NEVADA'S STELLAR PATHWAY TO AI TEACHING AND LEARNING:

ETHICS, PRINCIPLES, AND GUIDANCE

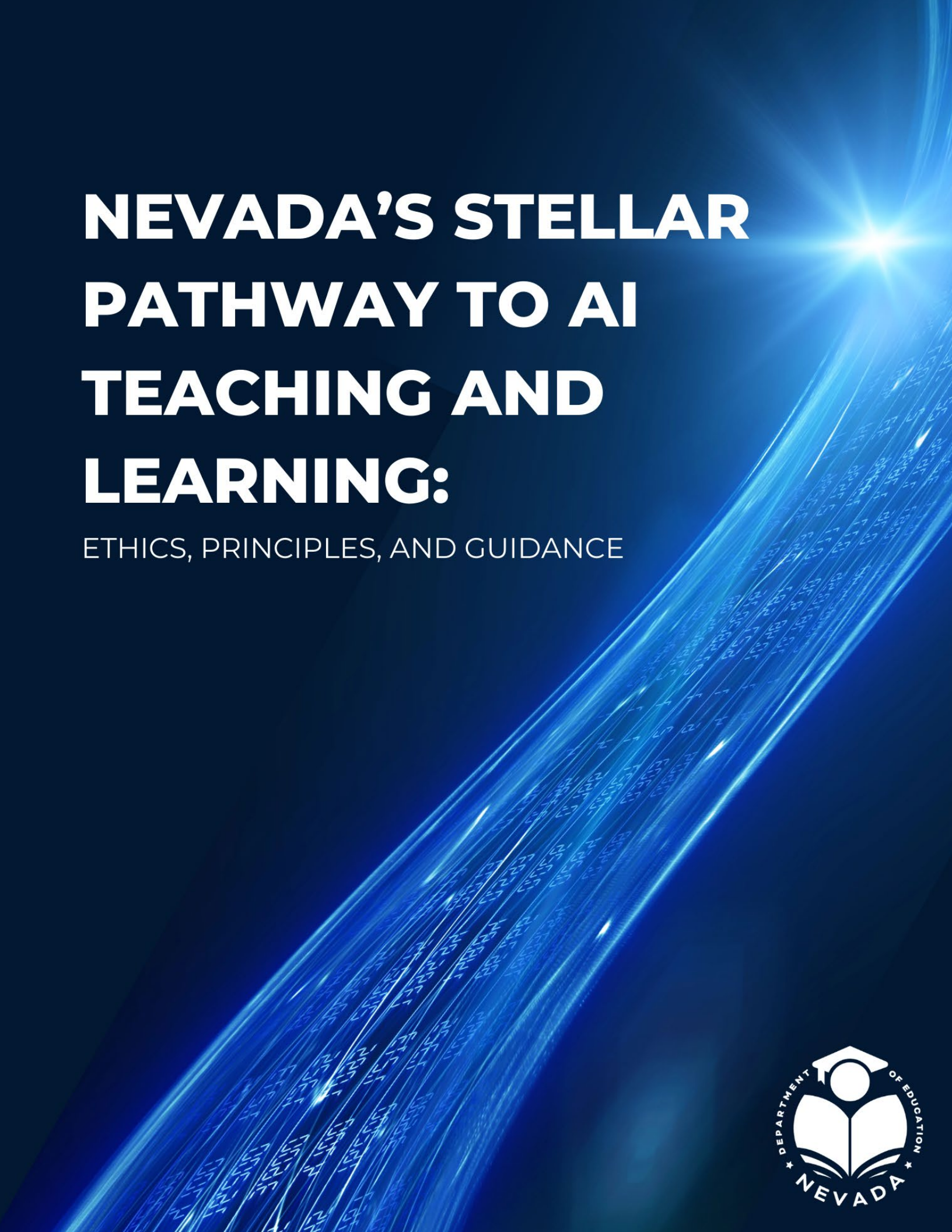


TABLE OF CONTENTS

As our understanding of AI continues to evolve, this document will be updated to reflect the latest advancements and insights. Always refer to the Nevada Department of Education's website for the most recent version.

https://doe.nv.gov/offices/office-of-teaching-and-learning/nevada-digital-learning

Joe Lombardo
Governor

Jhone M. Ebert
Superintendent of Public Instruction

Southern Nevada Office
2080 E. Flamingo Road, Suite 210
Las Vegas, Nevada 89119-0811
Phone: (702) 486-6458
Fax: (702) 486-6450

STATE OF NEVADA
DEPARTMENT OF EDUCATION
700 E. Fifth Street | Carson City, Nevada 89701-5096
Phone: (775) 687-9200 | www.doe.nv.gov | Fax: (775) 687-1116

March 2025

Empowering Nevada's Students Through Responsible AI in Education

Dear Nevadans,

As your State Superintendent of Public Instruction, I am excited to share our proactive approach to harnessing the power of artificial intelligence (AI) to enhance education across our state. Nevada is proud to launch the Nevada AI Alliance, a task force dedicated to developing ethical guidelines and resources for integrating AI into our PK-12 classrooms through our partnership with the Leadership Institute of Nevada (LION) and the Nevada Community Foundation.

AI has the potential to revolutionize how we teach and learn. By personalizing instruction, providing real-time feedback, and streamlining administrative tasks, AI can empower our educators and unlock the full potential of every Nevada student. Imagine a future where students receive tailored lessons that adapt to their learning styles, where teachers are freed from time-consuming paperwork to focus on fostering creativity and critical thinking, and where data-driven insights inform our educational strategies. This exciting potential of AI in education is what we are striving to bring to our classrooms in Nevada.

At the same time, there is uncertainty surrounding AI. NDE has created opportunities to address this. Through our "AI in Nevada" initiative, we have engaged in a statewide dialogue with educators, parents, students, and community members to understand your concerns, hopes, and expectations for AI in education. We have hosted town halls across the state, and your feedback has been invaluable as we craft a comprehensive framework for responsible AI implementation. We have heard your concerns about access to technology, data privacy, algorithmic bias, and the essential role of teachers in the classroom. These concerns are at the forefront of our work.

Schools across Nevada are already pioneering efforts to integrate AI in classrooms, so we are committed to addressing the challenges associated with AI. We will work tirelessly to bridge the digital divide, ensuring that all students have the tools and resources they need to succeed in the digital age. We will prioritize protecting student data by implementing robust security measures and transparent practices to maintain trust. Additionally, we will champion the invaluable role of teachers by supporting PK-12 educators in effectively integrating AI into the learning environment, curriculum, professional learning, and research activities.

Our ultimate goal is to equip our students with the skills they need to thrive in the 21st century. By embracing AI thoughtfully, responsibly, ethically, and with academic integrity, we can prepare them for a future in which critical thinking, creativity, and collaboration are paramount with AI and digital literacy skills. We envision AI as a classroom innovation catalyst to empower student agency, enhance learning, increase efficiency and access, foster collaboration, and promote problem-solving.

We invite you to join us on this journey as we explore the possibilities of AI in education. Together, we can position Nevada's students at the forefront of innovation and learning, building a brighter future for education in the Silver State.

Sincerely,

Jhone M. Ebert
Superintendent of Public Instruction

OVERVIEW

Artificial intelligence is not a substitute for human intelligence; it is a tool to amplify human creativity and ingenuity.

Artificial Intelligence (AI) is revolutionizing education by unlocking opportunities for personalized learning, data-driven instruction, and innovative teaching approaches. As Nevada embraces AI in its schools, it is essential to ensure its use remains responsible, fair, and aligned with best practices for everyone.

AI is a transformational technology that simulates cognitive capabilities commonly associated with human intellect, including learning, reasoning, problem solving, and perception. In essence, AI allows machines to simulate through programming what it takes humans to complete through intellect and critical thinking. Further detail on AI Definitions can be found in Stanford University's Human-Centered Artificial Intelligence Definitions.

To guide this effort, Nevada's STELLAR Pathway to AI Teaching and Learning provides a structured approach to PreK-12 education while upholding ethical principles, fostering digital literacy, maintaining human connections, and preparing students for an AI-driven future. Clear guidelines and professional training play a critical role in supporting AI's effective implementation. The Nevada Department of Education (NDE) is dedicated to assisting school districts and charter schools known as Local Education Agencies (LEAs) in navigating this evolving landscape.

The overarching goal of NDE is to prepare students for a future shaped by AI while ensuring its use is equitable, accessible, and thoughtfully integrated into education systems.

Teaching AI literacy includes understanding how it works, its potential application, and its ethical implications from Pre-K through 12th grade is vital to ensure students are prepared for an AI-driven world. In the classroom, AI should be used to empower educators, not to substitute their expertise and human connection. Transparency is key; teachers, students, and parents need to understand how AI systems make decisions and influence learning.

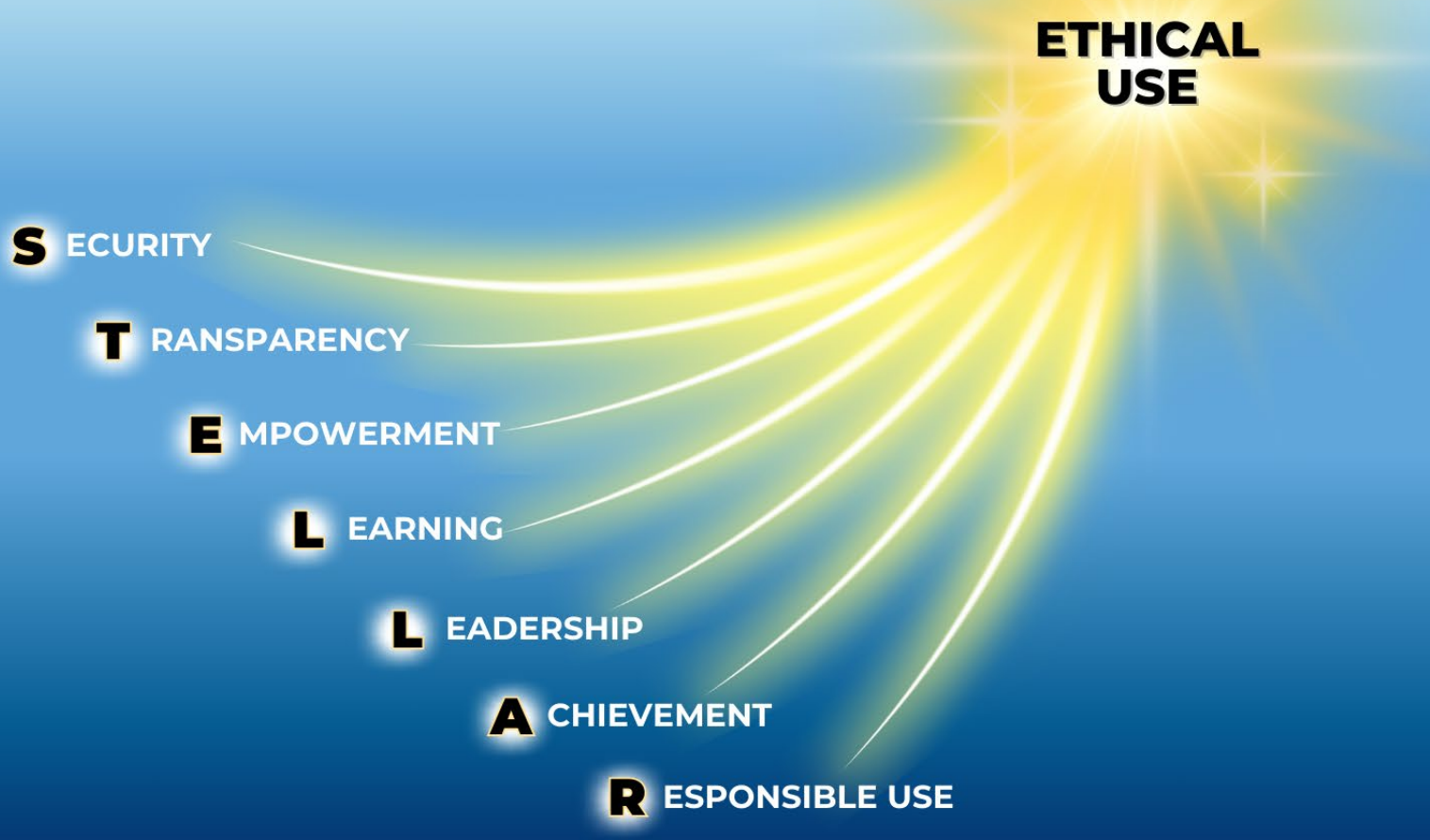
Successfully integrating AI requires collaboration among educators, policymakers, community members, and industry leaders. By working together, we can harness AI's potential while ensuring safety, responsibility, and innovation in education.

To advance this effort, NDE launched the Nevada AI Alliance, which hosted research sessions, town halls, and stakeholder meetings from January to May 2024. These discussions helped identify key concerns, goals, and perspectives regarding AI in education. The insights gathered from these conversations shaped this guide, which is designed to help LEAs develop policies and provide practical guidance to teachers, students, parents, administrators, and educational leaders on responsible AI use in schools.

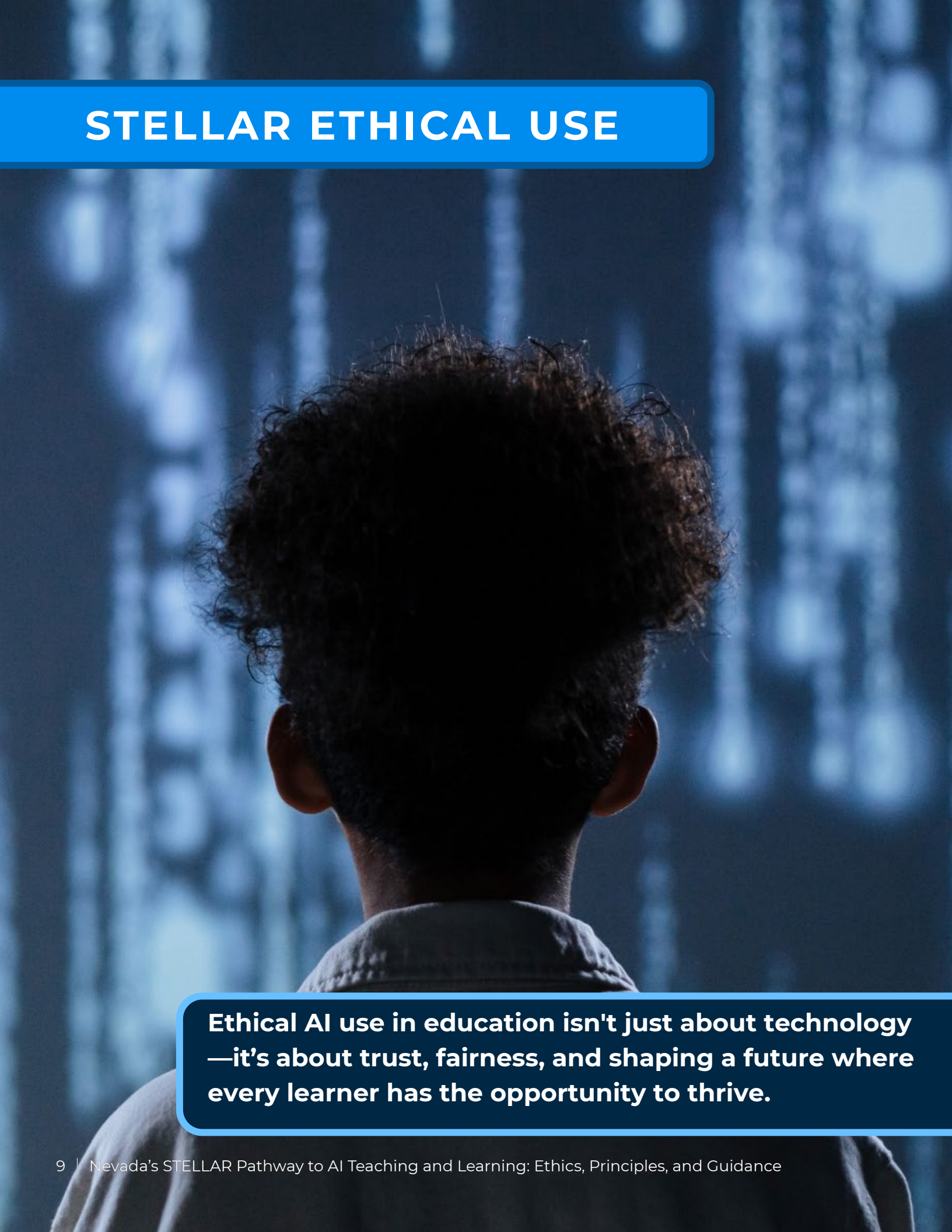
AI: LIGHTING A PATH TO A STELLAR FUTURE

ETHICS STATEMENT

The Nevada Department of Education (NDE) is committed to the ethical integration of Artificial Intelligence (AI) into preschool through 12th grade, ensuring alignment with federal and state laws regarding student privacy and data security. Ethical use serves as our guiding principle —our North Star— to protect the safety and security of students, staff, and schools. To support this commitment, NDE has established clear guardrails that define and uphold the principles of Ethical Use in the application of AI across educational settings.



STELLAR ETHICAL USE



Ethical AI use in education isn't just about technology—it's about trust, fairness, and shaping a future where every learner has the opportunity to thrive.

Integrating AI into education offers exciting opportunities while demanding a deep sense of responsibility. Collaboration among educators, administrators, students, and parents is key to addressing potential biases and ensuring AI respects individual rights. AI should complement, not replace, human interaction, with teachers and mentors maintaining their pivotal role in guiding, supporting, and inspiring students. By fostering innovation and adaptability, Nevada's schools can create inclusive learning environments that evolve with student needs. By keeping the STELLAR principles in mind, we can promote the ethical use of AI in Nevada's schools.

To thrive in an AI infused world, students must develop AI literacy, including understanding what AI is and how it functions; recognizing when, why, and under what circumstances it can be used ethically; and learning how to interact effectively with AI tools to maximize their potential (Watson et al., 2024).

S **Security:** As AI creates new opportunities in education, protecting security, privacy, and personal data is essential. Schools should set clear data policies, work with trusted vendors, limit data collection, and regularly assess tools for risks. Staff training and student education on safe AI use are also key. When used wisely, AI can even strengthen security by detecting threats and enhancing digital safeguards. With a shared focus on data protection and proactive safeguards, schools can confidently embrace AI's potential.

T **Transparency:** All AI systems used in schools should be transparent and easy to understand, with clear explanations of how they work, what data they use, and how they make decisions. Providing this information helps educators, students, and parents recognize when AI is being used, such as in grading tools, learning platforms, or behavior tracking. It also builds trust in the technology, ensuring AI is applied in fair, ethical, and thoughtful ways.

E **Empowerment:** AI is revolutionizing education by empowering students to explore, create, and solve complex problems. To ensure all learners benefit, AI must be accessible, meaningful, and integrated with tools that foster curiosity and critical thinking. Local Education Agencies (LEAs) play a key role in providing resources, while collaboration among schools, families, and communities helps shape ethical AI education. By fostering design thinking, hands-on experimentation, and digital citizenship, schools can prepare students to thrive in an AI-driven world.

L **Learning:** AI fosters a culture of continuous learning by encouraging students to become self-directed, curious, and resilient. Providing districts, schools, and teachers with innovative AI tools fosters adaptability and growth in the ever-evolving educational landscape. While AI introduces transformative possibilities, the human connection remains essential for offering guidance, support, and inspiration.

L **Leadership:** AI is rapidly transforming education, and strong, student-centered leadership is essential to guide its use effectively. Leaders ensure AI supports learning, strengthens human connection, and aligns with clear goals by driving strategic planning, offering professional development, fostering collaboration, and providing transparency and accountability. With thoughtful integration, AI becomes a powerful tool to support meaningful instruction and guide students toward future-ready skills.

A **Achievement:** AI boosts educational achievement by personalizing student learning, easing administrative tasks for teachers, and offering data-driven insights for school leaders. When thoughtfully applied, it enhances teaching, supports professional development, and encourages innovation—creating a dynamic, supportive learning environment that promotes ongoing growth for everyone involved. By unlocking new possibilities in how we teach, learn, and lead, AI empowers schools to meet a wide range of learning needs, close achievement gaps, and prepare students for success in a rapidly evolving world.

R **Responsible Use:** When used responsibly, AI can support learning, spark creativity, and make school tasks more manageable. Educators play a key role by setting clear expectations, modeling ethical behavior, and teaching students to use AI with care and honesty. All members of the school community should utilize AI in ways that are fair, respectful, and purposeful—avoiding bias, misuse, or shortcuts. Encouraging original thinking, proper citation, and thoughtful practice enables students to view AI as a valuable learning partner they can trust and use with confidence.

SECURITY

AI can predict threats, but humans must prevent them.

AI is creating unprecedented possibilities in education and ensuring its safe and responsible use depends on the active collaboration of all stakeholders. School leaders, teachers, students, families, and the community each have a crucial role in making AI a secure and effective tool for learning. As AI becomes more integrated into classrooms and school operations, prioritizing data privacy and cybersecurity is essential. Establishing clear guidelines, adopting mindful practices, and fostering open communication help build a safe and supportive environment for AI in education.

Protecting student privacy is one of the most important considerations when using AI in schools. Many AI tools, including language models, process large amounts of data, which may sometimes contain Personally Identifiable Information (PII). If not appropriately managed—whether during training or daily use—this data could be exposed or misused, putting student privacy at risk. Implementing strong safeguards ensures that sensitive information remains secure. Schools can establish clear policies on how student data is collected, stored, shared, and deleted while complying with laws such as the Family Educational Rights and Privacy Act (FERPA) and state regulations. Conducting regular security assessments helps identify and address potential vulnerabilities in AI tools, further strengthening data protection.

Cybersecurity plays a vital role in ensuring AI is used safely in education. AI tools can sometimes be manipulated to generate incorrect or even harmful information, posing challenges for both students and teachers.

Implementing strong safeguards helps maintain the reliability and security of these tools. Providing educators and school staff with training on responsible AI use, identifying security threats, and handling data safely strengthens overall protection. Limiting data collection to only what is essential further reduces risks and enhances student privacy.

Students also play an important role in keeping AI safe. Learning how to protect personal information—like full names, addresses, or contact details—helps them stay secure while using AI tools. Checking privacy settings on the apps and platforms they use gives them more control over their data. Encouraging students to be cautious when using unfamiliar AI-powered websites or accounts helps them navigate digital spaces more safely.

Since many schools use AI tools from outside vendors, it is also important to be thoughtful about these partnerships. Vendors need to be clear about who has access to student data, how it is stored and protected, whether they have had security issues in the past, and what happens to the data after a contract ends. Giving teachers and school staff a way to share feedback about AI tools helps improve them over time. Choosing to work only with trusted companies that take privacy and security seriously is one of the best ways to protect student information.

Enhanced security measures in schools can significantly improve safety, and AI has the potential to greatly support these efforts. AI-powered systems can identify suspicious behavior, automate threat detection, and send real-time alerts to help prevent security breaches. When combined with encryption, secure login protocols, access controls, and routine security audits, AI-driven tools can effectively minimize risks and protect student data. Although no solution can guarantee complete security, integrating AI with proactive strategies strengthens overall defenses and fosters a safer digital environment for both students and educators.

By working together, schools can embrace the benefits of AI while keeping safety, privacy, and fairness at the center of teaching and learning. When used responsibly, AI can be a powerful tool for learning, helping students and teachers in meaningful ways while ensuring that security and trust always come first.

Sensitive and Confidential Data

Ensure that your local education agency's AI use complies with student/personal privacy and data protection laws. Always check and follow age restrictions for any AI tools or resources. Keep private data safe and only use AI tools that meet these important requirements:

- Family Education Rights and Privacy Act (FERPA) requires that schools not disclose Personally Identifiable Information (PII) of a minor or eligible student without the express written consent of the parent or eligible student.
- Children's Online Privacy Protection Act (COPPA) requires schools to obtain parental consent before allowing students under 13 to use online services that collect, use, or disclose personal information.
- Children's Internet Protection Act (CIPA) requires that schools implement an internet safety policy that includes protective measures to block or filter access to obscene or harmful content.
- The Protection of Pupil Rights Amendment (PPRA) grants parents the right to review and opt their children out of data collection that reveal sensitive information concerning their beliefs, behaviors or family life.

Have a clear understanding of your data collection processes. Update policies to include the use of and considerations for using AI.

What Other Federal Laws Influence AI Policy?

The implications of AI extend beyond data privacy laws. For example, the Individuals with Disabilities Education Act (IDEA) Part B provides grants that can be used to train educators on how AI can assist students with disabilities. Additionally, Every Student Succeeds Act's (ESSA) Tiers of Evidence can help policymakers identify programs, practices, and policies that elevate student outcomes. Civil rights laws may also extend to protect students from algorithmic discrimination. See the Public Interest Privacy Center for more information (TeachAI, AI Policy Landscape Brief).

TRANSPARENCY

Clear AI processes build trust and understanding.

AI systems are most effective in schools when they are transparent and easy to understand. Explaining how these tools work, what data they use, and how they make decisions builds trust among educators, students, and families.

By prioritizing transparency, fairness, and data privacy, schools can create an environment where families feel confident that AI is being used with integrity. Openness not only keeps parents informed, but also encourages their active involvement in their child's education, turning AI into a tool that supports and connects the entire school community. To build this trust and ensure AI is used effectively, each group within the school community has a unique role to play. Here is what transparency looks like for different stakeholders:

District Leaders: At the district level, transparency means setting clear guidelines for selecting, using, and evaluating AI tools—ensuring they align with both educational standards and ethical values. Keeping schools informed about how AI is being integrated across the district helps maintain consistency and trust. Creating workgroups that include teachers, students, parents, and other stakeholders is a valuable way to gather input on AI policies and practices. These groups can help identify challenges, evaluate the impact of AI tools, and recommend improvements. Regular updates on AI's effectiveness, data usage, and contribution to student success foster a well-informed and actively engaged school community.

Administrators: School administrators play a key role in overseeing the use of AI and ensuring it supports educational goals. Access to detailed reports on AI performance, data usage, and student outcomes enables them to make informed decisions and uphold fair practices.

Being transparent with teachers and staff about how AI is used in areas like evaluations, resource allocation, and decision making fosters understanding and trust.

Keeping parents informed about AI's role in the school community also strengthens collaboration and reassures families about its impact on their children's education.

> **"I think AI provides an opportunity for us to explore creative and new ideas."**
>
> **Nevada Educator**

Teachers: Transparency with AI means clearly understanding how it influences instruction, curriculum, and student engagement. When educators know how AI generates recommendations, assessments, or feedback, they can use these insights more effectively and meaningfully to support student learning.

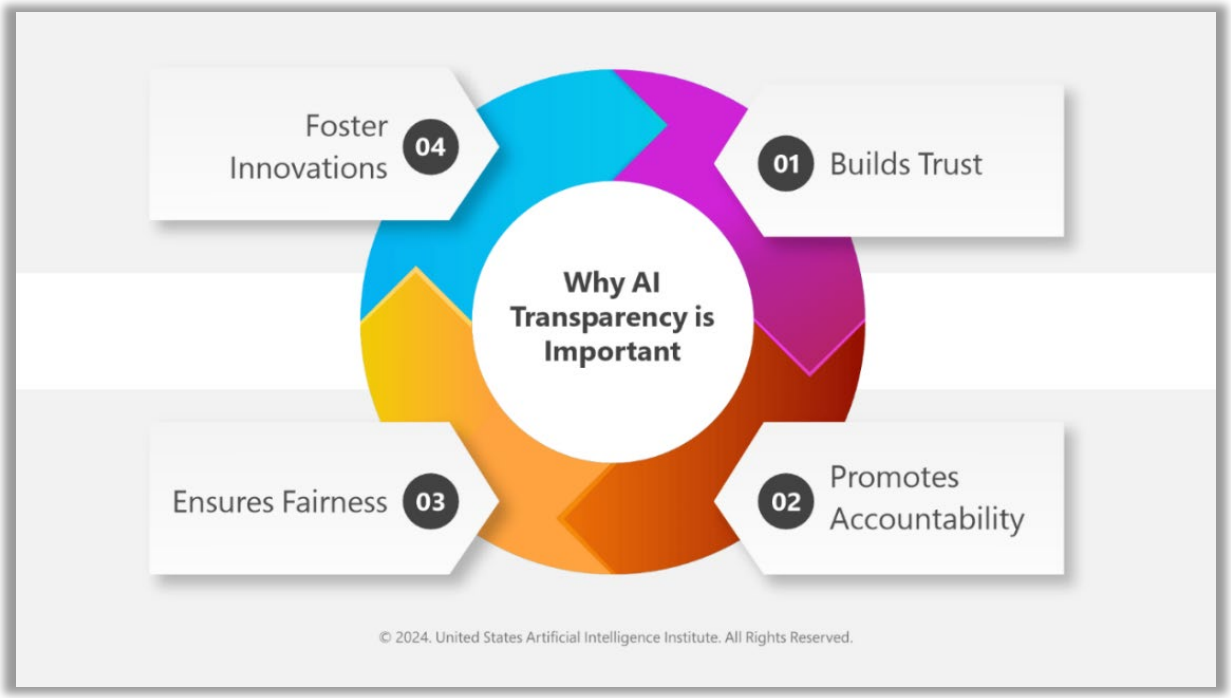
It is equally important to keep school leadership informed about how AI is integrated into instruction, the goals it supports, and how it aligns with broader educational priorities. Helping students understand how AI is used for grading or feedback further promotes fairness and trust.

Parents: Parents play a vital role in their children's education and understanding the AI tools students use helps them engage in meaningful conversations about ethical and responsible use. Schools can support this by offering clear, easy-to-understand information on how AI enhances learning and how student data is protected. When parents are informed, they feel more connected and involved in their child's educational journey.

Open communication builds trust and creates space for parents to share feedback or raise concerns. When schools and families work together, AI becomes a powerful tool for student success—promoting both transparency and accountability.

Students: AI can be a powerful learning partner, and understanding how it works empowers students to take charge of their learning. For example, AI tools can personalize feedback by analyzing a student's past performance and suggesting areas for improvement. This not only builds trust but also encourages ownership. Knowing how AI tools support their learning in such specific ways is key to using them effectively.

Open conversations about fairness and bias play a crucial role in helping students develop critical thinking and ethical awareness. When students communicate clearly with teachers like sharing prompts or drafts, they ensure that AI remains a supportive tool, not just a shortcut.



EMPOWERMENT

AI empowers students to do more, not less.

AI is reshaping education, unlocking new opportunities for students to explore, create, and solve complex problems with confidence. With the right tools and support, they can develop essential skills to think critically, innovate, and navigate an increasingly technology-driven world. For AI to truly empower all learners, it must be accessible, meaningful, and integrated in ways that foster curiosity, critical thinking, and problem solving.

To achieve this, local education agencies (LEAs) play a key role in ensuring all students have the resources to engage in AI-driven opportunities fully. Access to reliable internet, appropriate devices, and quality training ensures that students not only use AI, but also contribute to shaping how it enhances their education.

Equipping educators with innovative instructional strategies enables students to personalize their learning, explore new possibilities, and develop the creativity needed to drive innovation. In AI-enhanced environments, collaboration between teachers and students transforms technology from a tool of efficiency into one that fosters deeper understanding.
To maximize the impact of these advancements, students must be active participants in discussions about how AI education is shaped to meet their needs. Open dialogue between schools, families, and communities ensures that learning environments are inclusive, removing barriers that might limit opportunities for any student.

Digital Divides: The disparities in access to, use of, and benefits from digital technologies.

- **The digital access divide refers to inequitable access to connectivity, devices, and digital content.**
- **The digital use divide is when students engage with technology solely as passive consumers, and miss out on opportunities to analyze, build, and create.**

Additional terms in this section are included in the EDSAFE AI Alliance K-12 AI Policy Lab: Key Terminology.

Including all stakeholders—students, educators, and community members—helps ensure that AI-driven tools and resources are used ethically and effectively to reflect real-world challenges and possibilities.

AI literacy is more than understanding how this technology works—it is about empowerment. Students need the skills to critically evaluate content, recognize biases, and make informed decisions about AI's influence on their world. Instead of passively consuming information, students should engage in hands-on projects and real-world problem solving to experiment, create, and apply AI in meaningful ways. By prioritizing student agency, collaboration, and ethical AI use, schools can prepare students not just to adapt to change but to lead in an AI-powered future.

Finally, ensuring access to AI technologies requires strategic infrastructure development and resource allocation. Educational leaders must conduct comprehensive audits to identify gaps in technology access and resource distribution, particularly in underserved and rural areas. Based on the findings, targeted programs should be implemented to provide the necessary equipment, software, and training.

LEARNING

AI provides tools for a brighter future.

AI has the power to enhance learning by making education more engaging, personalized, and rigorous. It encourages students to ask deeper questions, explore complex ideas, and develop cognitive flexibility. Rather than replacing the human element in education, AI serves as a powerful tool that empowers students to become creative problem solvers, ethical decision makers, and forward-thinking leaders.

Integrating artificial intelligence into Personalized Competency-Based Learning (PCBL) enhances the ability to tailor education to each student's unique pace, path, and progress. PCBL allows students to advance upon demonstrating mastery of a concept or skill regardless of time, place, or pace, creating a more flexible and student-centered learning environment (Nevada Department of Education, 2025). When combined with AI, this model becomes even more powerful.

AI can provide real-time feedback, personalized learning pathways, and data-driven insights that help both students and educators make informed decisions. By embedding AI tools into PCBL, students not only build academic knowledge but also develop essential future-ready skills like critical thinking, adaptability, leadership, and problem-solving—empowering them to thrive in an increasingly complex and technology-driven world.

Equipping students and educators with clear, accessible training on AI's capabilities and limitations helps build critical thinking and informed decision-making. This ensures AI is used wisely, confidently, and ethically in the classroom. Four key areas of learning are recommended for all stakeholders to promote the responsible and effective use of AI in education:

Understand

Building a Strong AI Foundation

To use AI responsibly and effectively in education, all stakeholders need a solid understanding of how AI systems work. This includes learning about language models, AI-powered tools, and their limitations—such as potential biases, inaccuracies, and key data privacy concerns.

A deeper understanding comes from real-world, context-specific applications tailored to different grade levels, subjects, or roles within the education environment. Practical strategies, like crafting effective AI prompts using key elements—task, format, voice, and context (Bowen & Watson, 2024)—help make AI tools more relevant and usable in everyday learning.

The future of education, enhanced by AI but centered on human potential, is bright with possibility. Our collective responsibility is to shape this future thoughtfully, ethically, and with an unwavering focus on the well being and success of all learners (ERDI, 2024).

Equally important is using AI ethically and responsibly. This means protecting Personally Identifiable Information (PII), managing data carefully, and ensuring integrity across all educational settings. By building AI literacy and promoting responsible use, educators, administrators, and students can confidently navigate AI-driven learning while fostering a culture of informed, ethical digital citizenship.

Apply

Putting AI into Action

Educators, administrators, and other educational partners can use AI to create more personalized, inclusive, and student-centered learning experiences. The key is to identify AI-powered tools that align with educational goals and support the diverse needs of all learners.

Hands-on experiences such as simulations, case studies, and collaborative workshops offer valuable opportunities to explore AI's potential in real-world contexts. These interactive approaches encourage experimentation, innovation, and confidence in using AI effectively.

AI can be thoughtfully applied in many ways, from differentiating instruction and supporting adaptive learning technologies to streamlining operations and using data-driven insights to improve student outcomes. When integrated with purpose and care, AI has the potential to meaningfully enhance both teaching and learning.

Integrate

Embedding AI into Teaching and Learning

As AI becomes more embedded in education, it is essential to explore both its opportunities and challenges in the classroom. Educators need clear policies and guidelines to help students use AI responsibly. This includes defining which AI tools are available, when and how they should be used—whether for assignments, assessments, or research—and setting clear expectations for ethical and appropriate use.

To support seamless AI integration, training on practical applications in instruction, curriculum planning, and assessment is beneficial. By providing educators with ready-to-use resources (i.e. sample lesson plans, assessment rubrics, and instructional templates) schools can empower teachers to incorporate AI confidently and effectively. When thoughtfully integrated, AI enhances learning rather than replacing traditional methods, allowing educators to maximize its benefits while maintaining academic integrity and fostering critical thinking.

Grow

Fostering Continuous Learning and Collaboration

For AI to have a lasting impact in education, schools and districts must cultivate a culture of continuous learning and collaboration. This means providing ongoing professional development through webinars, peer learning networks, conferences, and hands-on workshops so educators stay informed about AI's evolving role in teaching and learning.

Sustaining growth also requires a commitment to responsible AI use that aligns with core educational values. When used thoughtfully, AI can enhance teaching, personalize learning, and improve accessibility. By working together, educators, administrators, and support staff can ensure that AI is integrated thoughtfully and ethically. When used with purpose and care, AI

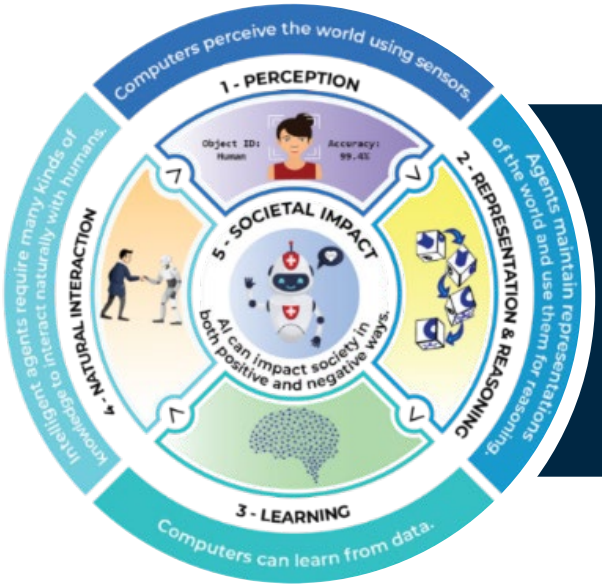
becomes a powerful tool for fostering innovative, student-centered learning experiences that benefit all learners.

To thrive in an AI-infused world, students must develop strong AI literacy, which includes understanding what AI is and how it functions, recognizing when and why to use it ethically, and learning how to interact with AI tools to maximize their benefits. AI literacy also involves the ability to evaluate and refine AI-generated content—mitigating bias, verifying accuracy, and ensuring appropriate use with an awareness of data privacy (Watson et al., 2024).

Educators, in turn, need practical tools to evaluate AI-driven resources and guide students in using technology responsibly. AI should help close equity gaps, not widen them ensuring every student has access to skills that are future-ready.

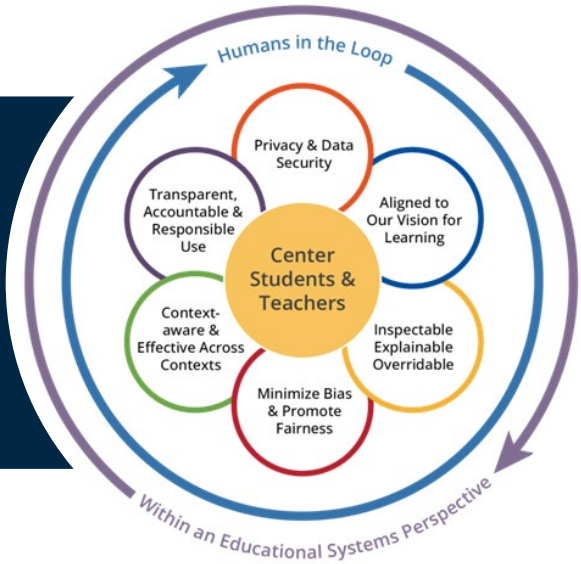
To support this work, organizations like TeachAI have developed the Guiding Principles for AI Use in Education, while UNESCO offers both an AI Competency Framework for Students and an AI Competency Framework for Teachers. These resources help schools build clear guidance and promote AI literacy. Broadly defined, AI literacy encompasses the knowledge, skills, and attitudes related to how AI works—its principles, concepts, and applications—as well as how to use it responsibly, including awareness of its limitations, implications, and ethical concerns.

Examples in practice include:

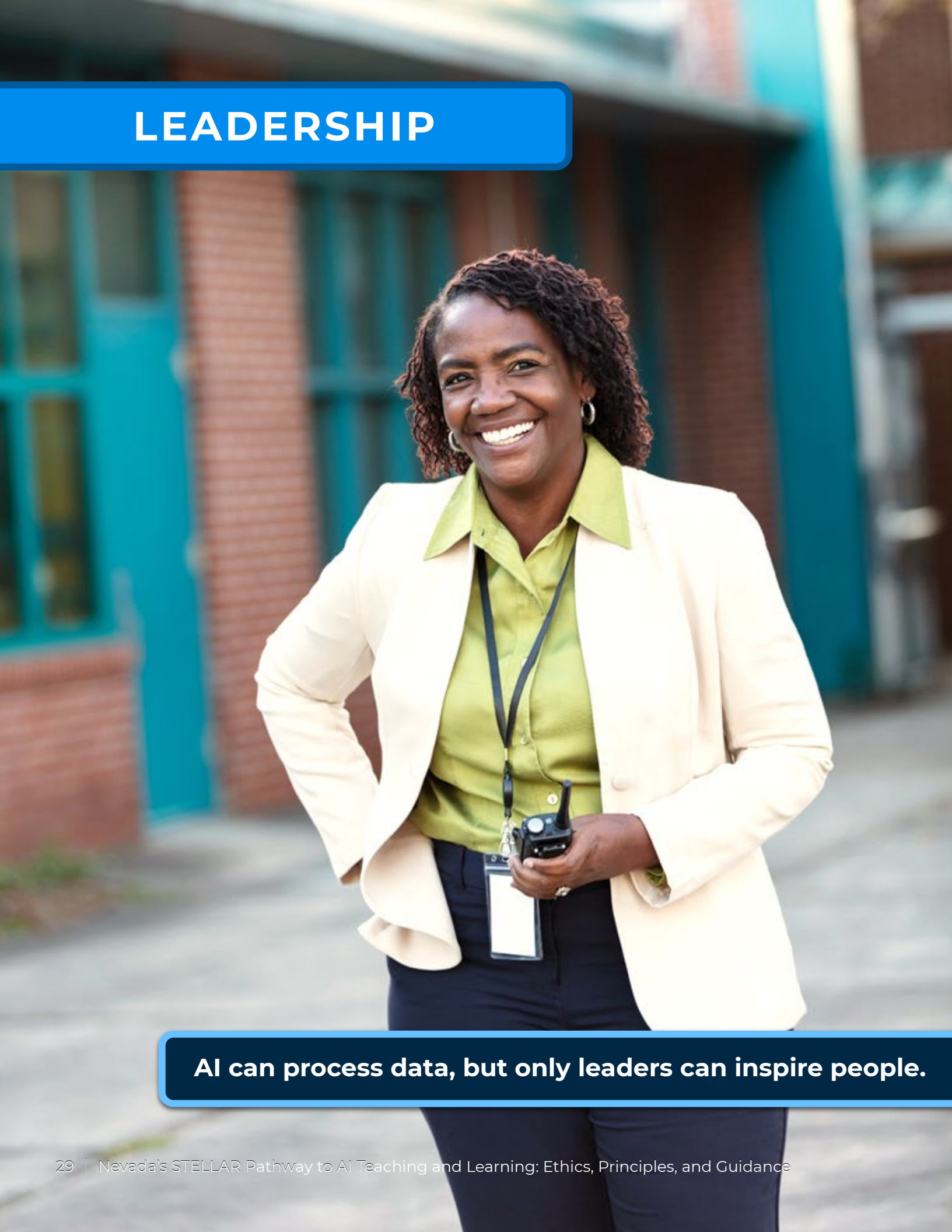


The AI4K12 'Five Big Ideas in AI' promotes AI literacy, helping students understand how AI perceives, learns, reasons, interacts, and impacts society.

U.S. Department of Education, Office of Educational Technology (2023) outlined seven recommendations for desired qualities of AI tools and systems in education.



LEADERSHIP



AI can process data, but only leaders can inspire people.

As AI continues to shape the future of education, strong leadership is more crucial than ever. School leaders play a pivotal role in ensuring AI is integrated in ways that truly enhance student learning. AI is a tool that supports education—not a replacement for the critical human connections between teachers and students. This vision reinforces a future where technology enhances, rather than diminishes, the art of teaching.

Effective leadership means asking the right questions: Is this AI tool genuinely improving student learning? Are its benefits clear? Is only the necessary data being collected? Thoughtful school leaders keep these conversations open with teachers, students, parents, and the entire school community.

Equipping educators with the knowledge and skills they need creates opportunities for intentional, strategic decision making in AI integration. Professional development focused on AI literacy, bias awareness, ethical use, and practical applications allows teachers to use AI tools with confidence. When educators understand both the potential and the limitations of AI, they can leverage it to maximize student learning and support growth.

Clear policies and expectations for AI use contribute to a safe, effective, and aligned approach to educational goals. Transparent guidelines on data privacy, ethical considerations, and responsible AI decision making help safeguard students' rights and well-being. Regular audits of data privacy and security strengthen trust and accountability, while collaboration with AI developers encourages the continuous refinement of tools to remain ethical, unbiased, and beneficial for students.

Engaging all stakeholders—teachers, students, parents, and the broader school community—creates a shared understanding of

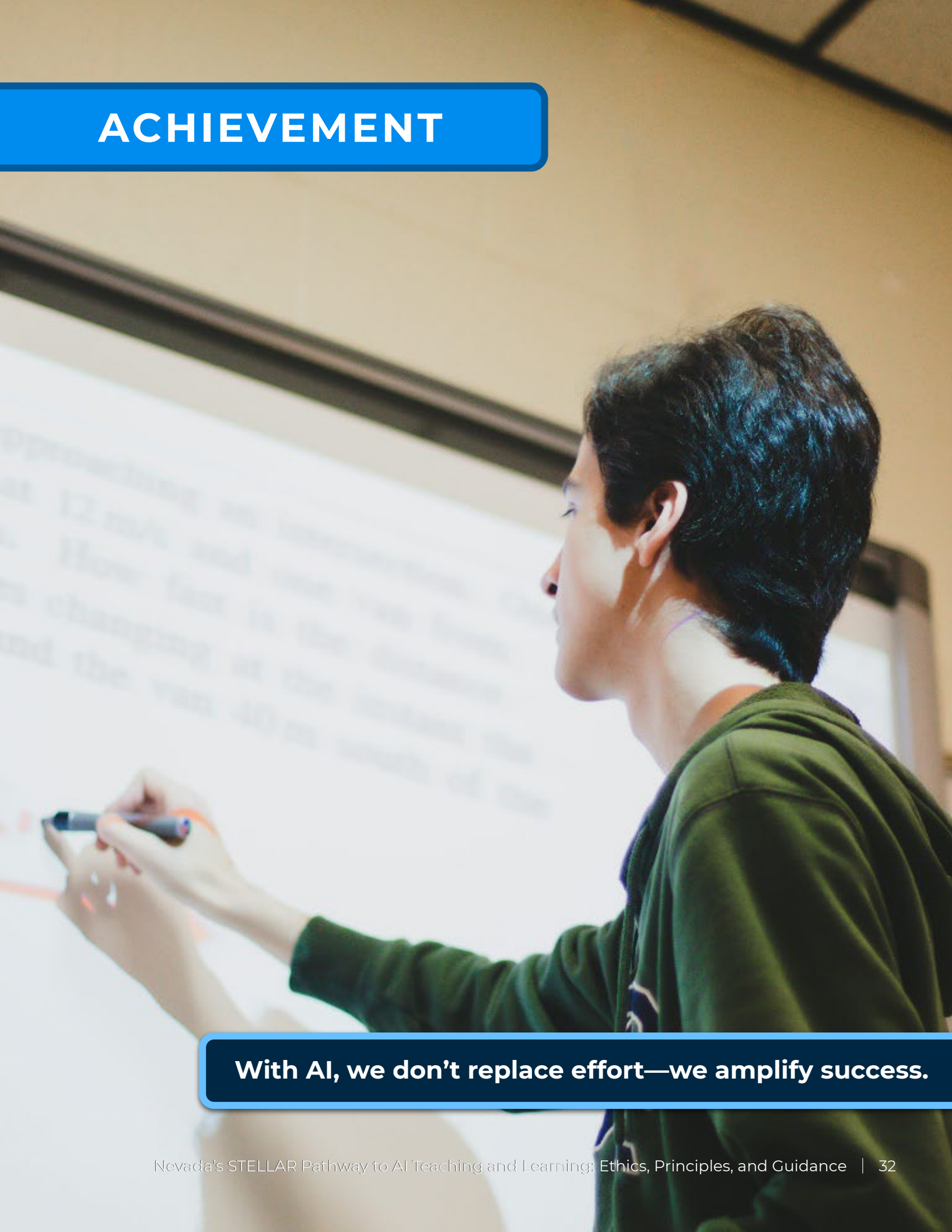
AI's role in education. Parents and guardians benefit from clear communication about how AI tools impact learning, what data is being collected, and how student privacy is protected. Opportunities for discussions, resources, and workshops can support families in navigating AI's presence in education. Encouraging student involvement fosters AI literacy, critical thinking, and responsible technology use, empowering young learners to approach AI with awareness and confidence.

Strong partnerships with AI experts, researchers, industry leaders, and trusted organizations help shape AI tools with students' best interests in mind.

Collaboration provides valuable insights into best practices, access to innovative resources, and support in navigating the rapidly evolving AI landscape. Engaging with policymakers and educational organizations also strengthens advocacy for ethical and practical AI use in education.

By proactively shaping the role of AI in education, schools create a future-ready learning environment—one that prepares students for success in an AI-driven world while prioritizing their safety, well-being, and personal development. With strong leadership, collaboration, and a commitment to ethical innovation, AI can transform education into a more personalized and engaging experience for all learners. The goal is to integrate AI into education and to ensure it enhances human-centered learning, fosters critical thinking, and provides all students with the tools they need to thrive in the future.

ACHIEVEMENT



With AI, we don’t replace effort—we amplify success.

Artificial Intelligence has the potential to reshape education in exciting ways by handling repetitive tasks such as automated grading, creating personalized learning materials, and managing administrative duties. At the district level, AI can streamline operations, optimize resource allocation, and provide valuable insights to support informed decision making. When used thoughtfully, AI becomes a powerful partner in education enhancing traditional methods while sparking innovation in the classroom and beyond!

Districts: AI is redefining how school districts plan, communicate, and create equitable learning environments. With AI-powered tools, districts can predict shifts in student enrollment, adapt to changing academic priorities, and monitor the impact of programs through real-time data dashboards. AI also improves communication by making it easier to connect with parents, teachers, and the community, while tools that analyze public feedback help district leaders understand concerns and make more informed decisions.

On the security front, AI supports data protection, ensures compliance with regulations, and strengthens defenses against cybersecurity threats. Most importantly, AI identifies gaps in academic performance and resource distribution—empowering districts to make data-driven decisions that create fairer, more inclusive opportunities for all students.

Goals to Increase AI Literacy in Nevada:

1. **Set expectations and build awareness with teachers and students around generative AI.**
2. **Focus on critical thinking and reasoning, emphasizing the process, not the result.**
3. **Use generative AI to enhance educational practices.**
4. **Support diverse learning needs by leveraging AI responsibly.**
5. **Technology should serve learning, not define it. AI is a support for learning, not the foundation.**

Administrators: AI helps school administrators streamline operations, making schools run more efficiently. From optimizing schedules and resource allocation to managing enrollment, AI-powered tools simplify complex tasks. Predictive analytics can anticipate staffing needs, improve budget planning, and enhance decision making. AI-driven insights also enhance teacher effectiveness by monitoring classroom dynamics, identifying targeted professional development opportunities, and addressing workload challenges—all of which contribute to improved teacher performance and morale. AI empowers administrators to create a more supportive and efficient learning environment for both educators and students.

Teachers: AI is transforming the classroom by helping teachers personalize learning, streamline assessments, and ensure lessons align with state standards. By automating tasks like grading, attendance tracking, and curriculum planning, AI frees up valuable time for teachers to focus on what matters most—engaging with students. According to research from McKinsey & Company estimates that AI could automate 20% to 40% of a teacher's workload, significantly reducing time spent on routine tasks. Beyond saving time, AI-powered insights can help educators identify their strengths, refine their teaching strategies, and receive personalized recommendations for professional growth.

Parents: AI helps parents stay connected and engaged in their child's education. With real-time updates on grades, attendance, and assignments, parents can easily track progress and spot areas where extra support might be needed. AI-powered tools also offer helpful resources for assistance with homework and building strong study habits. In addition, language translation features make communication with teachers smoother and more accessible. Beyond academics, AI provides valuable insights into career exploration, skill development, and extracurricular activities that align with a child's interests. With these tools, parents are better equipped to support their child's learning journey and long-term success.

"... the most impressive and amazing part about AI is that we can take something that made zero sense and make it make sense no matter what type of learning style the teacher is teaching with. "

Nevada High School Student

Students: AI empowers students by providing personalized learning experiences that support their individual growth. Through adaptive platforms and real-time feedback, students can learn at their own pace, receiving targeted support tailored to their unique needs. This approach helps nurture essential lifelong skills such as curiosity, independence, and the ability to leverage technology for research and problem-solving. AI also addresses common learning challenges. For example, it can act as a thought partner—sparking ideas, helping students brainstorm, or overcoming writer's block. Assistive tools like text-to-speech and real-time translation further promote inclusivity, ensuring that all students—regardless of ability or background—have equitable access to learning opportunities.

RESPONSIBLE USE

Technology leads, but responsibility guides.

AI has the potential to revolutionize education by making learning more personalized, engaging, and effective. AI can powerfully enhance both behind-the-scenes operations and the student learning experience. AI should be designed to be meaningful, relevant, and transformative—enabling students to take ownership of their learning and harness the latest technology to enhance their education (NCEE, 2024).

AI for Streamlining Operations

AI tools can streamline administrative tasks, freeing educators to focus on teaching. From automating workflows to generating high-quality teaching materials, AI can be a valuable assistant. However, to ensure fairness and accuracy, it's essential to verify AI-generated content and be mindful of potential biases. By understanding how these tools work, educators can create more tailored lessons and help students use AI responsibly.

AI in the Classroom: A Tool for Learning

When integrated with care, AI can bring learning to life in exciting new ways. Whether it's supporting creativity, enhancing problem-solving, or providing personalized feedback, AI can enrich the student experience. However, setting clear boundaries and guidelines is key to ensuring its responsible use. As Lang-Raad (2025) puts it, "embrace AI as a partner in the education process—one that brings new dimensions to teaching and learning and opens doors to experiences that prepare students for an increasingly complex and technology-integrated world" (p. 6). Teaching students about

Specific ways AI can enhance operational processes include:

- **Developing rubrics and providing clear examples for assignments.**
- **Scaffolding tasks to support student understanding and progress.**
- **Offering suggestions to refine and improve lesson plans.**
- **Analyzing data to optimize strategies for supporting student learning.**

responsible AI use helps them make the most of these tools while staying ethical and informed.

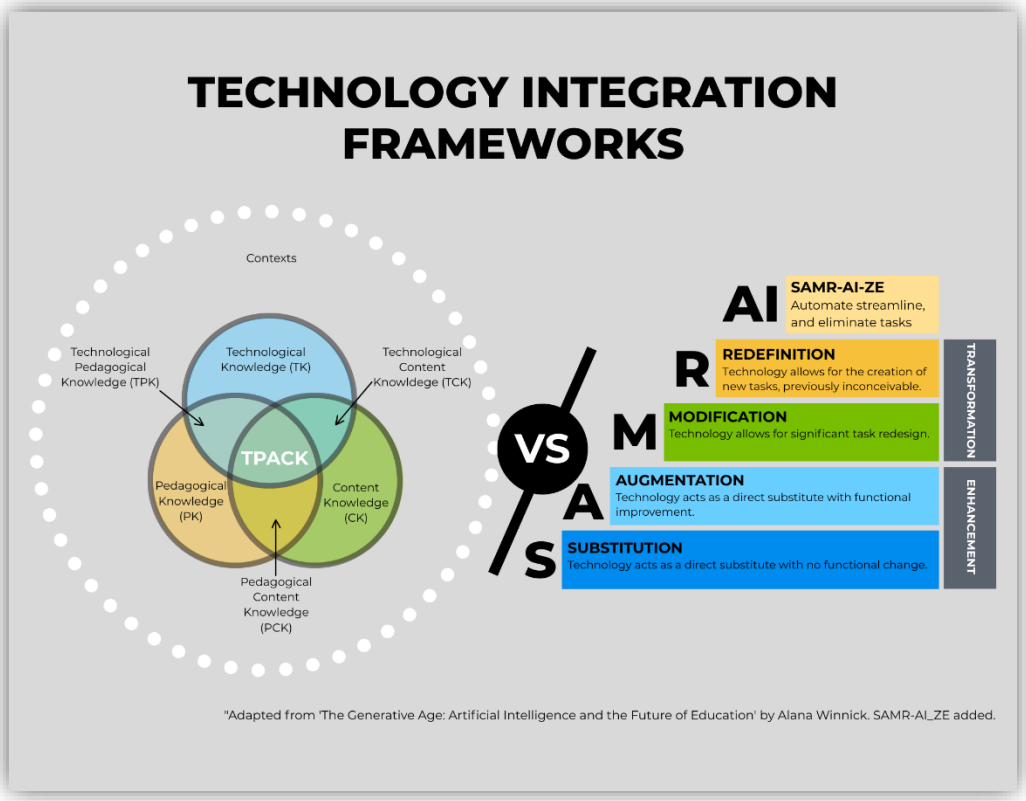
Encouraging Critical Thinking and Academic Integrity

AI is a powerful tool, but it is crucial to ensure students do not become overly dependent on it. Teaching them how to think critically, generate original ideas, and evaluate AI-generated information helps build their confidence as independent learners.

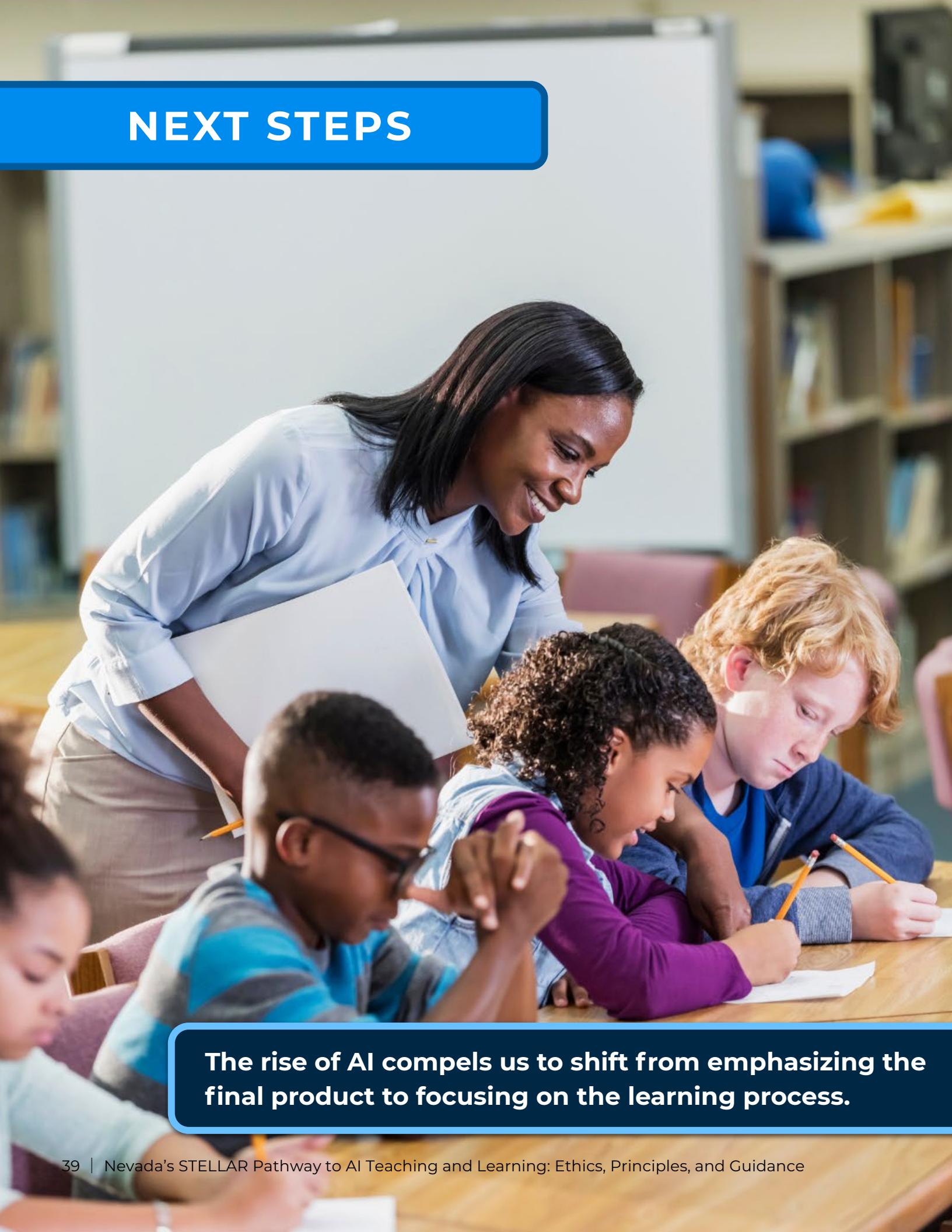
Academic integrity plays a significant role where students need to clearly understand what counts as plagiarism and what is considered responsible AI use.

To support this, schools and classrooms must establish clear integrity policies and honor codes that define how AI can and should be used. Parents and educators also play a key role in modeling responsible AI evaluation, showing students how to identify bias and refine their prompts for better results.

By approaching AI as a helpful learning tool and emphasizing ethics, critical thinking, and responsibility, we can prepare students to navigate the evolving world of technology with confidence and integrity.



NEXT STEPS



The rise of AI compels us to shift from emphasizing the final product to focusing on the learning process.

AI holds transformative potential to make learning more engaging and meaningful for all. Nevada is at the forefront of leveraging AI to inspire students, support educators, and create more dynamic classrooms than ever. With AI-powered tools, instruction becomes more personalized, meeting each learner's needs in real time. Educators gain valuable time to foster creativity and connection while routine tasks are efficiently managed by technology. This shift expands opportunity and ensures that every student receives the support needed to thrive.

With great innovation comes great responsibility. Integrating AI into education requires a strong foundation in transparency, security, and ethical use. A thoughtful, well-planned approach ensures AI serves as a catalyst for growth, enhancing the learning experience while promoting fairness, trust, and continuous improvement.

Educators, mentors, and leaders remain at the heart of this transformation. AI is a tool that strengthens—not replaces—the human connection in learning. When implemented with care and purpose, it deepens collaboration between schools, families, and communities, engaging everyone in building a more informed and empowered learning environment.

A commitment to responsible AI use ensures that every learner is supported, every educator is equipped with the tools and resources for effective instruction, and every classroom is ready to succeed.

With AI revolutionizing the educational landscape, Nevada stands ready to lead with ethical use, responsibility, innovation, and impact!

GUIDANCE AND RESOURCES

Implementing AI tools in education should be approached thoughtfully, prioritizing ethical considerations and enhancing, rather than replacing, human interaction. The following recommendations are designed for specific guidance for all stakeholders in navigating the complexities of AI adoption while fostering innovation and supporting student success.

AI BEST PRACTICES FOR SCHOOL DISTRICTS

Stakeholder Engagement & Education

Provide Nevada stakeholders, including educators, administrators, policymakers, families, and communities, with resources to learn about the possibilities, benefits, and challenges of AI.

Student Involvement

Establish work groups to gather continuous feedback on AI policies and practices, ensuring active participation from students.

Ethical & Responsible Use

Develop an audit process to monitor ethical AI use in instruction, refine acceptable use policies, establish discipline guidelines, and review data privacy and vendor agreements for transparency.

Instruction & Equity

Create an instructional approach using AI tools to bridge digital divides and close opportunity gaps.

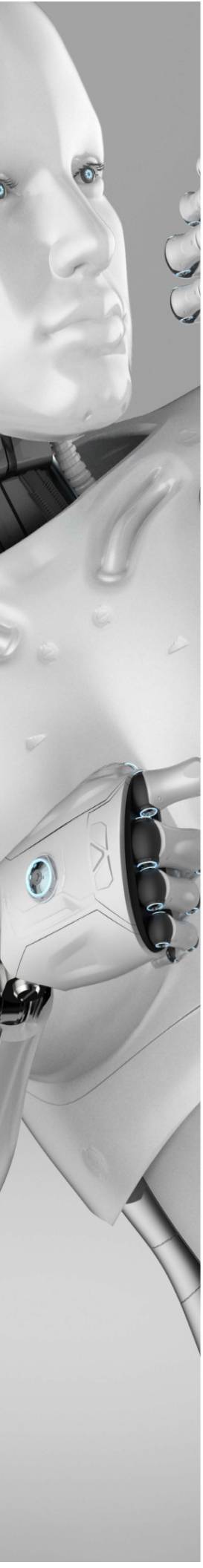
Evaluation & Planning

Create a plan to assess learning goals, review AI integration policies, explore AI in administrative tasks, analyze budget needs, identify professional development, and examine AI's impact on skills like critical thinking and creativity.

Professional Development

Create investment opportunities to support professional learning.

DEPARTMENT OF EDUCATION
NEVADA



AI BEST PRACTICES FOR ADMINISTRATORS

Have a Clear Vision for AI Use

Establish goals and priorities for AI in alignment with the school's educational mission.

Prioritize Equity and Accessibility

Ensure AI tools are accessible to all students, including those with disabilities and English learners, while monitoring for biases that may create disadvantages.

Ensure Data Privacy and Security

Adopt strict data guidelines aligned with FERPA and privacy laws, and regularly audit AI systems for security compliance.

Provide Professional Development for Staff

Train educators and staff to use AI effectively, understand its limitations, and follow ethical and data privacy best practices.

Integrate AI Thoughtfully into the Classroom

Use AI to personalize learning and differentiate instruction while ensuring teachers remain the primary decision-makers.

Foster Transparency and Collaboration

Communicate openly about AI use and objectives while involving stakeholders in implementation decisions.

Monitor and Address Potential Risks

Establish protocols to detect and address AI bias or misinformation while monitoring student interactions to prevent misuse or overdependence.

DEPARTMENT OF EDUCATION
NEVADA

AI BEST PRACTICES FOR TEACHERS

Determine AI Tool Usage

Define AI's role in learning, introduce its benefits, set clear usage guidelines, and use a rubric to ensure responsible and ethical integration in assignments.

Model Evaluating AI Results with Students

Teach students to recognize and adjust for bias in results, while evaluating accuracy by comparing findings to other research.

Promote Equity

Adapt lesson plans with AI to support diverse learners, monitor for biases to enhance instruction, ensure equitable access, and assess free vs. paid AI tools for effectiveness.

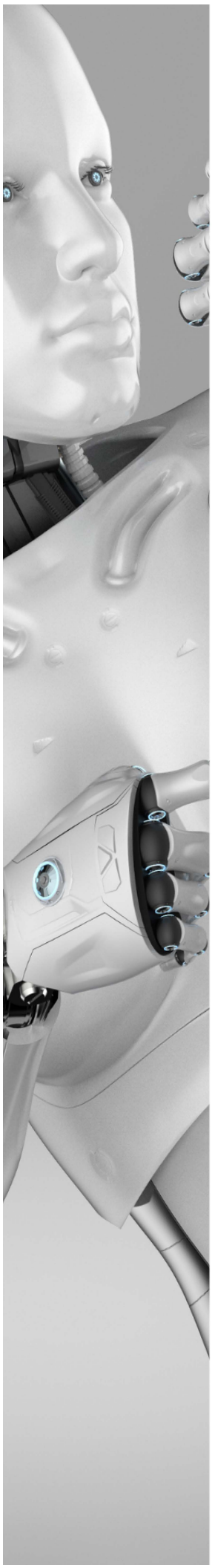
Plan for Addressing Plagiarism

Revise assignments with clear skill guidelines, familiarize with AI tools, track AI usage, collect regular writing samples to identify student styles, and enforce academic integrity policies.

Encourage Ethical AI Use in the Classroom

Encourage students to share their writing processes, engage in problem-solving and analysis, and incorporate peer reviews. Focus on teaching digital literacy to navigate AI tools ethically.

DEPARTMENT OF EDUCATION
NEVADA



AI BEST PRACTICES FOR PARENTS

Educational Support

Encourage critical thinking by teaching children to verify AI-generated information while using AI tools that personalize learning to their pace and style.

Ethical and Safe Use

Prioritize privacy-compliant tools and avoid sharing sensitive data while teaching children to recognize AI biases and verify information from multiple sources.

Responsible Usage

Use AI tools to set screen time limits and promote offline activities while teaching transparency by having children disclose AI use in projects.

Engagement and Collaboration

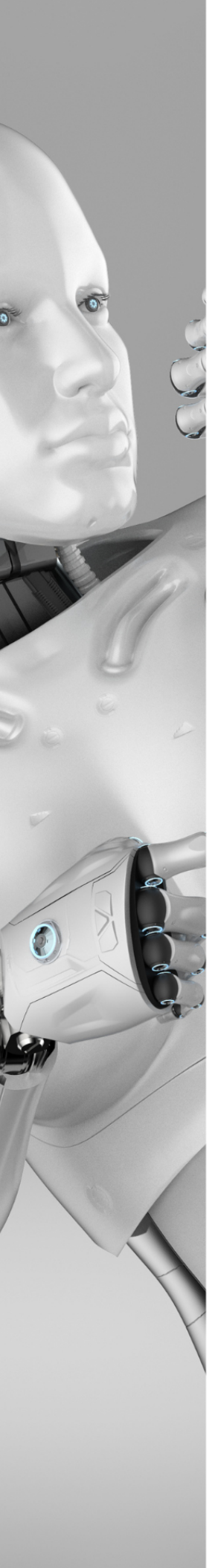
Use AI for family activities like storytelling and creative projects while leveraging platforms to stay connected with teachers and track progress.

Future Readiness

Introduce age-appropriate AI literacy to help children understand its applications while using AI tools to spark interest and build essential skills.

Emotional Well-Being

Monitor children's AI use to preserve personal connections while exploring AI chatbots for support and maintaining open family communication.



AI BEST PRACTICES FOR STUDENTS

Be Honest in Your Work

AI tools can support learning, but you must do your own work. Use AI as an assistant, not a substitute, and avoid cheating or copying. If AI helps generate ideas or content, inform your teacher.

Keep Your Information Safe

Don't share personal details like your name, address, or passwords with AI tools or websites.

Check for Mistakes and Bias

AI can be wrong or biased, so always double-check its accuracy. If something seems off, question it and discuss it with your teacher.

Follow School Rules

Every school has its own rules about using AI. Make sure you understand and follow those rules.

Ask for Help

If you're unsure how to use AI or run into problems, ask your teacher or another trusted adult for help.

AI WEBSITES AND SUPPORTS

AI-Related Government Websites

The National Center on Education and the Economy. (2024). *Framework for AI-powered learning environments*. Washington, DC: National Center on Education and the Economy. https://ncee.org/whitepaper/framework-for-ai-powered-learning-environments/

United Nations Educational, Scientific and Cultural Organization. (2023). *AI competency framework for teachers*. UNESCO. https://unesdoc.unesco.org/ark:/48223/pf0000391104

U.S. Department of Education, Office of Educational Technology. (2023, May). *Artificial intelligence and the future of teaching and learning: Insights and recommendations*. https://www2.ed.gov/documents/ai-report/ai-report.pdf

U.S Department of Education, Office of Educational Technology. (2024, October). *Empowering Education Leaders: A Toolkit for Safe, Ethical, and Equitable AI Integration*. https://digitalpromise.dspacedirect.org/server/api/core/bitstreams/8ea121d8-cbcf-49f7-bade-aa4542e91e26/content

Nevada-Specific Resources

Nevada Department of Education. (2021). *Nevada Digital and Blended Learning Guide* https://webapp-strapi-paas-prod-nde-001.azurewebsites.net/uploads/Nevada_Digital_Learning_Guide_Design_fdede430a2.pdf

Nevada Department of Education. (2025). Personalized Competency Based Learning (PCBL). https://doe.nv.gov/offices/office-of-teaching-and-learning/personalized-competency-based-learning-in-nevada

Nevada Department of Education. (2023*). Portrait of a Nevada Learner* https://www.nvfutureoflearning.org/process

Nevada Governor's Office of Science, Innovation and Technology (2024). *Nevada Statewide Digital Equity Plan* https://osit.nv.gov/uploadedFiles/ositnvgov/Content/Broadband/Nevada%20Statewide%20Digital%20Equity%20Plan_FINAL.pdf

University of Nevada, Reno Library. (2024). *Library guides: AI for Research: Citing AI* https://guides.library.unr.edu/generative-ai/cite

Other State Guidance

AI For Education. (2025). *State AI Guidance* https://www.aiforeducation.io/ai-resources/state-ai-guidance

ILO Group. (2024). *Framework for Implementing Artificial Intelligence in State Education Agencies* https://www.ilogroup.com/wp-content/uploads/2024/06/Framework-for-Implementing-Artificial-Intelligence-AI-in-State-Education-Agencies-SEAs_v1.0.pdf

Professional Learning Resources

Bowen, J. A., & Watson, C. E. (2024). *Teaching with AI: A practical guide to a new era of human learning*. Johns Hopkins University Press.

Code.org. (2024). Leading provider of K-12 computer science curricula in the largest districts in the United States. https://code.org/

Bryant, J., Heitz,C.,Sanghvi, S.,& Wagle, D. (2020). *How artificial intelligence will impact K-12 teachers.* McKinsey & Company. https://www.mckinsey.com/industries/education/our-insights/how-artificial-intelligence-will-impact-k-12-teachers

Common Sense. (2024, August). *Generative AI in K-12 education: Challenges and opportunities* (Updated). https://www.commonsensemedia.org/research/generative-ai-in-k-12-education-challenges-and-opportunities

CoSN. (2024, November). *CoSN & the Council of the Great City Schools present: K-12 Gen AI Maturity Tool.* https://www.cosn.org/ai/

Digital Promise. (2024). *Artificial Intelligence in Education.* *https://digitalpromise.org/initiative/artificial-intelligence-in-education/*

ISTE Artificial Intelligence in Education (2024). AI tools can support Transformational Learning Experiences while addressing the ethical considerations of using this powerful new technology for learning. https://iste.org/ai

ISTE Standards (2024). The ISTE Standards are a framework that guides educators, leaders, and coaches in using technology to create high-impact, sustainable, scalable, and equitable learning experiences https://iste.org/standards

Lang-Raad, N. D. (2024). *The AI assist: Strategies for integrating AI into the very human act of teaching*. ASCD.

Miao, F., & Shiohira, K. (2024). *AI competency framework for students*. UNESCO. https://unesdoc.unesco.org/ark:/48223/pf0000391105

Pérez, F. P. (2024). *AI & accessibility in education*. Consortium for School Networking (CoSN). https://www.cosn.org/tools-and-resources/resource/blaschke-report-ai-accessibility-in-education/

Teach AI. (2024). Empowering educators to teach with and about AI. https://www.teachai.org

United States Artificial Intelligence Institute. (n.d.). https://www.usaii.org/

Watson, J. M., Bowen, J. A., & Watson, C. E. (2024). *Learning with AI: The K-12 teacher's guide to a new era of human learning*. Johns Hopkins University Press.

Winnick, A. (2023). *The Generative Age: Artificial Intelligence and the Future of Education*. Connect EDD Publishing.

Leadership Resources

ERDI & National Council of Innovative Instructional Leaders. (2024). *Trailblazing leadership: Shaping education for Generation Alpha in an era of AI*. https://drive.google.com/file/d/1xUbJFjIqGHgzopGIIXCIiY162NwdoJ61/view

TeachAI (in collaboration with PACE). (2024, April). Foundational policy ideas for AI in education [Policy briefs, Infographics]. https://edpolicyinca.org/publications/foundational-policy-ideas-ai-education

AI Guidance for Schools Toolkit. (2024). https://www.teachai.org/toolkit

Parent Resources

AI for Education. (2024). *AI 101 for Parents* https://www.aiforeducation.io/ai-resources/ai-in-education-101-for-parents

Edweek. (2024). *What is age-appropriate use of AI?* https://www.edweek.org/technology/what-is-age-appropriate-use-of-ai-4-developmental-stages-to-know-about/2024/02

Madden, M., Calvin, A., Hasse, A., & Lenhart, A. (2024). *The dawn of the AI era: Teens, parents, and the adoption of generative AI at home and school.* San Francisco, CA: Common Sense. https://www.commonsensemedia.org/sites/default/files/research/report/2024-the-dawn-of-the-ai-era_final-release-for-web.pdf

ACKNOWLEDGEMENTS

This work was made possible through the generous support and donation of Gian F. Brosco, Esq., and the Nevada Community Foundation. We extend our heartfelt gratitude to the members of our AI Executive Steering Committee, our Student Voice Group, and the school districts that graciously hosted Town Halls and Focus Groups. A special thank you to the Leadership Institute of Nevada for their invaluable collaboration and partnership. Together, these contributions will help empower Nevada's students to thrive in the ever-evolving landscape of the 21st century. Let this collective effort inspire us to continue building a future where innovation and education work hand in hand.

Nevada Department of Education

Jhone Ebert, Superintendent of Public Instruction

Brittany Adams, Contractor, Office of Student & School Supports

Jennese Black, Education Programs Professional, Office of Teaching & Learning

Emily Bleyle, Education Programs Professional, Office of Teaching & Learning

Cindi Chang, Former Director, Office of Teaching & Learning

Jess DeLallo, Assistant Director, Office of Student & School Supports

Ann Marie Dickson, Deputy Superintendent, Student Achievement Division

Christi Hines-Coates, Director, Office of Student & School Supports

Blakely Hume, Education Programs Professional, Office of Student & School Supports

Shawna Jessen, Director, Office of Teaching & Learning

Arian Katsimbras, Education Programs Professional, Office of Student & School Supports

Jennifer Kazarian, Education Programs Professional, Office of Career Readiness, Adult Learning, and Education Options

Jayne Malorni, Former Education Programs Professional, Office of Teaching & Learning

David Monachino, IT Professional, Office of Assessment, Data, and Accountability Management

Cynthia Strong, Management Analyst, Office of Student & School Supports

Lori Wilson, Contractor, Office of Teaching & Learning

Executive Steering Committee

Shaikh M. Arifuzzman, University of Nevada, Las Vegas

Dr. Mary Ann Hughes Butts, College of Southern Nevada

Rishab Chatty, Crane Center for Mass Atrocity Prevention

Charles Edwards, Syncerra

Charles Elliott, Google

Timothy D. Galluzi, Office of Governor Joe Lombardo

Kendall Hartley, University of Nevada, Las Vegas

Yasamin Houshmand, Google

Dr. David Jensen, Superintendent, Humboldt County School District

Anthony Kim, Education Elements

Lawrence Kincheloe, Open Source

Dave Riske, Western Nevada College

Baron Rodriguez, AI Client Facing Technology & Compliance

Pat Yongpradit, Code.org

Student Voice

Christian Akanwa, Student, Clark County School District

Taylor Moore, Student, Washoe County School District

Alex Stroupe, Student, Washoe County School District

Partners

Carson City School District

Clark County School District

Humboldt County School District

Leadership Institute of Nevada

Nevada Community Foundation

Washoe County School District


DEPARTMENT OF EDUCATION
NEVADA