

THE SCHOOL DISTRICT OF PHILADELPHIA

AI in Action: Effective Classroom-Based AI Integration

October 22, 2026

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Chief Information Officer

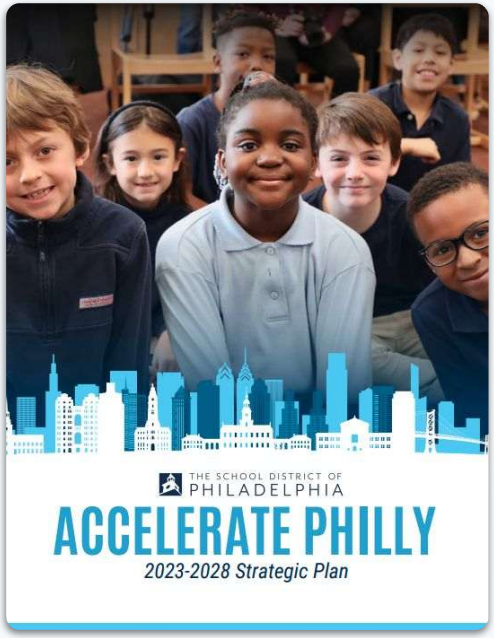
PRIORITY AREA 3 • Accelerate Academic Achievement

ACTION 3.2 - 3.3
Standards aligned core instructional resources in Math and ELA (focus on science of Reading)

Action 3.4
Standards aligned core instructional resources in Science

ACTION 3.8
Expand supports for our Special Education Population and English Learners.

Action 3.9
Provide more support to teachers in content knowledge and Culturally/Linguistically Relevant Instruction



Harnessing technology to create the conditions for instructional excellence

CROSS-STRATEGY ALIGNMENT

Priority Area 4 Reinforces the imperative: recruit and retain effective educators
Priority Area 5 Supports the goal to deliver efficient, high-quality, cost-effective operations

The SDP AI Approach: Human-in-the-Loop

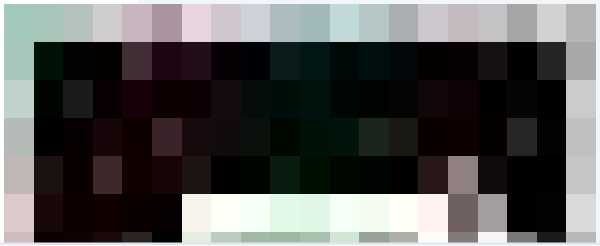
- **Thought Partner:** AI is viewed as a thought partner, not an autopilot.
- **Pedagogy First:** Tools must enhance high-quality instructional practices.
- **Equity-Driven:** AI must bridge the digital divide for our urban high school students.
- **Responsible Use:** Strict adherence to privacy and academic integrity standards.



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Artificial Intelligence Guidelines

Release Timeline

Published August 2024
Updated November 2025
Update in Progress January 2027



Focus

Comprehensive guidance for safe, equitable, and pedagogical AI adoption across all schools.

- Prioritizing educator oversight and critical thinking.
- Protecting student information and upholding academic integrity.
- Clear parameters for district-approved AI tools.
- Guidance on supporting student with AI use and expectations with a AI Use Continuum
- Guidance for authentic student classroom-based assessment and classroom activities



Guiding Principles

- Student-Centered Learning
- Academic Integrity and Responsible Use
- Privacy and Data Protection
- Equity, Inclusion, and Accessibility
- AI Literacy
- Professional Learning
- Safety and Wellbeing
- Continuous Evaluation and Improvement

Approved Tools in the School District of Philadelpahia

Google Gemini Education

Using prompts, this AI chatbot can support staff and students with everyday tasks and assist with goal setting, researching, brainstorming, planning, enhancing writing, and more.

Available to all Staff and Students in Grades 9-12

Gemini in Google Classroom

Generate quizzes, rubrics, vocabulary lists, choice boards, and more within Google Classroom.

Available to all Staff and Students in Grades 9-12

Gemini Notebook

An AI-powered research and note-taking tool that helps users summarize, analyze, and interact with their uploaded documents and sources.

Available to all Staff and Students in Grades 9-12

Adobe Express with Firefly

Create a variety of content, such as video clips, artwork, animations, and audio that includes using generative AI capabilities.

Available to all Staff and ALL Students

Practical Educator Use Cases

Course Management

Utilizing Gemini to streamline course updates, AP announcements, and family communications.

ELL & Language Support

Leveraging a custom Gem to translate complex academic texts and primary sources for ELL students.

Curriculum Design

Architecting a curriculum framework for Digital Literacy and Computer Science courses with Gemini.

Substitute Planning

Generating content-specific and relevant sub plans for high-quality learning during absences.

Student Engagement

Designing AI-powered choice boards for engagement while promoting student voice and agency.

Special Education

Using Gems to brainstorm adaptive activity ideas and transition planning for Special Education.

Accessibility & Audio

Utilizing Gemini Notebook for personalized audio overviews of complex secondary texts for all learners.

Practical Student Use Cases

Assessment Prep

Using features in Gemini for Google Classroom (quizzing, flashcards, etc.) to prep for high school assessments

Essay Revision & Writing

Deploying a custom Gem to mentor students in essay revision, specifically focusing on the mastery of complex writing conventions.

Philosophical Texts

Leveraging AI to make the works of ancient philosophers more accessible, including modern-day language and relatable analogies.

Guided Test Prep

Creating interactive guided learning pathways to facilitate high-stakes test preparation for AP Exams and the SAT.

Data Synthesis & Research

Utilizing Gemini Notebook to help students synthesize complex data for their Social Science Civic Action research projects.

AP Project Refinement

Integrating Gemini Notebook and Gemini to refine AP Individual Student Project topics through resource analysis.

Teacher Quotes About AI Usage

IEP & ELL Support

"I was able to have Gemini Notebook create support materials for my students with IEPs and English language learners."

Assignment Modifications

"This training has showed me how to create meaningful modifications to assignments using Google Gemini to help ensure all students can access the material."

Equity & Learning Styles

"The audio language feature would help with equity. It also helps teachers hit multiple learning styles."

Personalized Learning Pace

"The students can create their own notebooks that can be tailored for their own learning rate."

Visual & EL Assistance

"I can easily find images or create material to assist my EL learners."

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Looking Ahead

- **Continuous Guideline Evaluation:** Iterative updates aligned with emerging tools and research. (Fall 2026)
  - Format and accessibility - ensuring all constituents can digest this complex information
  - Effective teacher and administrator AI application and use cases
  - Address AI companion issue and Social and Emotional Learning implications
  - Guiding teachers on how to (and not to) use AI to give students feedback
- **Expanded AI Literacy:** Deepening and expanding professional development and extending foundational AI Literacy into K-8 (what is is and how it works only)

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Thank you and questions?

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