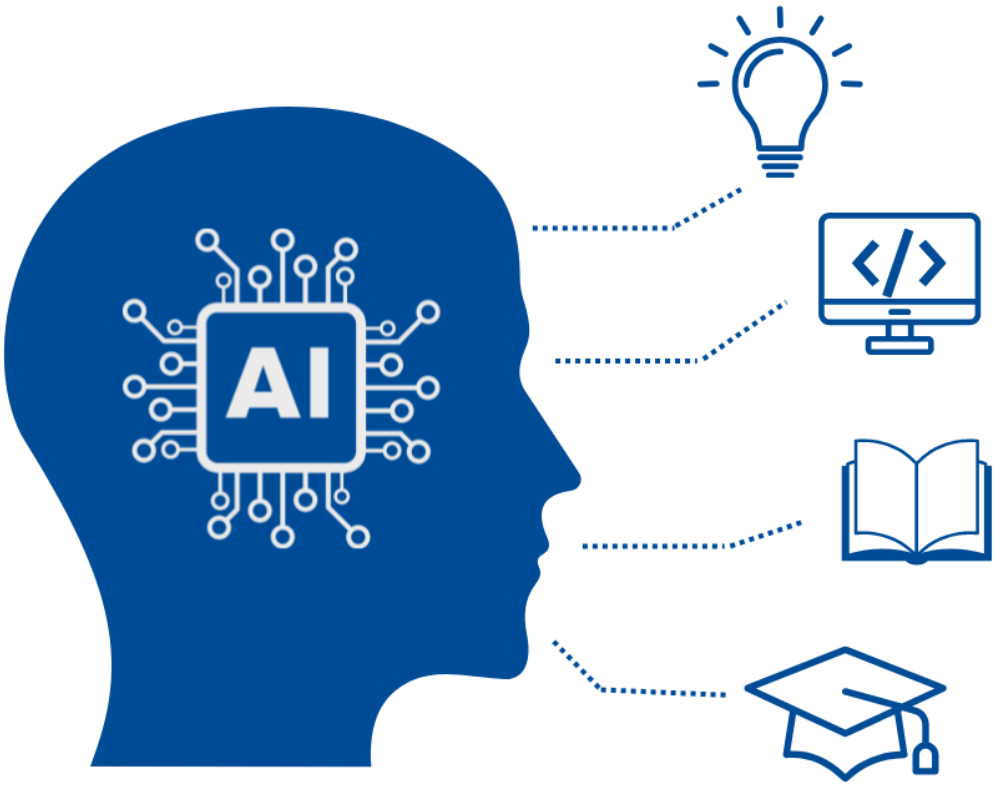
Guidance and Considerations for Using Artificial Intelligence in Oklahoma K-12 Schools



OKLAHOMA Education

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Table of Contents

Executive Summary

This document provides comprehensive guidance for Oklahoma PK-12 schools implementing artificial intelligence (AI) technologies. Building on Governor Stitt's Task Force on Emerging Technologies: Artificial Intelligence Strategy to Support State Agencies in Oklahoma (2023) and aligning with President Trump's 2025 Executive Order "Advancing Artificial Intelligence Education for American Youth", this guidance ensures Oklahoma students are prepared for an AI-driven future while maintaining educational integrity and safety.

Key Principles

- **Human-Centered Approach**: AI augments, never replaces, human instruction
- **Equity and Access**: All students benefit from AI opportunities regardless of location or economic status
- **Transparency**: Clear communication about AI use with all stakeholders
- **Safety First**: Robust protections for student data and wellbeing

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Foundation and Context

National and State Alignment

Oklahoma's AI education initiative aligns with national priorities outlined in President Trump's 2025 Executive Order, which calls for:

- Expanding access to AI education
- Enhancing teacher training
- Promoting student engagement with cutting-edge technology
- Developing a talent pipeline in AI

Governor Stitt's Task Force on Emerging Technologies emphasized the significance of integrating AI into Oklahoma K-12 schools, creating a state-level framework that supports this federal initiative.

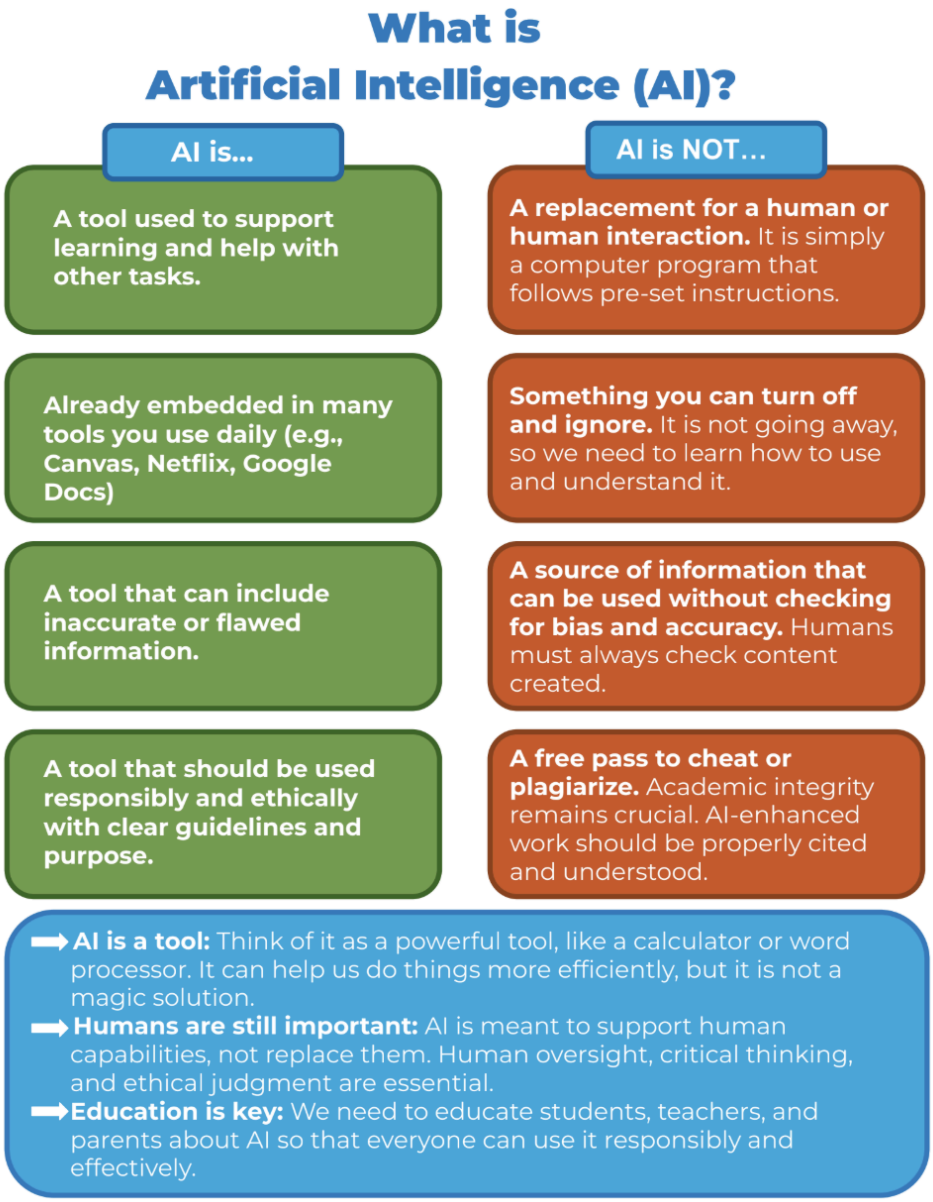
The Imperative for Change

A 2023 LinkedIn report estimates that by 2030, the skill sets needed for jobs will change by 65%. Technology continues to develop at an ever-evolving rate, strongly impacting our personal and professional lives. Oklahoma must be proactive in developing policies and procedures regarding AI implementation in K-12 education.

Understanding AI and AI Literacy

What is AI?

For the purposes of this guidance, "artificial intelligence" or "AI" has been defined in 15 U.S.C. 9401(3). AI serves as a powerful tool to augment human capabilities and should be regarded as an intermediary component within any process, not as the final authority or endpoint.



Human-Centered AI Approach

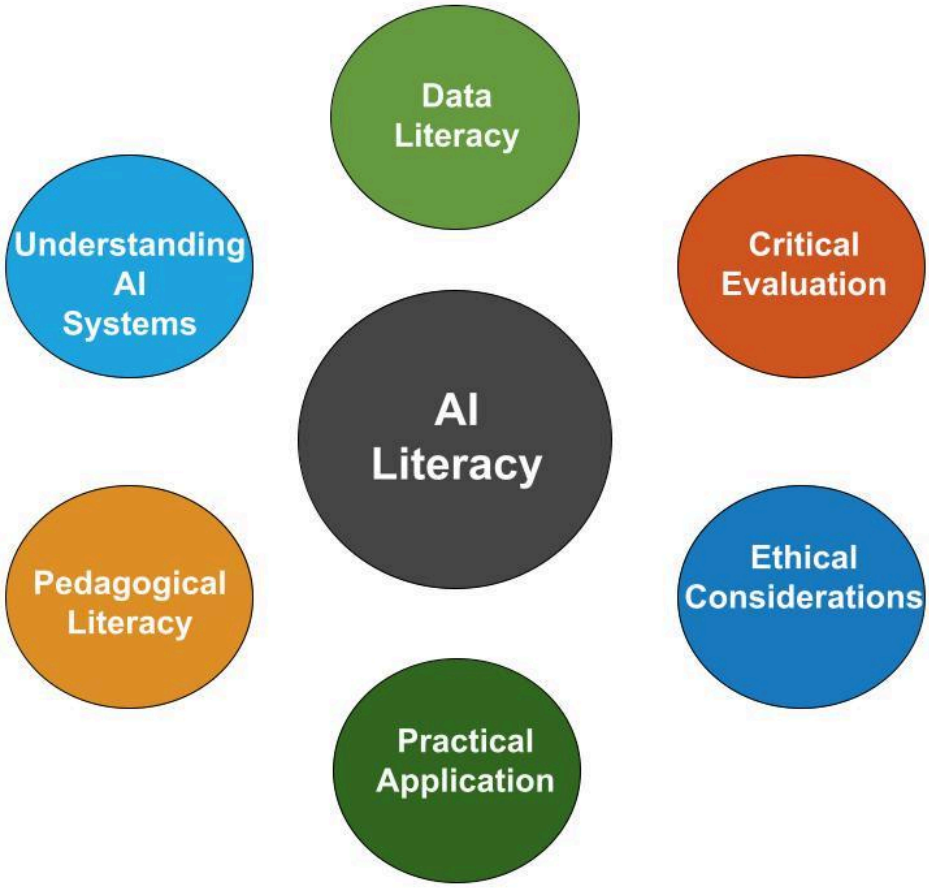
AI use must be framed within a human-centered approach that ensures thoughtful oversight and intentional engagement at each stage:

1. **Human Inquiry**: The process begins with a question or prompt generated by a human user
2. **AI Response**: The AI system produces output based on the human input

3. **Human Interpretation and Reflection**: The final and critical stage involves human evaluation, contextualization, and decision-making based on the AI-generated information

AI Literacy Components

AI literacy encompasses understanding the principles, concepts, and applications of AI. Key components include:



- **Understanding AI Systems**: How AI works, its capabilities, and limitations
- **Data Literacy**: Understanding how data is collected, analyzed, and used by AI
- **Critical Evaluation**: Ability to assess AI-generated content for accuracy and bias
- **Ethical Considerations**: Recognizing and evaluating the potential moral impacts and responsibilities involved in using AI.
- **Practical Application**: Being able to use AI tools effectively and appropriately
- **Pedagogical Literacy**: How AI is used to teach and enhance learning

AI literacy draws from multiple disciplines, including computer science, ethics, psychology, data science, engineering, statistics, reading, and language arts.

Benefits and Applications

General Benefits of AI in Education

Personalized Learning

- Adaptive learning systems tailor content, pacing, and difficulty to individual needs
- Increased student engagement and improved long-term retention
- Support for various learning styles and abilities

Efficiency and Productivity

- Automation of routine administrative tasks
- AI-assisted grading with timely feedback
- Content creation and adaptation for various learning styles
- Scaffolding to help learners connect content to context

Oklahoma-Specific Benefits

Support for Rural Districts

- Virtual tutoring platforms and intelligent content delivery
- On-demand instructional support for remote areas
- Learning opportunities comparable to larger, resourced districts

Mitigating Teacher Shortages

- AI-driven instructional assistants and grading tools
- Planning supports to focus on high-impact teaching strategies
- Interim support for early career and alternatively certified teachers

Promoting Cultural Relevance

- Customization to incorporate Oklahoma's history and indigenous cultures
- Regional perspectives in curriculum

Practical Applications by Grade Level

Grade Level	Subject	AI Application Example
Elementary	Reading	AI-powered reading assistants that adjust difficulty based on student progress
Middle School	Science	Virtual lab simulations with AI guidance for scientific inquiry
High School	Math	Personalized problem sets that adapt to student's mastery level
All Levels	Special Education	Speech-to-text tools for students with writing difficulties

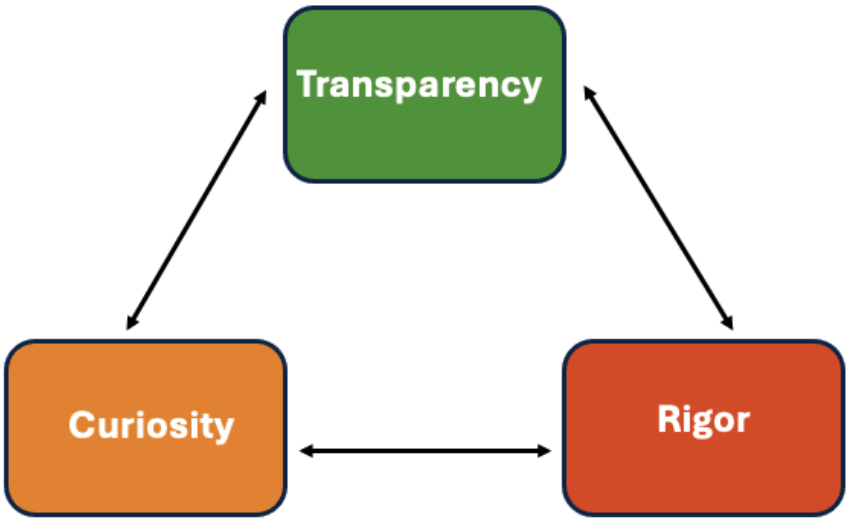
AI Tools for Educators

Purpose	Recommended Tools	Oklahoma-Specific Implementation
Lesson Planning	ChatGPT, Google Gemini, Microsoft Copilot, Claude	Align lessons with Oklahoma Academic Standards
Grading Assistance	Gradescope, Turnitin	Configure to Oklahoma grading policies
Differentiated Instruction	Diffit, Khanmigo	Customize for Oklahoma curriculum
Student Assessment	Wayground, Snorkl	Map to Oklahoma assessment frameworks

Implementation Framework

An effective AI implementation framework in education requires a strategic approach that balances technological innovation with pedagogical goals and institutional readiness. This framework should encompass key phases, including needs assessment, stakeholder engagement, pilot testing, scalable deployment, and continuous evaluation while ensuring alignment with learning objectives and ethical considerations. Successful implementation depends on establishing clear governance structures, providing comprehensive training for educators, securing adequate funding and technical infrastructure, and creating feedback mechanisms to measure impact and adapt strategies based on real-world outcomes.

Three Essential Elements for Classroom Integration



1. Transparency

AI tools provide powerful capabilities, but it is crucial to foster a clear understanding of how they can and should be used. Educators should openly discuss the capabilities, limitations, and ethical considerations related to AI. When teachers demystify AI, students can make informed decisions and engage with these tools effectively. Providing well-defined instructions ensures that users understand the boundaries and limitations, promoting responsible and effective use.

2. Rigor

AI can potentially enhance the quality and impact of student work. By simplifying routine tasks, AI can free students to engage in more complex challenges. For example, it can help with organizing notes, checking grammar, or finding information quickly. This gives students more time to focus on learning new ideas and being creative.

3. Curiosity

AI should ignite curiosity and expand student inquiry. By incorporating AI tools, educators can encourage exploration beyond the classroom. Students can use AI to investigate real-world problems, analyze patterns, and discover connections. This curiosity-driven approach fosters a genuine desire to learn.

Thoughtful integration of AI can transform the learning experience, making it more engaging, personalized, and impactful.

Responsible Implementation of AI in K-12 Education

The use of AI allows for the personalization of learning and supports the needs of all students. When leveraging AI, it is critical to ensure data privacy compliance, data retention, and robust security measures to protect student information. Additionally, it is important to recognize the presence of bias in AI algorithms and how this may impact student outcomes. Machine learning models are trained using vast amounts of data collected online, but not all online information is necessarily accurate or reliable. To address this,

educators should equip students with the ability to recognize bias, foster critical thinking, and promote empathy through digital citizenship education related to the appropriate and ethical use of computing devices. Furthermore, it is important to provide ongoing professional learning for educators and engage in conversations with stakeholders—students, community members, educators, and families—to understand how AI is being used in education and address any questions or concerns.

Implementation Phases

Phase 1: Foundation (Year 1)

- Establish AI governance structure
- Develop initial policies and procedures
- Provide basic AI literacy training for staff
- Integrate basic AI literacy into curriculum
- Pilot AI tools in selected classrooms
- Begin community engagement
- Develop robust evaluation metrics

Phase 2: Expansion (Years 2-3)

- Expand successful pilot programs
- Deepen teacher professional development
- Refine policies based on initial experiences

Phase 3: Integration (Years 4-5)

- Seamless integration of AI across curriculum
- Advanced applications in specialized areas
- Student leadership in AI implementation
- Data-driven refinement of approaches
- Knowledge sharing with other districts

Implementation Checklist for Oklahoma Schools

- ☐ Form AI planning committee with various stakeholders
- ☐ Assess current technology infrastructure and needs
- ☐ Develop AI policy aligned with district goals
- ☐ Create professional development plan

- ☐ Select appropriate AI tools through rigorous evaluation
- ☐ Pilot implementation with teacher champions
- ☐ Collect and analyze feedback
- ☐ Refine implementation approach
- ☐ Scale successful practices
- ☐ Continuously evaluate and improve

Core Implementation Principles

Enhancing, Not Replacing

- Augment educational experiences without replacing educators
- Establish thoughtful balance between human instruction and technological enhancement
- Use AI as a tool that amplifies teacher impact

Ethical Use

- Establish comprehensive guidelines for respectful and responsible online behavior
- Foster ethical awareness around validity, bias, and transparency
- Develop clear protocols for AI use in assignments and assessments
- Create clear attribution practices for AI-assisted work

Stakeholder Engagement

- Host regular conversations with students, educators, parents, and community
- Provide transparent information about AI tools and their purposes
- Collect ongoing feedback to refine approaches
- Develop partnerships with local industry and higher education

Professional Development

- Provide comprehensive training on AI literacy and integration
- Create opportunities for ongoing learning as technologies evolve
- Establish teacher leadership roles for peer-to-peer mentoring

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Roles and Responsibilities

Successful AI implementation strategies require different educational stakeholders, recognizing that teachers, administrators, IT staff, and support personnel each have unique needs and perspectives when adopting AI technologies. Teachers receive guidance on integrating AI tools into lesson planning and assessment, administrators learn about policy development and resource allocation, and technical staff focus on infrastructure requirements and security protocols. By addressing role-specific concerns and opportunities, this framework ensures that all members of the educational community can effectively contribute to and benefit from AI implementation while maintaining their distinct professional responsibilities.

Oklahoma State Department of Education

- Develop statewide AI strategy aligned with educational goals and standards
- Provide guidance on AI implementation that respects local control
- Coordinate professional development opportunities
- Evaluate AI tools and platforms
- Monitor access across Oklahoma districts

District Technology Team

- Develop district-wide AI policies
- Assess district infrastructure readiness for AI implementation
- Develop technical specifications for AI tool procurement
- Ensure security and privacy standards are met
- Provide technical support for AI implementation
- Lead technical professional development for staff

School Boards

- Approve AI policies and acceptable use guidelines
- Allocate resources for AI implementation
- Represent community interests in AI decision-making
- Monitor impact of AI on educational outcomes
- Ensure alignment with district mission and values

School-Level Implementation Team

Each school should establish a team including:

- Principal or assistant principal
- Technology coordinator
- Teacher representatives from different grade levels/departments
- Special education representative
- Parent representative

Audience-Specific Guidance

Administrators

AI Decision-Making Framework:

1. **Identify Need**: What educational challenge are you trying to address?
2. **Assess Options**: Evaluate AI and non-AI solutions
3. **Evaluate AI Tools**: Review AI tools to make sure they are safe for users, protect personal data, and are appropriate for use in the school district
4. **Implementation Planning**: Training, support, policies
5. **Monitor & Evaluate**: Establish success metrics

Key Responsibilities:

- Assess benefits and risks of AI tools before adoption
- Develop clear policies for AI use, including data privacy and academic integrity
- Establish AI Governance Committee for oversight and compliance
- Ensure AI procurement follows state and federal guidelines

Teachers

Classroom Implementation Ideas:

- Create personalized learning pathways using adaptive AI platforms
- Use AI to generate differentiated practice materials
- Leverage AI for formative assessment and immediate feedback
- Incorporate AI literacy into subject-area content
- Model appropriate AI use and critical evaluation

Key Responsibilities:

- Use AI to enhance lesson planning, formative assessment, and student engagement
- Maintain human oversight; always review AI-generated content before use
- Participate in AI literacy training

Students

AI Literacy Skills Progression:

Literacy Skills	Elementary School	Middle School	High School
General Understanding	Basic awareness of AI	Understanding how AI works	Critical evaluation of AI systems
AI Tool Use	Guided use of simple AI tools	Semi-independent use with oversight	Responsible independent use
AI Ethics	Introduction to AI ethics	Deeper exploration of ethical issues	Analysis of societal impacts

Key Responsibilities:

- Learn about AI's capabilities, limitations, and ethical use
- Follow school guidelines for AI-assisted assignments and academic integrity
- Report any misuse of AI to school authorities

Parents & Guardians

Key Responsibilities:

- Stay informed about AI use in their child's school
- Participate in community engagement opportunities
- Provide consent as needed for specific uses of student data and AI tools
- Support healthy technology habits at home

Family Resources:

- Parent Guides to AI in Education (available in multiple languages)

- Family AI literacy workshops
- Regular communication about classroom AI use
- Guidelines for supporting appropriate AI use at home

Academic Integrity Guidelines

Redefining Academic Integrity in the AI Era

As artificial intelligence becomes increasingly embedded in how we write, communicate, and create, the boundaries of academic integrity are being redefined. Simply labeling all AI-assisted work as “cheating” oversimplifies a complex and evolving landscape. Students are growing up in a world where generative AI tools are readily accessible—used not only in classrooms, but also in the workplace and daily life. As educators, our role is not to resist this change, but to guide students in learning how to use AI responsibly, ethically, and transparently.

To support this shift, teaching practices and academic policies must evolve to reflect the nuanced ways in which AI can support learning. That means moving beyond binary thinking—AI use or no AI use—and instead offering clear expectations about what kinds of AI engagement are appropriate in different contexts.

The AI Acceptable Use Rating Scale was developed to provide that clarity. It offers a tiered framework to help educators and students distinguish between levels of AI involvement, from no use at all, to AI as a brainstorming partner, editor, or full creative collaborator with human oversight. Each level includes guidelines for transparency, citation, and ethical use, ensuring students remain active participants in the learning process, not passive recipients of machine-generated content.

By integrating this scale into instruction and assignments, educators can foster a culture of responsible AI use that supports academic growth, creativity, and integrity.

AI Acceptable Use Rating Scale

	Level of AI Use	Full Description	Disclosure Requirements
0	**NO AI Use**	This activity is to be completed entirely without AI assistance. AI **MAY NOT** be used at any point during the activity. This level ensures that students rely solely on their own knowledge, understanding, and skills.	No AI disclosure required. May require an academic honesty pledge that AI was not used.
1	**AI-Assisted Idea Generation and Structuring**	No AI content is allowed in the final submission. AI can be used in the activity for brainstorming, creating structures, and generating ideas for improving work.	AI disclosure statement must be included disclosing how AI was used. Link(s) to AI chat(s) must be submitted with final submission.
2	**AI-Assisted Editing**	No new content can be created using AI. AI can be used to make improvements to the clarity or quality of student-created work to improve the final output.	AI disclosure statement must be included disclosing how AI was used. Link(s) to AI chat(s) must be submitted with final submission.
3	**AI for Specified Task Completion**	AI is used to complete certain elements of the task, as specified by the teacher. This level requires critical engagement with AI-generated content and evaluating its output. The student is responsible for providing human oversight and evaluation of all AI-generated content.	All AI-created content must be cited using a proper citation. Link(s) to AI chat(s) must be submitted with final submission.
4	**Full AI Use with Human Oversight**	Students may use AI throughout the activity to support their own work in any way the educator allows. AI should be a 'co-pilot' to enhance human creativity. The student is responsible for providing human oversight and evaluation of all AI-generated content.	Cite the use of AI using a proper citation. Link(s) to AI chat(s) must be submitted with final submission.

Adapted by Dr. Karen Leonard for the Oklahoma State Department of Education (OSDE) from the work of Dr. Leon Furze, Dr. Mike Perkins, Dr. Jasper Roe FHEA, & Dr. Jason Mcvaugh Link to Original Work.

This scale applies to any AI tools that generate new content (text, images, audio, video, code, etc.):

Level 0: NO AI Use

- **Description**: Activity completed entirely without AI assistance
- **Disclosure Requirements**: No AI disclosure required. May require academic honesty pledge that AI was not used

Level 1: AI-Assisted Idea Generation and Structuring

- **Description**: No AI content allowed in final submission. AI can be used for brainstorming, creating structures, and generating ideas
- **Disclosure Requirements**: AI disclosure statement must be included disclosing how AI was used. Link(s) to AI chat(s) must be submitted

Level 2: AI-Assisted Editing

- **Description**: No new content created using AI. AI can be used to improve clarity or quality of student-created work
- **Disclosure Requirements**: AI disclosure statement must be included disclosing how AI was used. Link(s) to AI chat(s) must be submitted

Level 3: AI for Specified Task Completion

- **Description**: AI used to complete certain elements as specified by the teacher. Requires critical engagement with AI-generated content
- **Disclosure Requirements**: All AI-created content must be cited using proper citation. Link(s) to AI chat(s) must be submitted.

Level 4: Full AI Use with Human Oversight

- **Description**: Students may use AI throughout the activity as allowed by the educator. AI should be a 'co-pilot' to enhance human creativity
- **Disclosure Requirements**: Cite the use of AI using proper citation. Link(s) to AI chat(s) must be submitted

Addressing Plagiarism in the AI Era

Traditional plagiarism policies need updating to address AI-assisted work. While AI detection tools exist, they are not always reliable and may produce false positives, incorrectly flagging human-written work as AI-generated. These tools also frequently miss sophisticated AI-generated content. Instead of relying on detection software, educators should establish baseline writing samples from students and design assessments that emphasize process, personal reflection, and elements that are difficult for AI to replicate.

Policy Updates:

- Revise academic integrity policies to specifically address AI use
- Focus on teaching proper attribution of AI-generated content
- Develop assessment methods that value process over final product
- Implement project designs that make inappropriate AI use less beneficial
- Talk with students about their creation/completion process

Detection Strategies:

- While AI detection tools exist, they are not foolproof
- More effective to have baseline writing samples from students
- Compare future work for consistency with established patterns

Addressing Misuse of AI Tools

Schools should implement strict prohibition on using AI to create or distribute deepfakes or non-consensual imagery. Policies should be set in place for prevention, reporting, and supporting victims of AI misuse to impersonate others for bullying, harassment, or any other form of intimidation. It is important that staff and students receive training on recognizing and responding to such incidents.

Prohibited Uses:

- Creating or distributing deepfakes or non-consensual imagery
- Using AI to impersonate others for bullying, harassment, or intimidation
- Any use that violates dignity or safety of others

Prevention and Response Framework:

Prevention Strategies:

- Digital citizenship curriculum in all grade levels across all subjectts
- Acceptable use policies
- Monitoring systems
- Regular awareness campaigns

Reporting Mechanisms:

- Anonymous reporting systems
- Clear procedures for staff
- Documentation requirements
- Response timeline guarantees

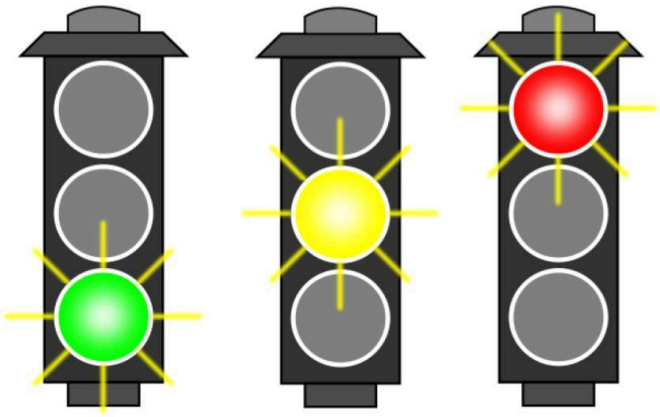
Support for Victims:

- Counseling services
- Content removal assistance
- Safety planning if needed
- Follow-up monitoring

Safety, Security, and Compliance

Safety, security, and compliance in educational AI implementation requires robust frameworks to protect student data, ensure appropriate content filtering, and maintain regulatory adherence to federal laws like **FERPA** and **COPPA** as well as state-specific requirements. Schools must establish comprehensive data governance policies, implement strong cybersecurity measures including encryption and access controls, and create clear acceptable use policies that address AI-specific risks such as algorithmic bias and misinformation. Regular security audits, incident response protocols, and ongoing compliance monitoring are essential to maintain trust and safety while ensuring that AI tools are used responsibly and ethically within the educational environment.

Risk Assessment Matrix



Risk Level	Description	Implementation Approach
Low Risk (Green)	AI tools that do not require personally identifiable information (PII), such as first and last name, address, birthdate, etc.	**ENSURE RESPONSIBLE USE** - Implementing data anonymization and security measures can help mitigate residual privacy risks
Medium Risk (Yellow)	AI tools that collect personal data such as learning analytics, engagement metrics, and assignment feedback	**USE WITH CAUTION** - Enhanced security protocols, transparent data practices, and clear communication on usage expectations can help mitigate these risks
High Risk (Red)	AI tools that collect sensitive information, like student demographics or PII	**USE WITH EXTREME CAUTION** - Robust security measures, strict adherence to user consent, and continuous data monitoring may help mitigate these risks

Relevant Regulations

Family Educational Rights and Privacy Act (FERPA)

- AI systems must protect privacy of student education records
- Comply with parental consent requirements
- Ensure AI vendors have appropriate data protection agreements

Children's Online Privacy Protection Act (COPPA)

- AI technologies collecting data on children under 13 must adhere to COPPA regulations
- Require parental consent and data minimization practices

Individuals with Disabilities Education Act (IDEA)

- AI must not deny students with disabilities equal access to educational opportunities
- Evaluate AI tools for accessibility compliance and compatibility with assistive technologies

Children's Internet Protection Act (CIPA)

- Ensure AI content filters align with CIPA protections against harmful content
- Balance educational access needs with protection requirements

https://www.ed.gov/laws-and-policy/individuals-disabilities/section-504

- Ensure digital content and AI technologies are accessible to students with disabilities
- Provide equivalent learning experiences for all students

Oklahoma-Specific Security Considerations

- Follow the **Oklahoma Student Data Accessibility, Transparency and Accountability Act**
- Implement security standards outlined in **Oklahoma Cyber Command Security Standards**
- Report data breaches according to **Oklahoma state law requirements**
- Conduct annual security audits of all AI systems in use

Human Oversight Requirements

Human-in-the-Loop Practices:

- **Review Protocols**: Established procedures for reviewing AI-generated content and recommendations
- **Override Mechanisms**: Clear processes for humans to override AI decisions
- **Audit Trails**: Documentation of when and how AI was used in decision-making

Critical Principle: AI must supplement, not replace, human instruction and decision-making. All high-stakes decisions require human review and approval.

Transparency and Community Engagement

It is important to engage and partner with students, parents, and community members in AI policy development. This can occur through advisory groups, surveys, and public forums. Keep in mind that parental/guardian consent is required for certain AI applications, especially those involving student data.

Disclosure and Transparency of AI Use

Districts should publicly disclose all AI tools in use, their purposes, and whether student data is processed. Schools should also maintain transparency about how AI tools make decisions and store data. Vendors must answer structured questions about data privacy, impact evidence, and compliance before districts contract to use the vendor's AI tools.

AI Tool Inventory Template: Districts should maintain a public inventory of all AI tools in use:

Tool Name	Purpose	Student Data Used?	Access Controls	Vendor Privacy Policy	Review Date
[Example]	[Purpose]	Yes/No	[Controls]	[Link]	[Date]

Parent Notification: Letters notifying parents about AI use should include:

- Tools being used
- Educational purpose
- Data practices
- Opt-out procedures (if applicable)
- Contact information for questions

Community Engagement Strategies

District leaders may consider forming an advisory group around the use of technology in general which includes AI tools. This helps encourage a culture of learning and transparency, as well as involves community experts who may have expertise that can be shared to improve the policy and usage of such tools.

Community Engagement Strategies

- **Public Forums**: Hold quarterly public meetings on AI in education
- **Advisory Committee**: Form a committee including parents, educators, students, and community members
- **Surveys and Feedback**: Regularly collect feedback on AI implementation
- **Transparency Reports**: Publish annual reports on AI use and impact
- **Family Workshops**: Provide opportunities for families to learn about and experience AI tools

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Resources and Support

Resources and support for AI in education encompass professional development opportunities, technical assistance programs, funding sources, and collaborative networks that help schools successfully implement and sustain AI initiatives. This includes access to vetted AI tool repositories, training modules for educators, implementation guides, grant opportunities, and partnerships with technology providers and educational organizations. Schools should leverage state and federal resources, connect with peer institutions sharing best practices, utilize vendor support services, and establish internal help desk systems to ensure all stakeholders have the guidance and assistance needed throughout their AI adoption journey.

AI Literacy and Training

Districts should provide mandatory AI literacy training for teachers, administrators, and students. The training topics should include:

- Responding to AI-related plagiarism
- Verifying AI outputs
- Understanding bias and privacy risks
- Redesigning assignments to minimize cheating

Ongoing professional development is encouraged to ensure educators are well-prepared to teach AI and foster AI literacy in students. Equipping students with this knowledge is essential for their future career opportunities, whether they pursue higher education, enlist in the military, or enter the workforce. By helping students develop skills in critical thinking, data analysis, and problem-solving through the use of AI, educators can better prepare them to thrive in an increasingly AI-driven world.

Professional Development Framework

Training Level	Target Audience	Content Focus	Delivery Method
Fundamentals	All staff	Basics of AI, ethical considerations	Online modules
Implementation	Classroom teachers	Classroom integration strategies	In-person workshops
Advanced	Tech coordinators, AI champions	Technical aspects, training others	Intensive bootcamp
Leadership	Administrators	Policy development, strategic planning	Leadership institutes

Procurement and Risk Management

As with all aspects of procurement, the same rigor must be ensured for the procurement of AI tools. The procurement process should include vendor certification on human oversight and bias minimization. It should include strong contract language prohibiting unauthorized data use, clearly defined risk protocols, and a system for regularly reviewing and updating policies.

Procurement Checklist

Before purchasing any AI tool, districts should verify:

- ☐ Alignment with educational goals and standards
- ☐ Compliance with all relevant privacy laws and regulations
- ☐ Transparent data collection and usage policies
- ☐ Vendor financial stability and support capabilities
- ☐ Technical compatibility with existing systems
- ☐ Accessibility for all students
- ☐ Total cost of ownership (including training, support)
- ☐ Evidence of effectiveness and impact

Vendor Assessment Questionnaire

Districts should require vendors to answer the following questions:

Data Privacy:

- What student data is collected?
- How is data used, stored, and protected?
- Is data ever sold or shared with third parties?

Algorithm Transparency:

- How does the AI make decisions?
- What measures address potential bias?
- How frequently is the AI model updated?

Security:

- What security certifications does the product have?
- How are security vulnerabilities addressed?
- What is the incident response protocol?

Evidence of Impact:

- What research supports the tool's effectiveness?
- What outcomes have other districts experienced?
- How is impact measured and reported?

Access for All

Supporting Different Learning Styles

Personalized Learning Paths

- Adaptive learning platforms adjust content, pace, and difficulty based on performance and preferences
- Intelligent tutoring systems provide customized feedback and support in real time

Language Support and Translation

- Real-time translation tools help English Learners access content in their home language
- Speech-to-text and text-to-speech tools support students with dyslexia, dysgraphia, or auditory processing challenges
- AI-powered grammar and writing assistants help refine writing

Accessibility Features

- Voice assistants and screen readers enhance navigation for students with visual or motor impairments
- AI tools automatically generate captions, transcripts, and alternative text for multimedia
- AI converts text into simplified language for students with cognitive disabilities or language delays

Addressing Economic Disparities For Schools Serving Economically Disadvantaged Populations:

- **Device Access Programs**: Ensure all students have access to necessary technology
- **Family Support Resources**: Help families support AI-enhanced learning at home

- **Community Partnerships**: Collaborate with libraries and community centers to expand access

Rural Education Support Oklahoma's Rural Schools Can Benefit From:

- **Virtual Specialists**: AI-enhanced connections to support specialists
- **Expanded Course Offerings**: AI-supported advanced courses not otherwise available
- **Asynchronous Learning Opportunities**: Flexible learning options for areas with connectivity challenges
- **Local Context Integration**: AI tools that incorporate local community knowledge

Funding Considerations Funding Sources

- **Title IV A Funds**: Can support technology integration and professional development (if funding is reinstated)
- **E-Rate Program**: For necessary infrastructure improvements
- **Private Grants**: Technology companies often offer education grants
- **Community Partnerships**: Local businesses may sponsor initiatives

Budget Planning by Resource Level

Schools should consider:

Limited Resources:

- Start with free or low-cost AI tools
- Focus on high-impact areas first
- Leverage teacher champions who can train others
- Join consortia to share costs
- Prioritize tools that reduce other expenses

Moderate Resources:

- Phased implementation approach
- Balanced investment in technology and training
- Develop in-house expertise for sustainability
- Evaluate return of investment (ROI) of different AI applications

Substantial Resources:

- Comprehensive implementation
- Investment in custom solutions
- Creation of model programs
- Research partnerships to evaluate impact
- Sharing best practices with other districts

Cost Implications

Districts should onsider these cost factors when implementing AI:

- Initial investment in hardware and software
- Ongoing subscription costs for AI platforms
- Professional development expenses
- Technical support and maintenance costs
- Cost-benefit analysis comparing AI solutions to traditional approaches

Educational Resources and Support

For K-12 School Leaders

- "AI and Our Kids: Common Sense Considerations and Guidance for Parents, Educators, and Policy Makers 2023" (Common Sense Media)
- US Dept. of Education Office of Educational Technology: Artificial Intelligence
- TeachAI Guidance for Schools Toolkit
- AI and the Future of Teaching and Learning (US Department of Education)
- Leveraging the K-12 Gen AI Readiness Checklist: A Guide for District Leadership (Consortium for School Networking)
- Bringing AI to School: Tips for School Leaders (International Society for Technology in Education)
- AI Product Reviews (Common Sense Media)

- A Guide to AI in Education (Google for Education)
- ISTE Standards for Students (International Society for Technology in Education)

For Staff Development

aiEDU

- AI Toolkits

ASCD

- Broadening Professional Learning on AI

Code.org

- AI 101 for Educators

Google

- Advancing Education with AI

Microsoft

- AI Bootcamp for Educators

TeachAI

- Toolkit and Resources

For Teaching Students

AI for Education

- Downloadable Resources for Classrooms
- Introduction to AI for Students
- Prompt Library

aiEDU

- Curriculum Library

Common Sense Media

- AI Literacy Lessons for Grades 6-12

International Society for Technology in Education (ISTE)

- Hands-on AI Projects for the Classroom: Elementary
- Hands-on Projects for the Classroom: Secondary
- Hands-on Projects for the Classroom: Electives
- Hands-on Projects for the Classroom: Ethics and AI

Ethical AI Procurement

- AI Risk Assessments (Common Sense Media)
- Emerging Technology Adoption Framework (Digital Promise)

Looking Forward

The Future of AI in K-12 Education

The future of K–12 education will be deeply shaped by the continued evolution of AI tools. These technologies are advancing rapidly, offering increasingly personalized, adaptive learning experiences and transforming how students engage with content, teachers deliver instruction, and schools support diverse learning needs.

Emerging Trends

1. Adaptive Learning Ecosystems AI systems will become more sophisticated at identifying learning gaps and automatically adjusting content difficulty to each student's optimal challenge level.

2. AI-Human Collaborative Teaching Rather than replacing teachers, AI will increasingly serve as an educational partner, handling routine tasks while enabling educators to focus on higher-order learning facilitation, social-emotional development, and creative exploration. For example, AI can assist with tasks such as drafting lesson plans or organizing classroom materials, freeing up valuable time for teachers to engage more deeply with students.

3. Data-Informed Decision Making School systems will leverage AI analytics to make more nuanced decisions about curriculum effectiveness, intervention strategies, and resource allocation.

4. Immersive Learning Environments AI-powered virtual and augmented reality will create more engaging, multisensory learning experiences that were previously impossible in traditional classroom settings.

Maintaining the Human Heart of Education

These evolving tools, coupled with skilled human educators, hold the potential to create a future where education is not only more engaging but truly caters to the individual needs, interests, and learning styles of every student. The key to this positive future lies in thoughtful implementation that prioritizes:

- Human connection
- Ethical considerations
- Educational equity
- The deeply human nature of teaching

It is important that we keep the heart of education front and center: our students, the relationships we build, and the deeply human nature of teaching. We do not want that to get lost as we explore innovation.

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