and compliance with local, state, and federal laws.



#### Ethical Use

Promote responsible and ethical engagement with AI, fostering an understanding of intellectual property rights, preventing misuse, and building critical evaluation skills for all AI-generated content.



#### Cultural Responsiveness

AI tools should be critically evaluated and used to affirm, rather than diminish, the diverse cultures of Alaska. Proactive measures must be taken to mitigate algorithmic biases and prevent misinterpretation, misappropriation, or the exclusion of crucial local context.

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## Transparency

The functionalities, limitations, and potential biases of AI tools must be clearly communicated to all stakeholders. Explicit disclosure is suggested when AI is used in educational materials or assessments. Transparency builds trust and empowers users to be critical consumers of AI-generated content.

### Rethinking Plagiarism and Academic Integrity

Policies should clarify how to appropriately attribute AI-generated content and require students to disclose when and how AI was utilized in their work. This includes requiring students to cite AI-generated content appropriately.

### Data Governance

Districts should carefully review AI vendors to ensure tools meet rigorous privacy and security standards before adoption. This includes ensuring vendors provide clear privacy and compliance documentation for review.

### Addressing Bias and Misinformation

AI systems can unintentionally amplify bias or produce misleading outputs. To ensure transparency, districts must help staff and students evaluate AI critically by training them to identify bias, misinformation, and "hallucinations". [Learn more about bias and the ethics of generative artificial intelligence.](#)

### Communication Strategy

Districts should develop a clear communication plan for disseminating AI guidelines to all stakeholders, transparently outlining benefits, safety measures, privacy protocols, and data management procedures.

#### Sample District Board Policy

Provides the foundational, board-approved guidelines for AI integration, ensuring a clear and official framework for the entire district.

#### Academic Integrity Guidelines

A detailed guide for educators and students on how to ethically use and properly cite AI in assignments, promoting honesty and clear standards in the classroom.

#### School Handbook Language

Offers adaptable language for school handbooks, translating district policy into clear, actionable expectations for students and families.

#### Family & Community AI FAQ

A ready-to-use FAQ template that addresses common questions from parents and community members about AI in schools, helping to build trust through open communication.

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## Fair Access

AI tools and education should be accessible to all students, actively mitigating broadband disparities and device availability challenges across Alaska's diverse regions. Ensuring fair access is fundamental to preventing a new digital divide and promoting equity for all learners, regardless of their location or background.

### Addressing the Digital Divide

Districts should acknowledge and actively work to mitigate the digital divide, particularly concerning equitable broadband access and device availability in Alaska's diverse and often remote regions. AI tools inherently demand substantial and reliable internet connectivity.

### Student Access to Technology Data

Districts should actively seek and analyze current data regarding student access to technology and home internet connectivity to ensure AI integration strategies are evidence-based. Note a [2023 DEED survey](#) to determine student device access and internet connectivity.

### Procurement and Funding

Districts should strategically leverage state and federal funding opportunities that include the option to purchase digital instructional materials and provide professional development.

### AI Literacy for All

It is imperative that all schools and districts develop and implement an AI Literacy program that provides all staff and students with an understanding of this powerful technology. Access to education and training is as critical as access to the tools themselves. This includes:

- An understanding of basic AI principles and applications.
- The skills to recognize when AI is employed and an awareness of its limits.
- Knowledge of ethical and responsible AI use, including topics of safety, bias, and disinformation

### Resources for Educators

ISTE | AI in Education

### Resources for Students

Common Sense Media | AI Literacy

TEACHAI | AI Literacy

MIT | Day of AI

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# Comprehensive Support for Districts

- Sample Board Policies
- School Handbook Language
- Academic Integrity Guidelines
- Professional Development
- Curriculum
- Student Support

Constantly updated with the most recent resources.

# Strategic Alignment & Funding

Provides statewide cohesion, supporting early adopters like the Fairbanks North Star Borough School District.

Positions Alaska for AI Education Grants and funding opportunities

# Contact Information

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# Stay Connected



## Website

[education.alaska.gov](http://education.alaska.gov)



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