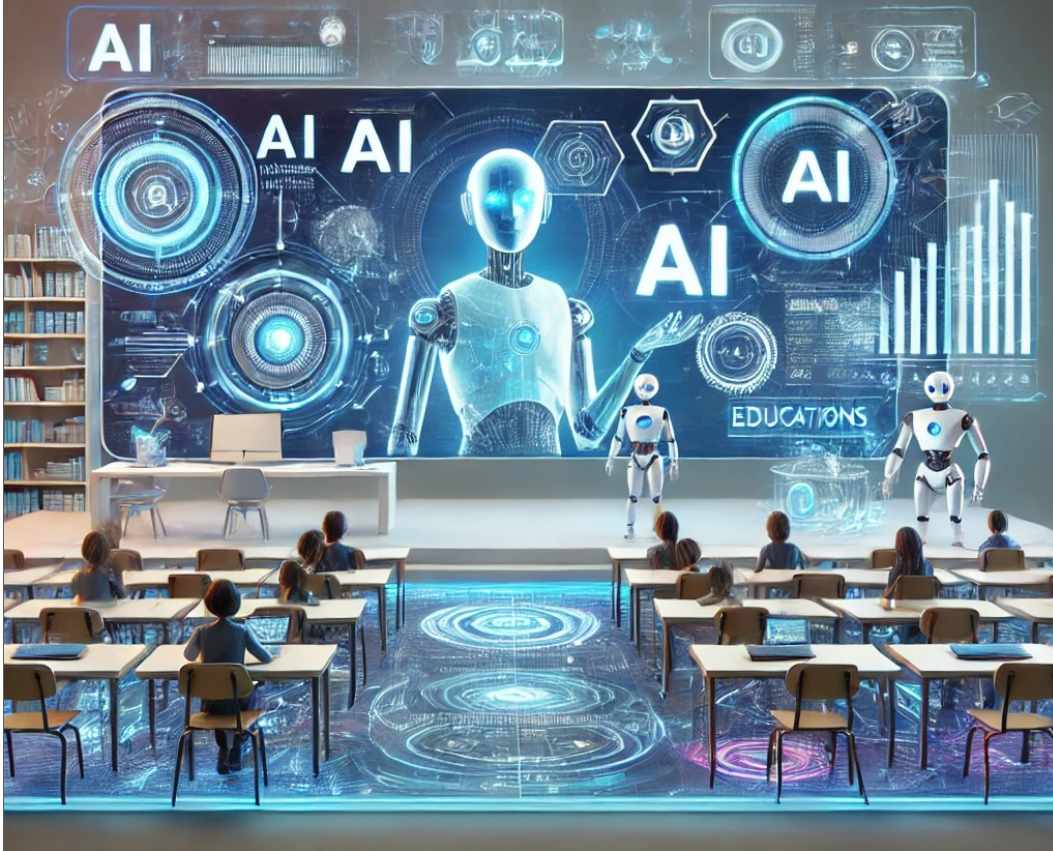


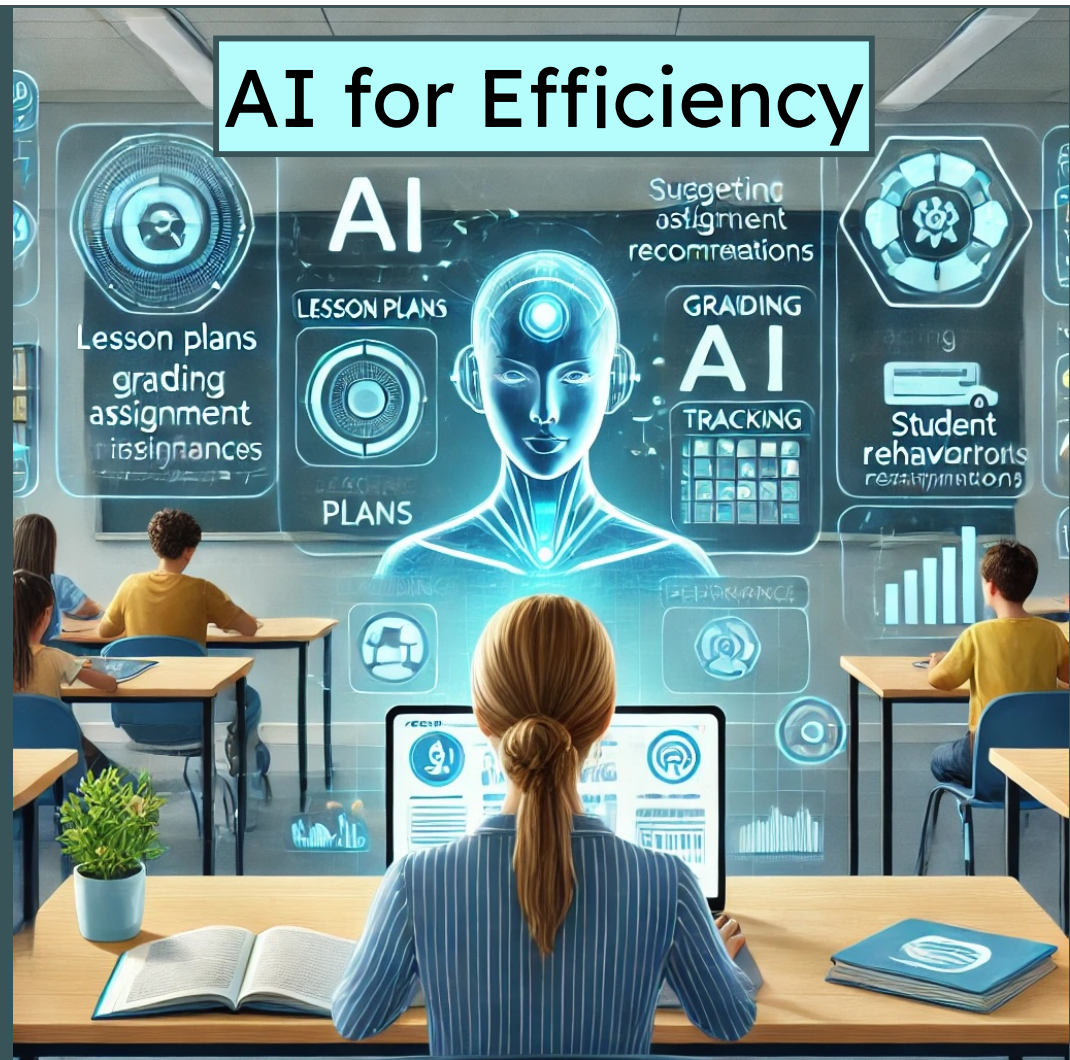
REVOLUTIONIZING EDUCATION: Harnessing AI Our classrooms



AI Timeline of Events @ PV - 2022-24

- November 2022 - ChatGPT released by OpenAI
- December 2022 - Industries BUZZING about AI
- January 2023 - District Leadership Conversations
 - “Conservatively Curious Mindset” - Controlled Access
- Spring 2023 - Present to Faculty & Staff
 - AI Task Force - Prof Learning Opportunities - Staff Access
- 2023-24 School Year
 - Continuous Dialogue - Embrace & Respect vs Fear

- Assignment Design
- Lesson Engagement Strategies
- Professional Learning
- Modifications and Accommodations
- Leveling Content
- Idea Generation
- Translation and Supporting ELLs
- And SO Much More!



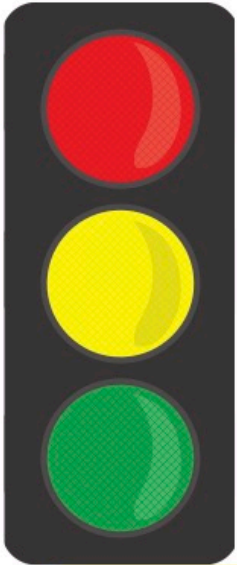
Three Components of AI In Education

Ethics
Keeping data
PRIVATE
bias

Guidelines
Terms of Service
Privacy Policies
Use

**Teaching
&
Learning**

AI GUIDELINES FOR CLASSROOM USE



Option #3 - GREEN LIGHT

Learners are encouraged to use AI tools, but must discuss with their facilitator how they plan to use and cite these tools in their work.

Example Instruction:

"You may use AI tools as you see fit to enhance your assignment and demonstrate your understanding of the topic, but proper citation is required."

Application:

- Creative writing assignments where AI can serve as a brainstorming tool.
- Research projects that involve gathering and analyzing large sets of data.
- Activities that encourage innovation and exploration, such as coding or design tasks.

Code of Conduct - Academic Dishonesty

Three Components of AI In Education

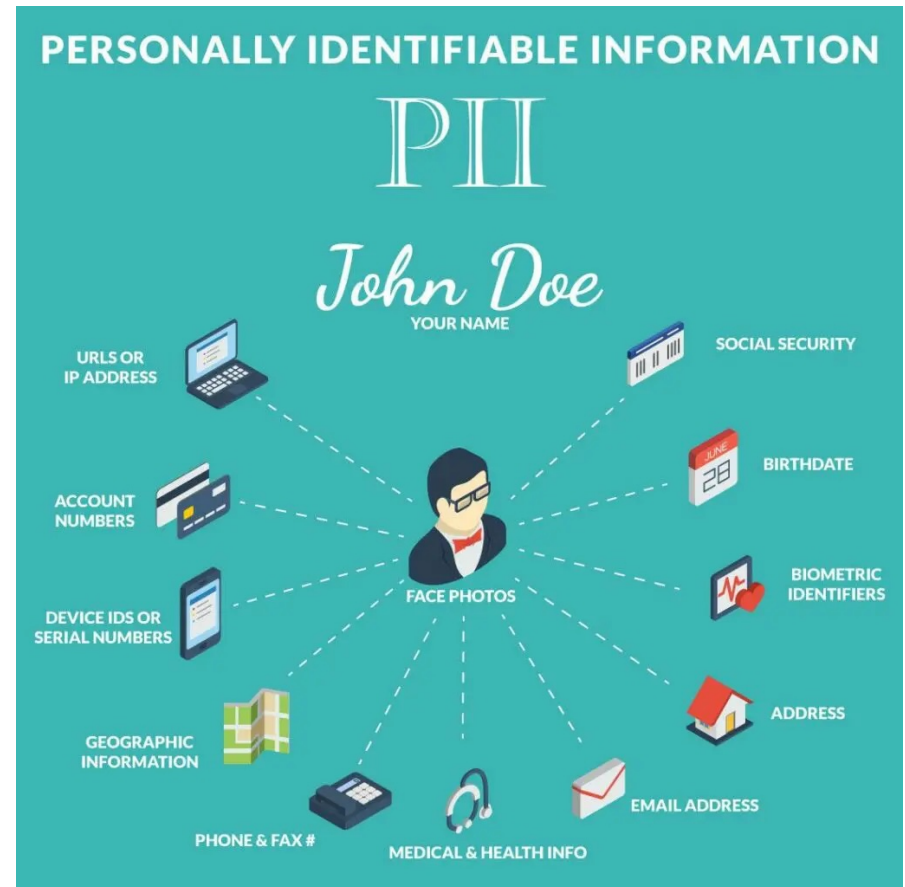
**Ethics
&
Bias**

**Guidelines
For
Use**

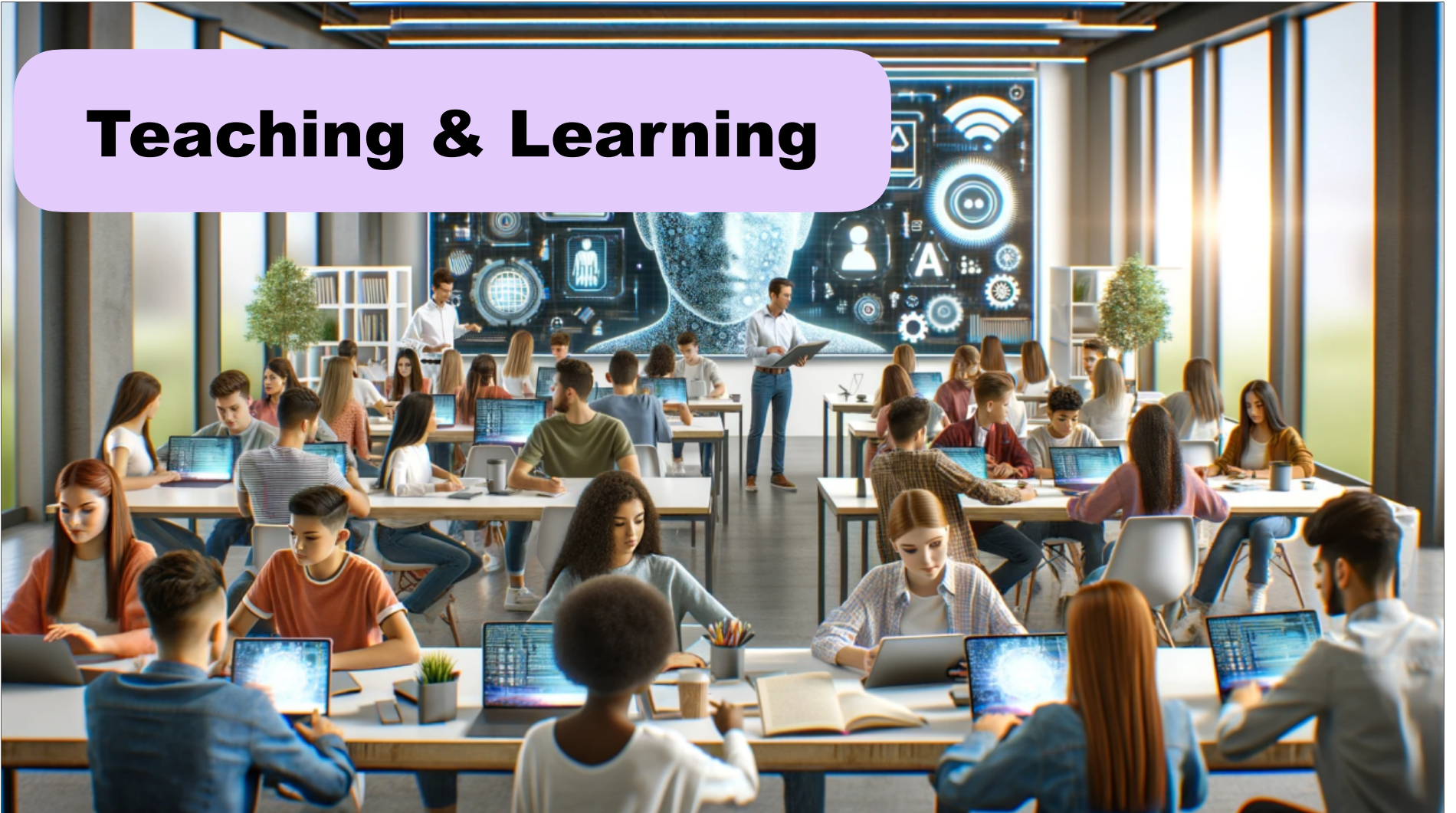
**Teaching
&
Learning**

Ethics & Bias

- Protect Privacy/PII - **#1 Priority**
 - **PII Detection in AI Tools**
- Responsible Use: Digital Citizenship and AI Literacy Lessons for K-12
- AI Law and Governance
 - EU AI Act & California legislation - safety, consumer transparency measures, reporting requirements, clarification of privacy safeguards, etc.



Teaching & Learning



We were only talking about a handful of tools last year...



ChatGPT

school 

The word "school" is in a bold, black, sans-serif font. To its right is a logo icon consisting of two overlapping, stylized shapes: a purple triangle and an orange circle.

Exponential Growth of AI Tools For Education

Instructional Materials

LESSON PLAN GENERATION

LessonUp, twee, Copilot, Oak National Academy, almanack

MULTIMODAL INSTRUCTION (AUDIO/VIDEO/GAMES)

CARNEGIE LEARNING, ROSEBUD AZ, Gunpod, beep, educandy

STUDY MATERIAL GENERATION

Quizlet, NotebookLM, Knowit, AnkiDecks, algor

INSTRUCTIONAL CHATBOTS/INTERACTIVE EXPERIENCES

thinglink, CODECOMBAT, MIZOU, alchemie, cartedo

SPECIALIZED CLASSROOM ACTIVITY GENERATION

TEACH2MATIC, Teachflow, coteach, Planning Period

DEVELOPING ONLINE LEARNING

DISCO, Learning Studio, CourseAI, nolej, coursemagic

ENGAGE STUDENTS WITH CELEBRITIES

rebind, HELLO, Vixi, Onlock Learning

SUPPORT FOR ELL/MLL LEARNERS

BOOKR, Pace AI, WEXT AI, astrid.

PEDAGOGY-SPECIFIC APPROACHES

Inkwire, Teaching Tools, EngageAI Institute, pathfinder, teachally

CULTURALLY RESPONSIVE CONTENT GENERATION

Reconstruction, COMMONS, sizzle, StepWise

EMERGING USE CASES

Connect New Concepts To Old Extensions, Enrichment & Challenge

Assessment and Feedback

AI ASSISTED GRADING

gradescope, noredlink, ALL to Learning, cograder, Graide

FEEDBACK ON (WRITTEN) STUDENT WORK

Writable, Class Companion, EssayGrader, sense, ETHOLY

QUIZ & QUIZ GENERATION

Kahoot!, edpuzzle, Gizmo, QUIZOCKO, Quizalize

STUDENT PROGRESS TRACKING

redmenta, ASSISTments, Project Leo

FEEDBACK ON (MULTIMODAL) STUDENT WORK

Equatio, smartSchool, Fluent, sAllnaptic, EdLight

ASSESSMENT OF PROCESS OVER PRODUCT

Goodnotes, magma, snorkl, Goblins, sketchchar

EMERGING USE CASES

Holistic Assessment

Market Map: Gen AI Use Cases in K-12 Education

Explore our market map featuring K-12 specific use cases for Generative AI in educational contexts.

Edtech **Insiders**

Teacher Professional Learning

RESEARCH FOR EVIDENCE-BASED PRACTICES

perplexity, Consensus, scite, Humata, scholarcy

INSTRUCTIONAL COACHING

EDTECH, TeachFX, PopPD

CLASSROOM MANAGEMENT SIMULATION

Mursion, ACTS Simulator

Teacher Practice Support

TOOL SUITES FOR TEACHERS & STUDENTS

Quizizz, formative, MAGIC SCHOOL, KHANMIGO, KIRK TEACHING

ANALYSIS OF STUDENT DATA

edla, Eedi, Schoolytics, doowii, Strived.io

ACADEMIC INTEGRITY

turnitin, ZeroGPT, GPTZero, Copyleaks, Honorlock

ADMIN SUPPORT TO FREE TEACHER TIME

Classhelp, Playlab, MERLYN MIND, Alayna, YOURWAY

COMPETENCY-FOCUSED TEACHING & LEARNING

goreact, Muzzy Lane, bodyswaps, thejules, GENIUS ACADEMY

SUPPORT FOR HUMAN TUTORING

hilink, nerdy, Stanford University TUTOR COPILLOT, saga, stift

AVATARS TO EXTEND TEACHER REACH

HeyGen, synthesia, AI STUDIOS, Colossyan, PRUP JIN

SCHOOL-FAMILY CONNECTIONS

ParentSquare, Paloma

EMERGING USE CASES

Class Coherence, Team Teaching (For Lead Teachers) & (For Paraprofessionals)

Social Tools

SMALL GROUP FACILITATION

BREAKOUT, OKO, Kriitik, college contact, Peer Teach

INTEREST-BASED GROUPS & NETWORKS

Solvably

CLASS DISCUSSION FACILITATION

harmonize

Student Support

EARLY READING COACH

Microsoft Reading Coach, Project Read, AMIRA, Elio, JUNIA

WRITING ASSISTANCE

QuillBot, Grammarly, Scribbr, Quill

MENTAL HEALTH & WELL-BEING

Woebot Health, koko, mainstay, PLAYTAG, EDSIGHTS

AI-ENHANCED TUTORING

PowerBuddy, Numerade, Fina, SYNTHESIS, Acely

SUPPORT FOR NEURODIVERGENCE & SPECIAL NEEDS

Speechify, Signapse, SLATIT, EarlyBird, playground

LANGUAGE PRACTICE PARTNER

MEM RISE, Talkpal, Speak, praktika.ai

LEARNING COMPANION

MIKO, TutorOya, Buddy.ai, moxie, BusyBee

CAREER COACHING & EXPLORATION

CodeSignal, COACH, Stemuli, careerdekho, REACH

CURIOSITY COACH

Learn About, Kimo, CURIO, hello.wonder, WorldClass

ACADEMIC COACHING AND COLLEGE ADVISING

leverage, ambitio, ESAI, GradGPT, KIRK

HOMEWORK HELP

Chegg, BRAINLY, Course Hero, OANDA, Gauth

CREATIVE IDEATION

Canva, Adobe Express, FigJam, Storyboard, STORY 360

DELIBERATE PRACTICE

Symbolab, SCRIMBA, MagnLearn, Seesaw, SchoolJoy

TEACHABLE AGENTS

StudyBuds, Max

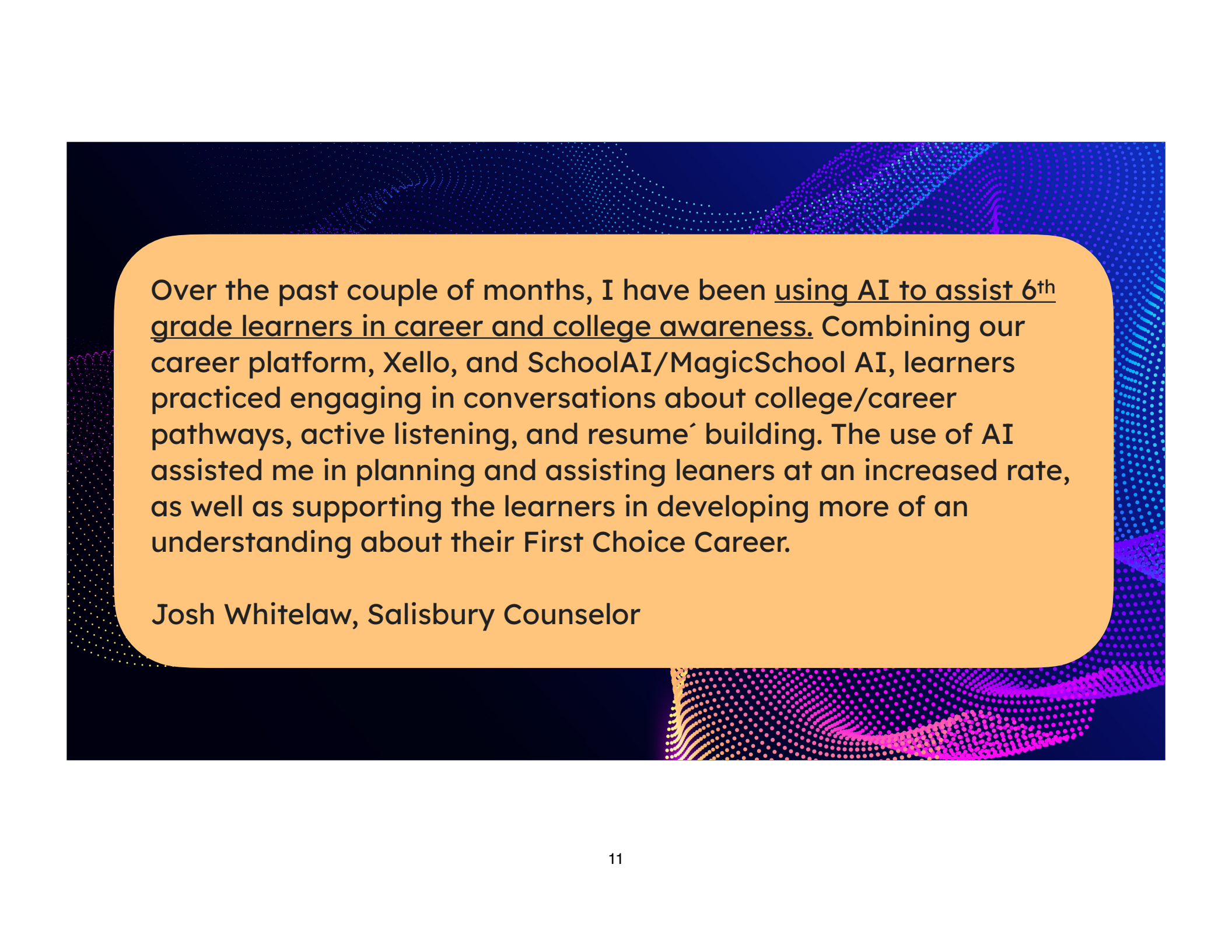
EMERGING USE CASES

Academic Coaching And Advising

The Generative AI Use Case Database is created and maintained with the support of:

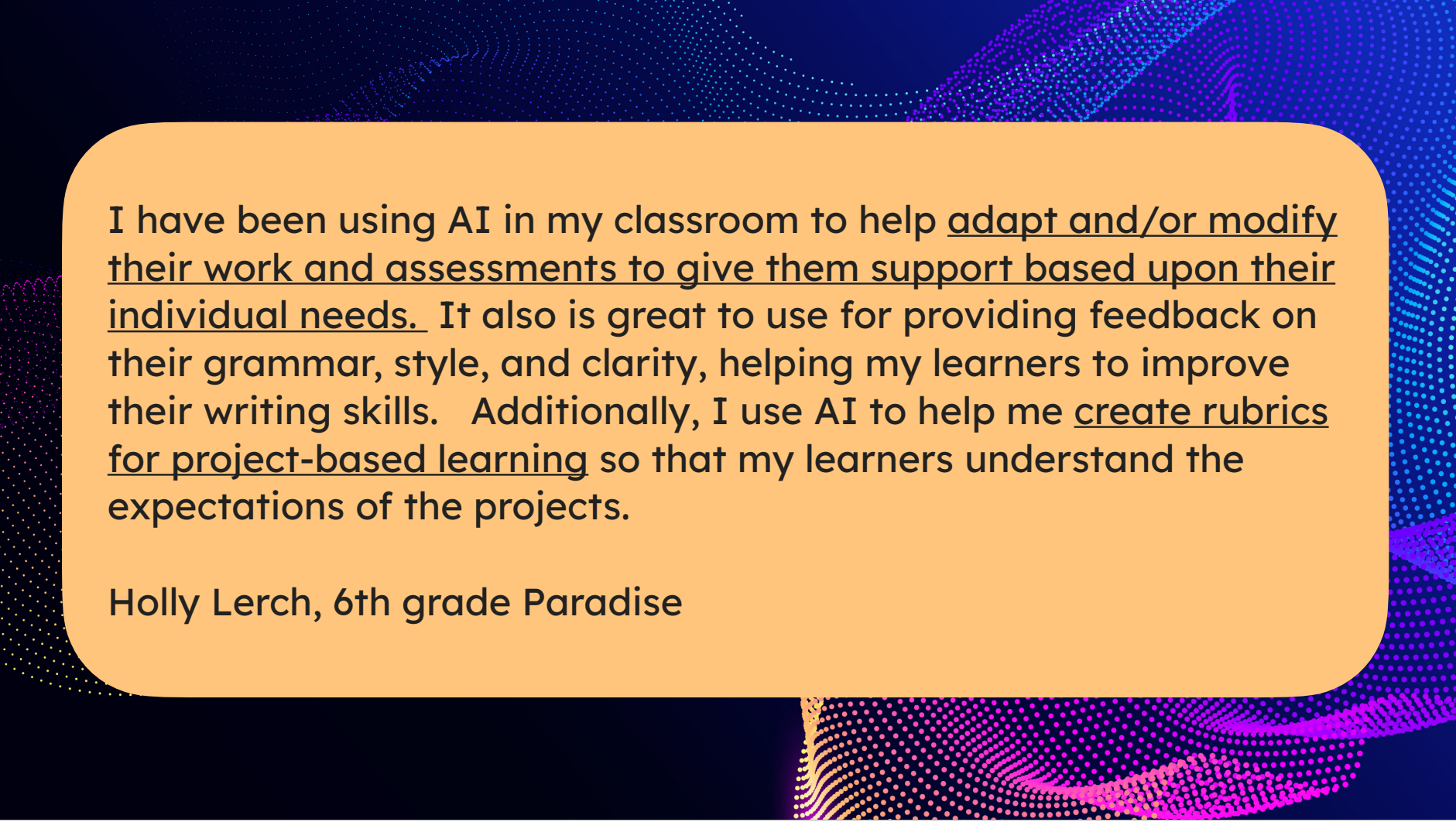
Overdeck Family Foundation, Chan Zuckerberg Initiative

Latest update: January 10, 2025



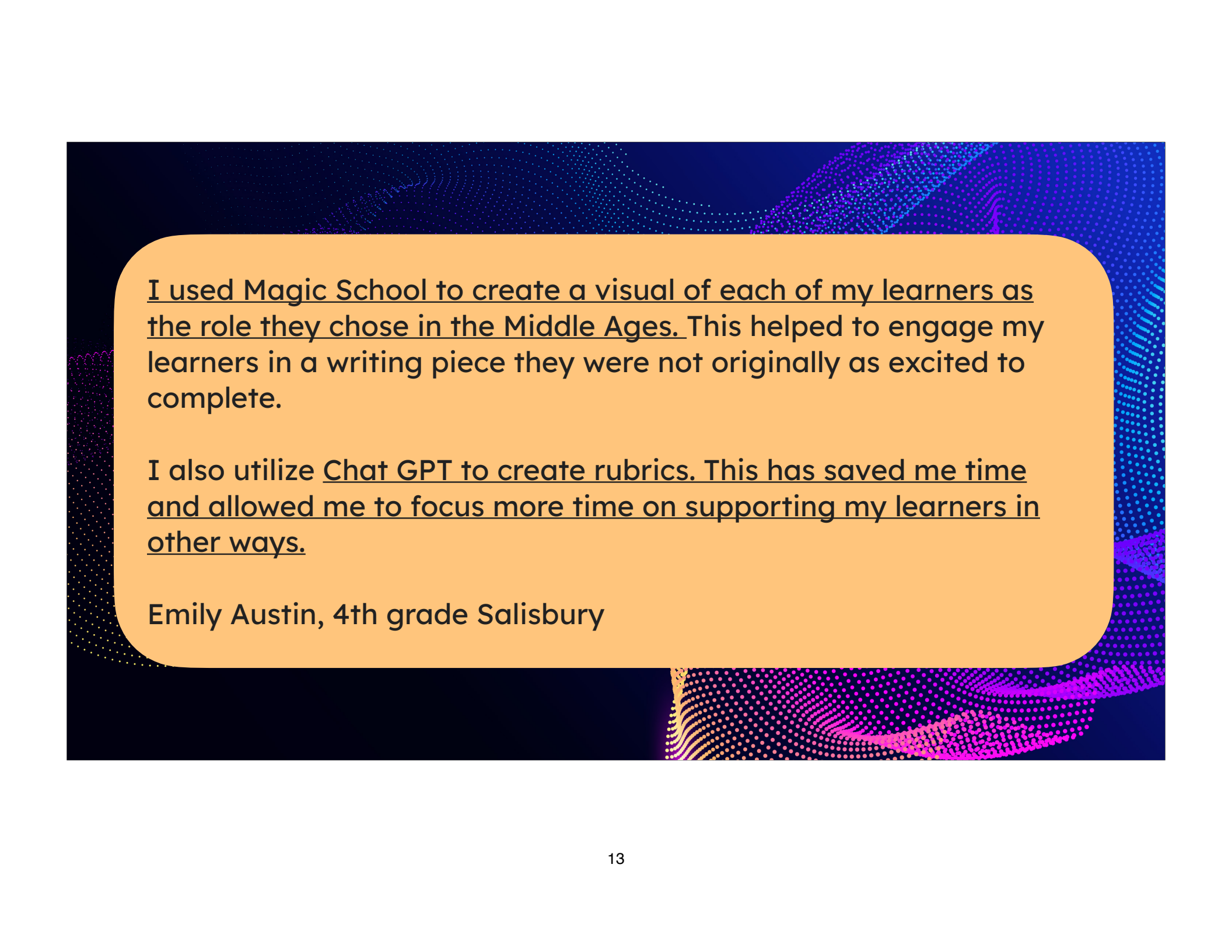
Over the past couple of months, I have been using AI to assist 6th grade learners in career and college awareness. Combining our career platform, Xello, and SchoolAI/MagicSchool AI, learners practiced engaging in conversations about college/career pathways, active listening, and resume' building. The use of AI assisted me in planning and assisting learners at an increased rate, as well as supporting the learners in developing more of an understanding about their First Choice Career.

Josh Whitelaw, Salisbury Counselor



I have been using AI in my classroom to help adapt and/or modify their work and assessments to give them support based upon their individual needs. It also is great to use for providing feedback on their grammar, style, and clarity, helping my learners to improve their writing skills. Additionally, I use AI to help me create rubrics for project-based learning so that my learners understand the expectations of the projects.

Holly Lerch, 6th grade Paradise



I used Magic School to create a visual of each of my learners as the role they chose in the Middle Ages. This helped to engage my learners in a writing piece they were not originally as excited to complete.

I also utilize Chat GPT to create rubrics. This has saved me time and allowed me to focus more time on supporting my learners in other ways.

Emily Austin, 4th grade Salisbury

English – I use AI for lesson planning by finding resources, differentiating texts, and creating exemplar essays. Learners engage with AI for revising writing, vocabulary challenges (Groovelit), and brainstorming; making it a game-changer in the classroom.

German – I use MagicSchool and Class Companion to create personalized learning experiences and give learners quick, effective writing feedback. AI tools help simulate conversations, support writing drafts, and teach kids how to use AI responsibly.

English – Our 7th and 8th grade English classes are engaged in an exciting Groovelit writing battle! Each day, learners receive a new prompt, write with real-time AI feedback, and refine their work before receiving a final score—right now, 7th grade is in the lead!

Driver's Ed – I use AI to present opposing viewpoints in discussion posts, prompting learners to engage in meaningful debates. After interacting with the AI chatbot, learners reflect on changes in their perspectives, fostering critical thinking.

Math – I use Edia to generate AI-powered math practice problems, giving learners instant feedback while tracking homework scores. For AP Calculus, I run AI study sessions on School.ai, where they receive personalized tutoring and problem-solving support.

English – I use Diffit and Magic School to create leveled texts and translations for ELL learners, making materials more accessible. Class Companion supports writing instruction by guiding learners through constructed responses and providing timely feedback for Keystone exam prep.

- Continue the exploration of AI tools and platforms - Learner and Facilitator uses
 - Schoology PowerBuddy, Apple Intelligence, Generative AI
- AI Literacy course development for PV MCL PL hours
- Build AI lessons for all grade levels to support facilitators in teaching acceptable and responsible use of AI tools
- AI Policy? - Extends beyond teaching & learning - hiring, operations, professional learning, etc.



NEXT
STEPS