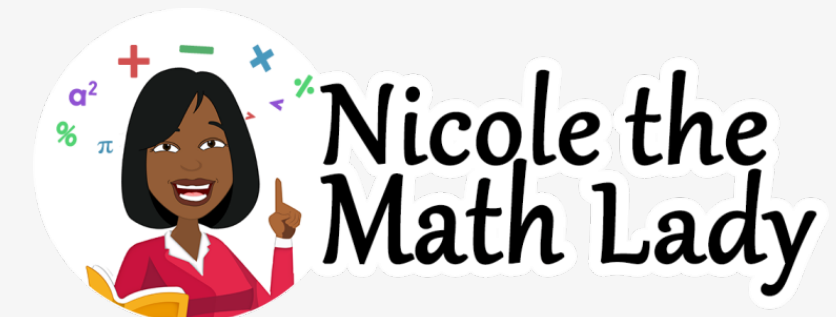




Digital Integrity

How to Ensure Students Use
Technology and AI Responsibly in
Math



**How can the use
of technology/AI
help—or hurt—
students in math?**





BLOCKED!
BY PARENTAL CONTROL

CLOSE WINDOW

Objectives

- Learn the 7 Technology/AI app types students can use
- Understand the benefits and risks of using technology/AI in math.
- Learn strategies to promote responsible use among students.



Digital Integrity

The practice of using technology and artificial intelligence responsibly, ethically, and effectively while learning.





7 Types of Apps/AI Tools for Math

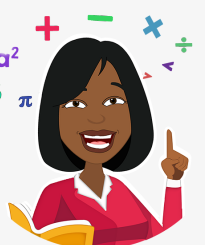
Personalized Learning Paths



Uses AI to tailor learning paths and offer personalized quizzes.



Khanmigo challenges you to think critically and solve problems without giving you direct answers. Learn new skills anytime, whether it's algebra, SQL, or essay writing.

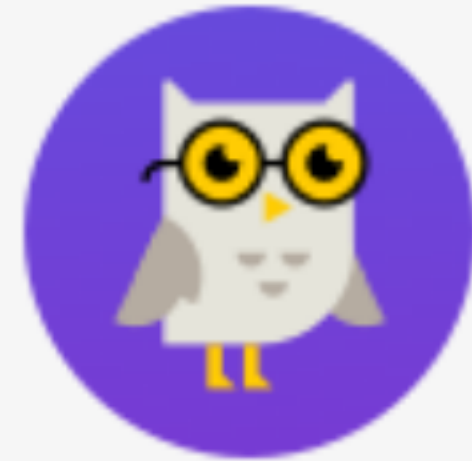


Instant Solutions



photomath
smart camera calculator

Solves math problems with step-by-step explanations using AI and OCR (optical character recognition).



Socratic

Explains solutions to math problems by breaking them into easy-to-understand steps using AI.

 **Mathway**

Provides instant solutions for math problems and detailed explanations.



Problem-Solving & Homework Assistance



AI scans math problems and provides step-by-step solutions with graphs and examples.



Community-powered app with AI tools to offer quick answers to math questions.



AI solver for algebra, calculus, and basic math problems.



Practice and Assessment Tools



Adaptive learning platform for K-8 math that adjusts based on student progress.



Uses AI to generate personalized recommendations and analytics for student progress.



Gamified learning app with AI-driven recommendations for practice areas.



Games for Math Learning



AI adapts math games for early learners, focusing on foundational skills.



AI-driven platform for grades K-5 that uses gamified activities to teach math concepts.



Visualizing Math Concepts



AI-enhanced graphing calculator that allows users to visualize functions and equations dynamically.



Combines AI-driven dynamic geometry, algebra, and calculus for interactive learning.



Visualizes algebraic, calculus, and graphing problems using AI.



Exam Prep & Analytics



AI identifies knowledge gaps and personalizes test prep for K-12 and higher education.



AI suggests study paths based on performance in math flashcards and quizzes.



Benefits



Individualized Support



Efficient Practice



Instant feedback



Accessibility



Engaging and interactive learning experiences



Risks



Over-reliance



Critical Thinking Decline



Cheating/Inappropriate Use



Do's & Don'ts



Use AI to do the work for you



Solve problems independently and use AI to check answers



Copy solutions without attempting to understand



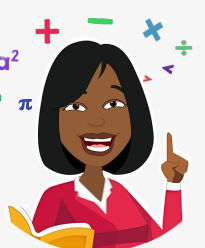
Use AI to fill in gaps of understanding



Use for tests or graded assignments



Using AI tools to complete homework



Scenarios

How would you handle...?



1

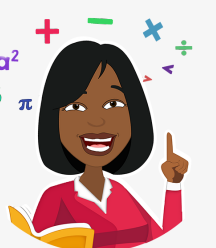
A student uses Photomath to complete all homework.

2

A group project involves AI, but one member does all the work using technology.

3

A student uses AI to cheat on a math test.



How do you know if a math app is best for your student?



Ease of Use

Is the tool user-friendly for the intended age group?



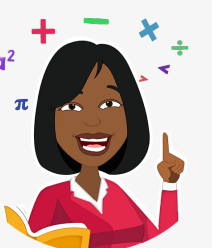
Learning Enhancement


Does the tool explain solutions or just give answers?



Shortcut Potential

Can students misuse the tool to avoid learning?





"AI is like a calculator—
it's powerful, but only
when used
appropriately."



- Saxon Math Videos & Grading
- Singapore Math Videos & Grading
(Coming this Fall)
- Average annual price: \$79 per student

SIGNUP FOR A FREE TRIAL

You don't have to have the
books for the free trial!



- Learn Addition & Subtraction Math Facts in 60 days
- Learn Multiplication & Division Facts in 90 days
- \$21.99 for a single student



Workshop Handouts