PETALUMA CITY SCHOOLS

AI Tools for Educators to Reach All Students

January 7, 2025

Presented by Dave Fichera, dfichera@petk12.org

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Welcome and Introductions

At your table, introduce yourself (name, school site(s), role) and share your favorite holiday dessert or sweet treat.

AI Overview

A google slide deck that includes introductory info about generative AI and links to major AI platforms. Prompt engineering activity link.

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AI Tools Made for Education

Magic School AI

I. Sign Up for Free Account using petk12 Google sign in
II. Magic School Level One Certification Course
III. Explore 3+ features in Magic School AI

Brisk

I. Install Brisk Chrome Extension
II. Brisk AI Tools for Teachers
III. Explore 3+ features in Brisk

Diffit

I. Sign Up for Free Account using petk12 Google sign in
II. Declaration of Independence example
III. Explore 3+ features in Diffit

Kahnmigo

1. Sign in with Google, using petk12 account
2. Explore 3+ features

WolframAlpha

I. Math and Science resources

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AI Activities for Educators

Individually or in small groups, work through these tasks, exploring what works, what doesn't, taking note of your findings to share with others.

#1 Meeting the needs of multilingual learners

Use at least two of the AI platforms linked above to adapt one of your teaching resources to make it more accessible to multilingual learners. Consider going beyond translation and text leveling. Check out this Edutopia article for some inspiration. How did these platforms compare? Take note of your findings to share with the group.

#2 Meeting the needs of students with disabilities

Choose one of your students with an IEP, then use at least two of the AI platforms linked above to help in providing an accommodation or modification that is listed in their IEP. For example, change the level of a text or simplify instructions. Discuss how these tools might help students with special needs in general.

#3 Increasing efficiency, creating time for student connection

Use three of the platforms listed above to help complete a task that would otherwise be completed manually. Try lesson planning, email writing, comment generation… Take note of potential time savings and how leveraging these tools might free up more time to connect directly with students.

#4 Think like a student

Use Google Gemini to generate responses to an assignment from your class. Be creative in your prompting to attempt to produce work that is representative of the level of your students. Consider prompting to include typos and spelling mistakes. Were you able to produce work that would be difficult to detect as generated by AI?

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Appendix and Conclusion

The following documents and resources are under development by the PCS Learning & Innovation Committee and are intended for reference and review. Please consider providing feedback to your site's L&I Committee representative(s).

- Petaluma City Schools Generative AI Guidance
- Petaluma City Schools Use of AI BP - Draft
- PCS Technology Student Use Agreement 24-25, English
    - Included in data confirmation this year, 4th bullet in "Productivity"
- AI Grade Level Recommendations