UPDATE ON ARTIFICIAL INTELLIGENCE IN CVUSD

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OBJECTIVE

To provide the Board of Education with an update on artificial intelligence.

AGENDA

- Why use AI in Education
- Benefits & Risks of AI
- Recommended AI Approved Sites
- Framework for AI Integration

WHY USE AI IN EDUCATION

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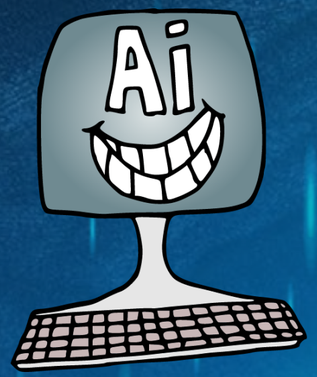
- Personalized Learning
- Enhanced Student Engagement
- Improved Student Outcomes
- Efficient Administrative Tasks
- Global Access to Education
- Future-Proofing Students

AI is:

- Online and in-store shopping
- Robotic tractors, precision agriculture
- Warehouse Fulfillment
- Credit Card Fraud Protection
- Insurance Rates
- NASA images from space
- Text to Speech
- Foreign Language Translation
- Mapping and Navigation

AI is NOT:

- Alive
- Smarter than us
- Killer robots
- Only for geniuses
- Only for people in tech cities
- Always physical. It is inside our computer software and phone apps.



Education with AI is:

- Personalized learning: More practice problems for struggling students, more advanced concepts for students who are ahead
- Differentiation in seconds
- Increased student persistence
- Handwriting conversion to digital
- Text to speech, speech to text
- Language Translation

Education with AI is NOT:

- Replacing teachers
- Going to solve every problem
- One more thing that needs to take a lot of time for busy educators
- Another subject that must be separate from other subjects

Teach AI. (2024). AI in Education Presentation. (Slides 5-6).

LEVERAGING AI TO ENHANCE LEARNING

- Educational Inequality
- Skill Gap
- Missed Opportunities
- Ethical Concerns

BENEFITS & RISKS OF AI

THE POTENTIAL BENEFITS

- Personalized Learning
- Intelligent Tutoring Systems
- Automated Administrative Tasks
- Enhanced Accessibility
- Creative Tools

RISKS OF AI USE

- **Over-reliance** on AI
- Potential **decrease** in creative and spontaneous teaching moments
- Potential for **overlooking** individual student circumstances and needs
- **Overuse** of AI tools
- Students may become **passive consumers**
- Risk of **neglecting qualitative factors**
- **Algorithmic bias**
- **Unequal access to AI technologies**

FRAMEWORK FOR AI INTEGRATION

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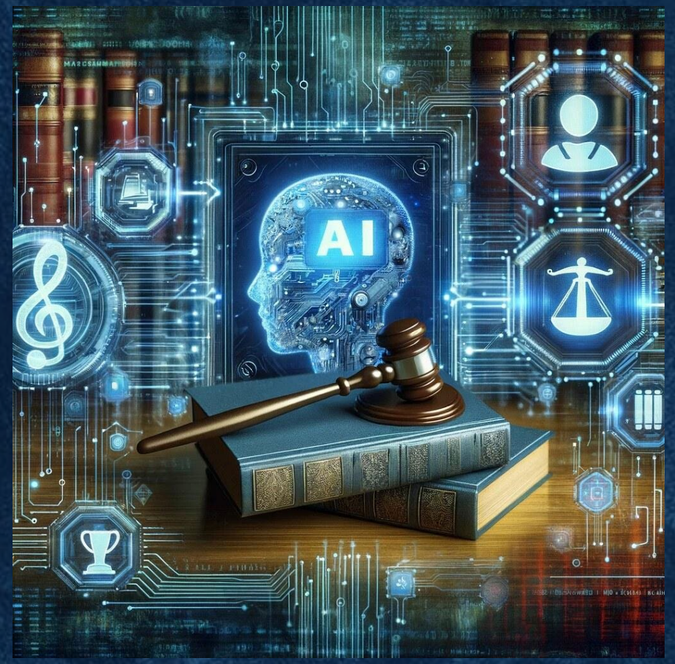
- **Policy updates:** Update our BP, AR, and AUP documents; as well as provide sample syllabus language to include responsible AI use.
- **Teacher Training:** Provide professional development to equip educators with AI skills.
- **Curriculum Development:** Incorporate AI concepts and digital citizenship into existing subjects and provide instruction to students.
- **Ethical Guidelines:** Establish and teach clear guidelines for responsible AI use.

STEPS FORWARD

- **Collaboration:** Discussions with site leaders, teachers, CVUSD Technology Committee
- **Policy updates:** Drafted policy and document updates.
- **Teacher Training:** Designed materials and have begun scheduling Professional Learning.
- **Curriculum Development:** Design and prepare for distribution classroom-ready materials to help teachers get started.
- **Ethical Guidelines:** Communicate clear guidelines for responsible AI use and distribute instructional materials as needed.

CONSIDERATIONS OF AI TOOLS

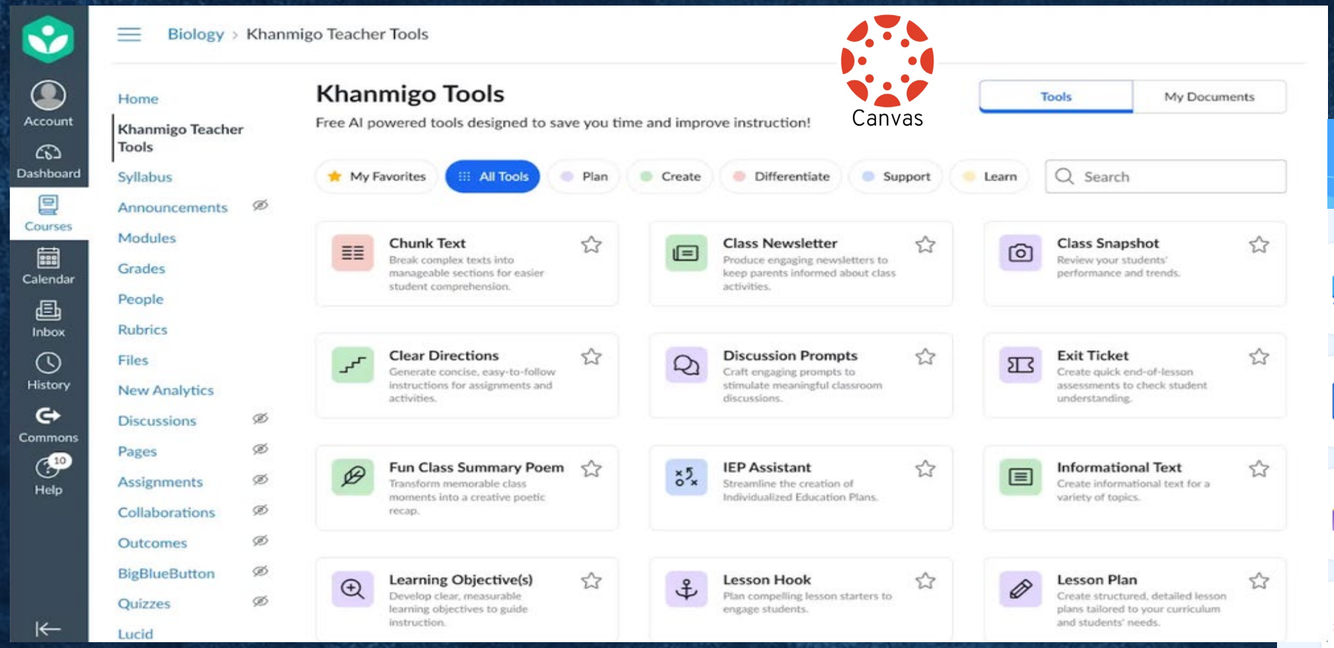


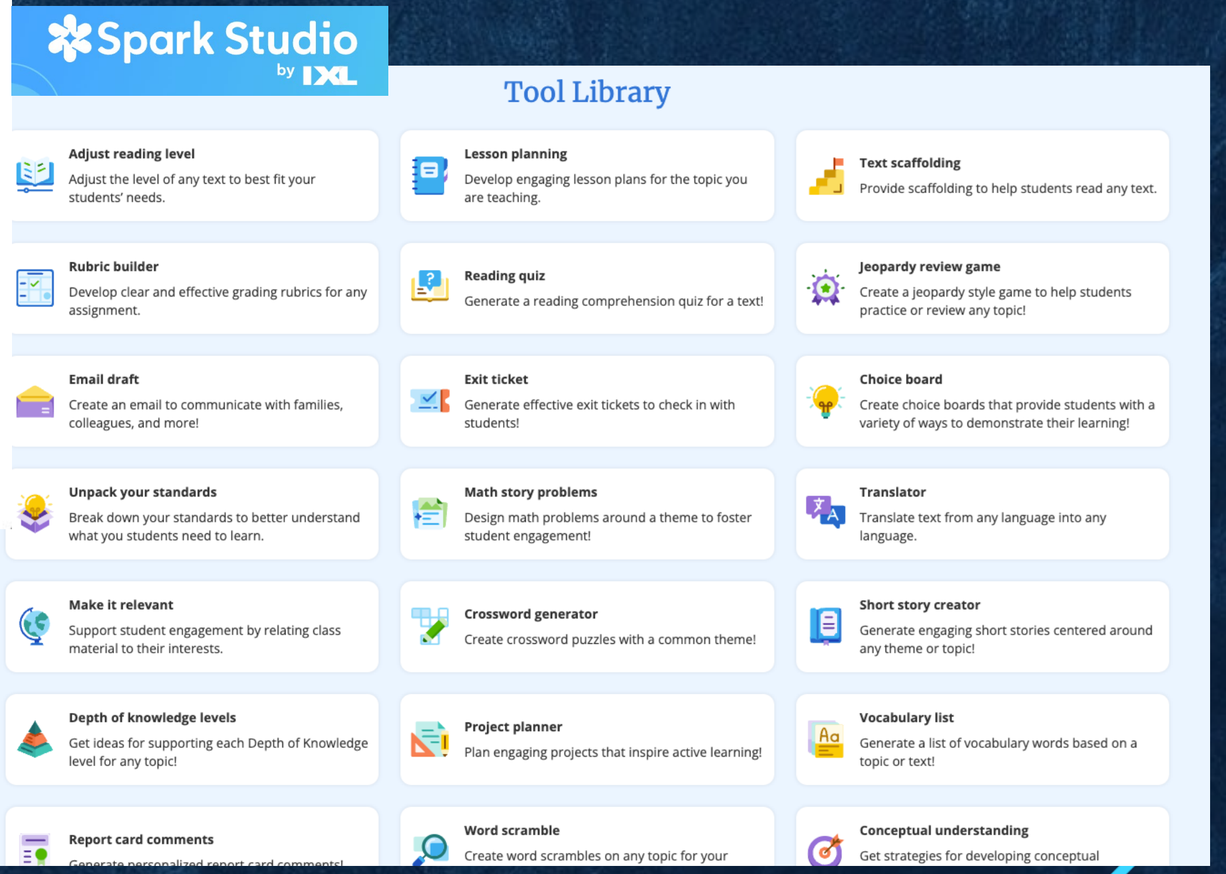
- State and federal student data privacy laws
- Usage of student data by vendors
- Security risks
- Algorithmic bias
- Ease of use
- Integration into current educational technology applications
- Designed for educational use
- Assists teachers with differentiation and UDL

AI TOOLS FOR TEACHER USE

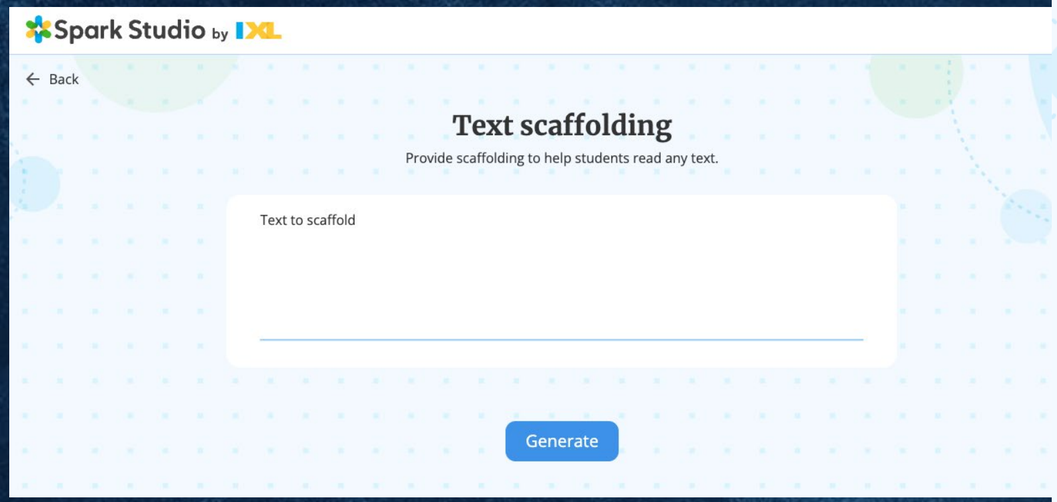
- Khan Academy Khanmigo
- Google Gemini for Education
- Adobe Express for Education
- MagicSchool AI
- Canva for Education
- IXL – Spark Studio
- Seesaw

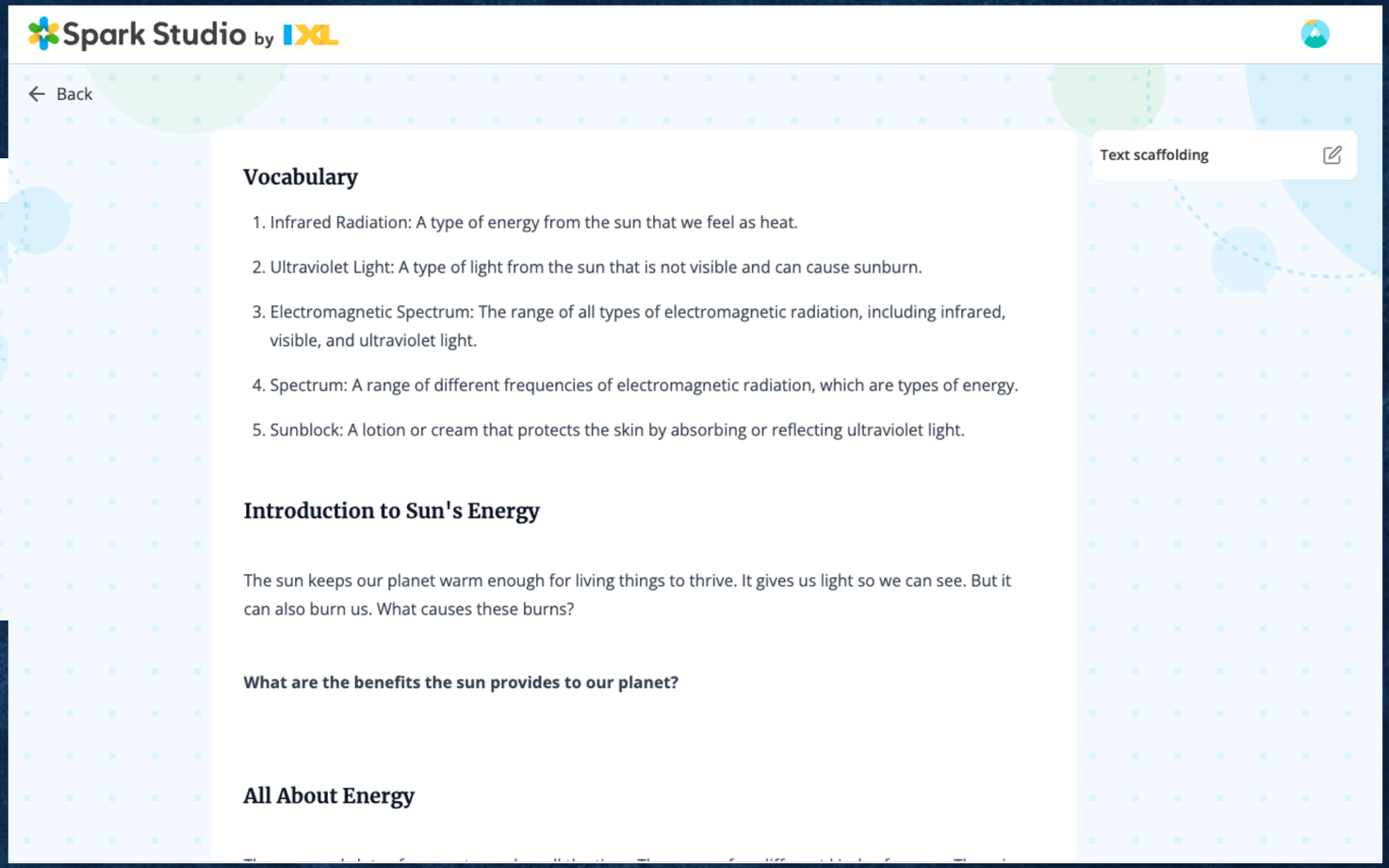
KHANMIGO & SPARK STUDIO BY IXL





PROMPTING WITH SPARK STUDIO





TEACHER PROFESSIONAL LEARNING

- In-Person PD on AI for Teachers
- Asynchronous Canvas Course
- Resource Reference Page

ASYNCHRONOUS AI COURSE

CVUSD Artificial Intelligence (AI) Basics for Education › Modules

Home
Modules
Quizzes
People
Assignments
Announcements
Discussions
Pages
Syllabus
Grades
Outcomes
Collaborations
New Analytics
Google Drive
Office 365
Edpuzzle
Badges
IXL Learning
Discovery Education
Canva for Education
Microsoft Teams

Collapse All | View Progress | Export Course Content | Publish All | + Module

Introduction to AI for Education — Complete All Items
- AI In Education Presentation — View
- AI in Education — 3 pts
- Edpuzzle | What is Artificial Intelligence? | Artificial Intelligence In 5 Minutes — 3 pts

Responsible Use of AI — Complete All Items
- Video - AI 101 for Teachers: Ensuring a Responsible Approach to A — View
- AI 101 for Teachers — 3 pts
- Guide to Ensuring a Responsible Approach to AI
- Ensuring a Responsible Approach to AI — 3 pts

Magic School AI
- MagicSchool Training — View
- Understanding MagicSchool AI — 3 pts
- Video - How to use MagicSchool Tools
- Understanding How to use MagicSchool Tools — 3 pts
- Video - Creating Custom Prompts in MagicSchool
- Understanding Prompts in MagicSchool AI — 3 pts

Google Gemini — Complete All Items

Model Prompts
- AI Prompt Engineering Tips for Teachers — View
- Prompt Engineering: The Key to AI Success
- Prompt Engineering — 3 pts
- Video - Prompt Engineering for Teachers
- Writing Effective Text Prompts
- Prompt to Picture - Resource
- Edpuzzle | AI Image Generation with a Prompt Template — 3 pts

Khanmigo — Complete All Items
- Khanmigo Teacher Tools & Canvas Integration — View
- Video - Khanmigo Canvas Integration Dashboard
- Video - Khanmigo for Teachers
- Understanding - Khanmigo for Teachers — 3 pts

QUESTIONS?