



# Educator Use of Artificial Intelligence (AI) & Generative Artificial Intelligence (GAI)

## 4.124.1p

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### Standard Operating Procedure Outline

<i>Category:</i>	<b>Instructional Services</b>	<i>Department:</i>	Digital Strategy & Implementation		
<i>Procedure:</i>	<b>Student Device Procedures</b>				
<i>Policy Reference #:</i>	4.124	<i>Version:</i>	1.0	<i>Date Revised:</i>	July 16, 2024

### Operational Objective(s)

The integration of Artificial Intelligence (AI) in MNPS is a strategic approach to enhance instructional methods and improve student learning. AI refers to computer systems that can perform tasks typically requiring human intelligence, such as recognizing speech, making decisions, and understanding language. Generative AI (GAI), a type of AI, can create new content like text, images, and music based on existing data.

MNPS carefully adopts AI tools and resources to provide personalized learning experiences, streamline administrative tasks, and support data-driven decision-making, ensuring adherence to state and federal guidelines.

MNPS encourages the use of AI technologies to foster innovative teaching practices. To support this, MNPS will provide ongoing professional development and training to equip teachers with the necessary knowledge and skills.

### Guiding Principles

Metro Nashville Public Schools aims to enhance learning through smart, adaptive technologies including Artificial Intelligence (AI). Guiding principles ensure that AI integration supports the district's mission to improve learning while safeguarding the rights of its community. When implementing AI within MNPS, the

team adheres to the following:

1. **Teaching & Learning:** AI should enhance educational outcomes, supporting both teaching and student learning through personalized and adaptive educational experiences.
2. **Human Centric:** AI deployments should prioritize human welfare and values, ensuring that technology complements rather than replaces human efforts in educational settings.
3. **Privacy, Data Protection, and Security:** Protecting personal and sensitive information is crucial, complying with laws such as COPPA and FERPA to ensure student and staff data privacy and security. Staff should be aware of the use of or sharing personally identifiable information of students and other employees when utilizing AI tools, which may violate FERPA.
4. **Ethical & Responsible Use:** AI should be used in a manner that is morally sound and responsible, avoiding harm and maximizing benefits while aligning with societal norms and expectations.
5. **Equity and Inclusivity:** AI tools should promote equal opportunity for all students, ensuring accessibility across diverse abilities and backgrounds while actively working to reduce existing inequalities.
6. **Transparency & Explainability:** It is important that AI systems are understandable to users, with clear explanations of how decisions are made and on what grounds, fostering trust and accountability.

## Opportunities

Integrating generative AI into education empowers teachers with tools to enhance their instructional methods, streamline administrative tasks, and innovate in the classroom. Here are some key opportunities for teachers:

**Staff Efficiency:** AI streamlines routine tasks such as generating practice problems and feedback rubrics, allowing teachers to focus more on personalized interactions and customized teaching strategies.

**Personalized Instruction:** AI tailors' educational content to fit the unique needs and learning styles of each student, enabling teachers to better engage with their students and address individual learning gaps.

**Deeper Research:** Teachers can leverage generative AI to access and analyze large datasets, enhancing their research capabilities and subject knowledge, which can be integrated into their teaching practices.

**Enhanced Creativity:** AI provides creative prompts and inspiration, sparking new ideas and encouraging innovative teaching methods that foster creative thinking among students.

**Inclusive Teaching:** Generative AI supports diverse learning needs by offering various educational materials and approaches, helping teachers make learning more accessible for all students.

**Unit & Lesson Planning:** AI tools facilitate project-based and interdisciplinary learning, aiding teachers in fostering teamwork and critical thinking skills in their students.

## Considerations

For MNPS, the numerous benefits of integrating AI in education come with the need to carefully consider various factors to ensure its responsible implementation. These considerations encompass ethical, social, technical, and aspects.

**Equity of access:** To counteract disparities in access to technology, schools need to provide equal access to AI tools, ensuring that students with disabilities also receive fair educational opportunities.

**Data privacy:** The use of data in AI can raise issues of bias and privacy concerns. Schools should be clear

about their data practices, seek informed consent, and enforce strong data security measures. Compliance with COPPA, CIPA, and FERPA is essential:

- **FERPA:** The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. AI systems must safeguard the privacy of student educational records and adhere to consent requirements set by parents.
- **COPPA:** The Children's Online Privacy Protection Act (COPPA) is a federal law that regulates how websites, apps, and other online services collect data and personal information from children under 13 years old. AI technologies that collect data on children under 13 must comply with COPPA standards.
- **CIPA:** The Children's Internet Protection Act (CIPA) requires K-12 schools and libraries that receive E-rate discounts to have internet safety policies that protect minors from harmful or obscene content online. AI content filters should align with CIPA guidelines to block harmful content.

**Ethical implications:** Schools must continuously evaluate the ethical aspects of using generative AI tools, considering issues like bias, fairness, and inclusivity. Educators should be vigilant about potential biases in AI and select tools that uphold fairness and inclusivity. It's also important to incorporate discussions on AI ethics within the curriculum to promote critical thinking and responsible AI usage.

**Acceptable Use & Technology:** Educators need to be clear with students about the use and functionality of AI tools in learning. This transparency extends to guidelines on when and how students may use AI. Monitoring by teachers is necessary to ensure students use AI tools appropriately and don't over-rely on them, bypassing critical thinking and personal learning. See Academic Integrity Statement

### AI Applications within MNPS

There are district provided tools available to MNPS staff that incorporate generative AI features. These tools range from text and image generators to other forms of generative AI applications. Approved applications/software can be found on the MNPS SharePoint.

AI holds tremendous promise for enhancing student learning, such as providing real-time assistance with assignments, generating practice questions, offering feedback on writing, or recommending educational resources. However, the use of AI tools also presents challenges, particularly in ensuring student safety and data privacy. Any AI tool, even those that are free, must undergo *MNPS's software approval process* to ensure they provide a secure environment for district and school data.

### Performance Measure/Accountability

Administration of this procedure will be aligned to district policy and all applicable federal and state la

