

Technology and Adult Learning

Empowering Educators, Transforming Classrooms: MagicSchool AI in Adult Learning

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MagicSchool AI has emerged as a transformative force in education, offering a comprehensive suite of AI-powered tools that are reshaping how educators teach and students learn. This column explores MagicSchool AI's capabilities, applications, and implications specifically for adult education contexts, examining both its potential benefits and challenges.

What is MagicSchool AI?

MagicSchool AI is a leading generative AI platform designed for educators, schools, and students. Developed by educators for educators, the platform aims to help teachers reclaim valuable time, combat burnout, and elevate the art of teaching through AI-powered assistance. Currently used in nearly every U.S. school district and across 160 countries, MagicSchool AI provides a suite of over 80 AI-powered tools that assist with tasks ranging from lesson planning and assessment creation to individualized education plans and communication with students and families (MagicSchool, n.d.).

The platform distinguishes itself through its education-specific focus, having earned recognition for its privacy practices with a 93% privacy rating from Common Sense Privacy. MagicSchool AI operates as both a web-based platform and a Chrome extension, allowing educators to access its tools seamlessly within their existing digital workflows. Beyond supporting teachers, the platform has expanded to include MagicSchool for Students, designed to build AI literacy and bring responsible AI experiences directly to learners (MagicSchool, n.d.).

Features

MagicSchool AI offers an extensive array of features

designed to streamline educational workflows and enhance teaching effectiveness. At its core, the platform provides over 80 AI teacher tools that generate standards-aligned instructional content within minutes (MagicSchool, n.d.). These tools span the full spectrum of educational needs, organized into categories addressing different aspects of teaching:

Curriculum and Instruction Tools: The platform enables educators to generate standards-aligned lesson plans, create academic content, and develop comprehensive assessments for all subjects and grade levels. Specialized tools like the 5E Model Science Lesson Plan Generator and Choice Board Generator support diverse instructional approaches (Figure 1).

Differentiation and Support Tools: MagicSchool AI offers an Assignment Scaffolder, Accommodation Suggestion Generator, and tools for creating individualized education programs, allowing educators to tailor instruction to diverse learner needs.

Assessment and Feedback Tools: The platform includes rubric creators, assessment generators, and feedback tools that help educators evaluate student work efficiently while providing meaningful feedback (Figure 2).

Communication and Professional Development: Tools for drafting newsletters, parent communications, and recommendation letters streamline administrative tasks.

"Student Rooms" for flexible learning environments: MagicSchool AI's "student rooms" feature is designed to create interactive, flexible learning environments where adult learners can engage with a variety of AI-powered tools at their own pace, including custom chatbots, while educators monitor participation and progress in real time.

FIGURE 1



Writing Feedback
Based on a custom criteria, have AI give areas of strength & areas for growth on...





Worksheet Generator
Generate a worksheet based on any topic or text.





Lesson Plan
Generate a lesson plan for a topic or objective you're teaching.





Professional Email
Generate a professional email communication to colleagues and other...





Presentation Generator
Generate exportable slides based on a topic, text, YouTube video, or any upload...





Academic Content
Generate original academic content customized to the criteria of your choice.





Rubric Generator
Have AI write a rubric for an assignment you are creating for your class in a table...





Text Proofreader
Take any text and have it proofread, correcting grammar, spelling, punctuatio...





YouTube Video Questions
Generate guiding questions aligned to a YouTube video.





Informational Texts
Generate original informational texts for your class, customized to the topic of yo...





Text Dependent Questions
Generate text-dependent questions for students based on any text that you input.





IEP Generator
Generate a draft of an individualized education program (IEP) customized to a...





Email Family
Generate a professional email communication to families and translate...





Text Summarizer
Take any text and summarize it in whatever length you choose.





Email Responder
Generate a customized professional email communication in response to an email th...





Text Translator
Take any text and translate it into any language instantly.





Song Generator
Write a custom song about any topic to the tune of the song of your choice!





Text Leveler
Take any text and adapt it for any grade level to fit a student's reading level / skills.





Unit Plan Generator
Generate a draft of a unit plan based on topic, standards and objectives, and leng...





Math Story Word Problems
Write a custom math word / story problem based on the concept you're teaching an...





5E Model Lesson Plan
Generate a 5E model lesson plan for your science class. Engage, Explore, Explain,...





(MagicSchool AI, n.d.)

FIGURE 2

Rubric Generator
Have AI write a rubric for an assignment you are creating for your class in a table format.

Grade level: *
4th grade

Point Scale: *
3

Standard / Objective: *
Arizona Adult Education ELPS Standard 2 – "An ELL can participate in written exchanges to express and support opinions, provide information, and describe experiences."

Assignment Description: *
Students will write a short paragraph (5–7 sentences) expressing their opinion on a familiar topic (e.g., "Do you prefer living in a city or in the countryside?"). They must clearly state their opinion, provide at least one reason, and use appropriate transition words (e.g., because, also, for example). This assignment reinforces paragraph structure, opinion writing, and coherence.

Additional Customization for Rubric (Optional):
Emphasize the use of transition words and clear topic sentences.
Focus on grammar accuracy at a sentence level, such as subject-verb agreement and use of common verb tenses.



4th Grade Opinion Writing Rubric: Expressing and Supporting Opinions with Transitions

Criteria	3 - Meets Expectations	2 - Approaching Expectations	1 - Needs Improvement
Opinion Statement	Clearly states an opinion on the topic at the beginning.	States an opinion but it is unclear or not at the start.	Does not state a clear opinion or it is missing.
Supporting Reason	Provides at least one clear reason supporting the opinion.	Provides a reason but it may be unclear or weakly connected.	No reason or the reason does not support the opinion.
Use of Transition Words	Uses appropriate transitions (because, also, for example) to connect ideas smoothly.	Uses some transition words but they may be used incorrectly or missing in places.	Rarely or never uses transition words, or they are incorrect.
Paragraph Structure & Coherence	Writes 5–7 sentences with clear beginning, middle, and end. Paragraph is easy to follow.	Writes fewer than 5 sentences or ideas are somewhat unclear or disconnected.	Paragraph is too short or very hard to understand.
Grammar Accuracy	Sentences show correct subject-verb agreement and common verb tenses.	Some errors in subject-verb agreement or verb tenses that do not distract much.	Frequent grammar errors that make sentences hard to understand.

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(Figure 3). When an instructor sets up a student room, they can select from a broad array of pre-configured AI tools or create a customized experience tailored to specific course objectives:

- **Raina for Students:** A safe, responsible AI chatbot that guides learners through questions, explanations, and practice exercises, helping them review and master course content.
- **AI Resource Bot:** Allows students to ask questions and receive instant, contextually relevant answers, drawing from uploaded documents or course materials.
- **Character Chatbot:** Enables learners to “chat” with historical figures, authors, or fictional characters, making lessons more engaging and memorable.
- **Writing Feedback:** Gives students actionable feedback on their written work, helping them improve clarity, argumentation, and structure.
- **Quiz Me! and Study Bot:** Tools for self-assessment and review, generating practice questions and study guides based on current topics.

FIGURE 3

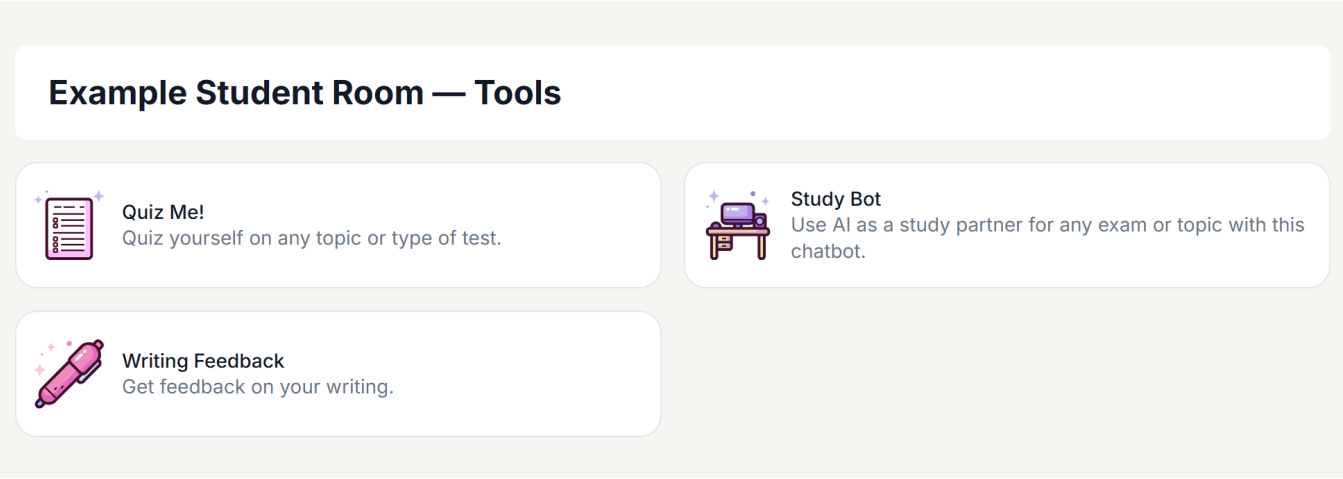
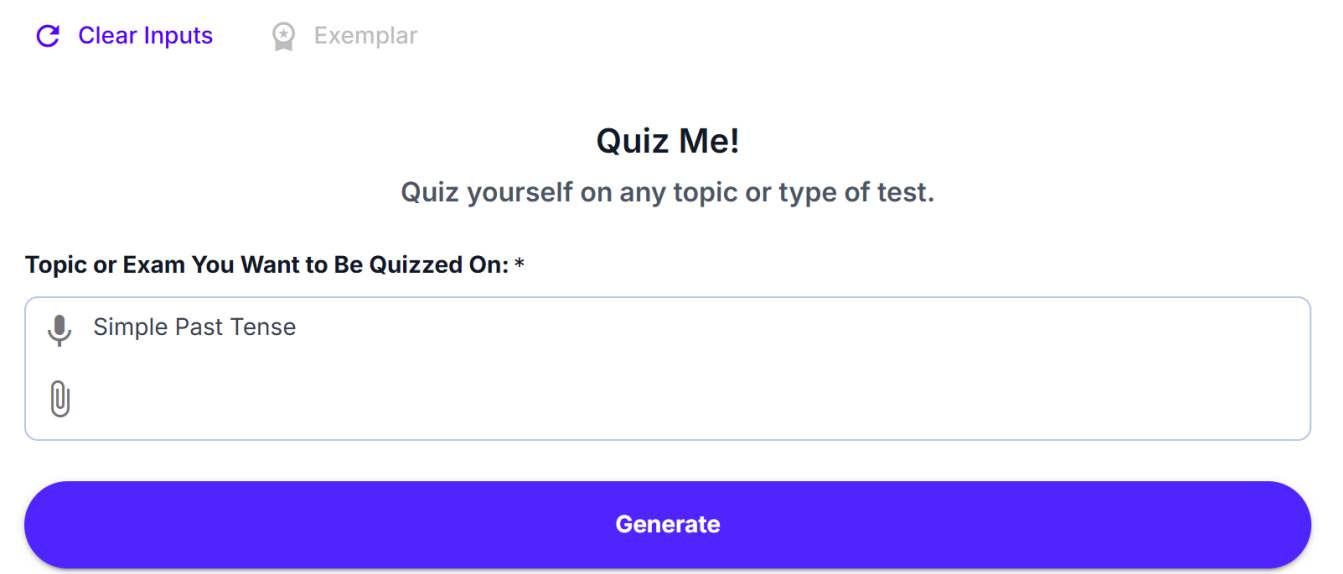
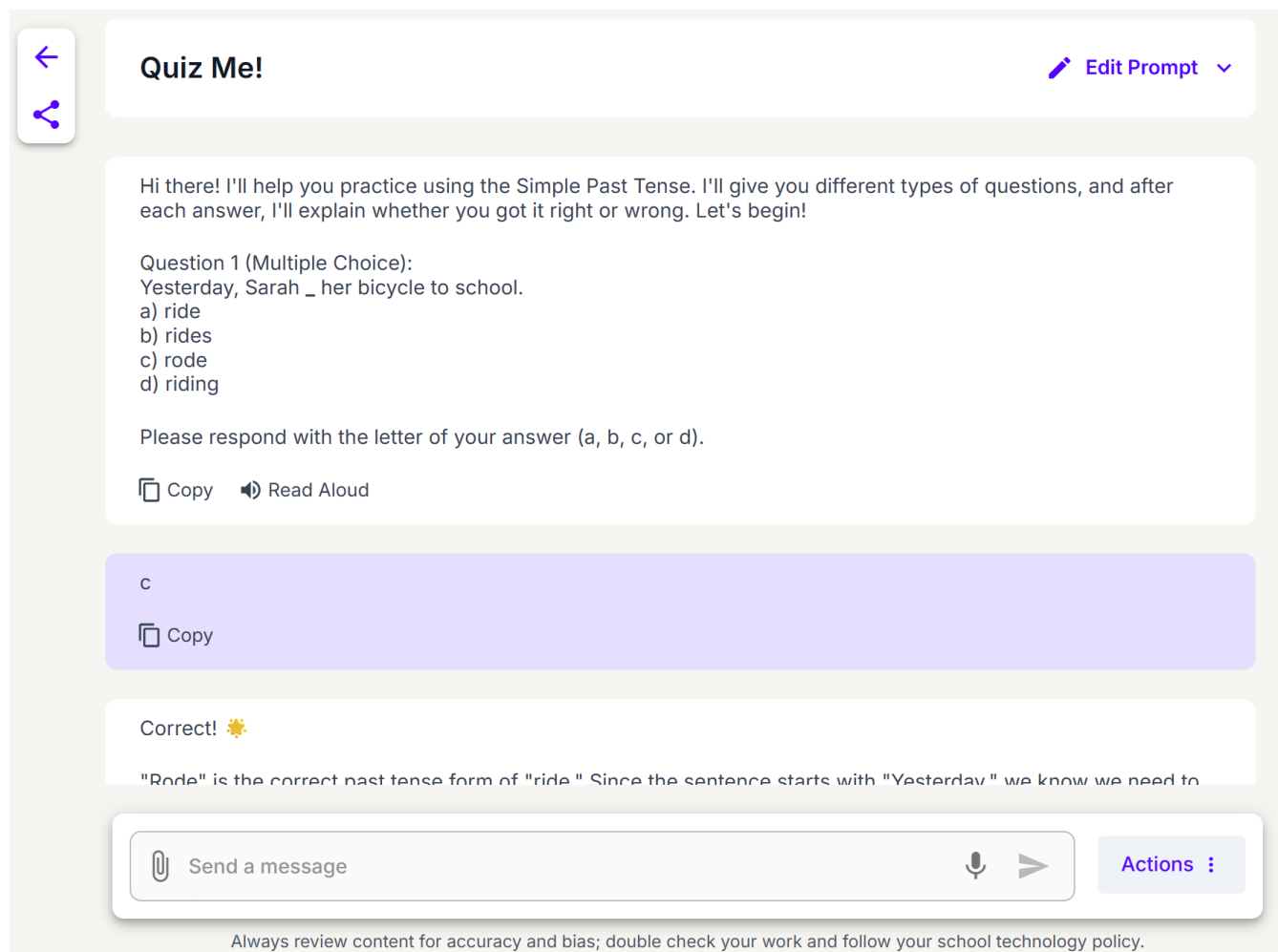


FIGURE 4: “Quiz Me!” tool





Quiz Me! Edit Prompt

Hi there! I'll help you practice using the Simple Past Tense. I'll give you different types of questions, and after each answer, I'll explain whether you got it right or wrong. Let's begin!

Question 1 (Multiple Choice):
Yesterday, Sarah _ her bicycle to school.
a) ride
b) rides
c) rode
d) riding

Please respond with the letter of your answer (a, b, c, or d).

Copy Read Aloud

c

Copy

Correct! 🌟

"Rode" is the correct past tense form of "ride." Since the sentence starts with "Yesterday," we know we need to

Send a message Actions

Always review content for accuracy and bias; double check your work and follow your school technology policy.

Integration capabilities are another key feature, with MagicSchool AI connecting seamlessly to learning management systems like Google Classroom, Canvas, and Schoology (MagicSchool, n.d.). The platform also prioritizes security through built-in safeguards, which highlight potential bias, emphasize factual accuracy, and protect personally identifiable information (MagicSchool, n.d.).

How MagicSchool AI Addresses Teaching Challenges in Adult Education

AI technologies, including MagicSchool AI, are increasingly recognized as vital for transforming adult education by enabling personalized learning, adaptive content, and efficient instructional support (Kang, 2023; Storey & Wagner, 2024). Adult learners often face time constraints, diverse educational backgrounds, and specific career-

related learning goals. MagicSchool AI's adaptive tools and content generation capabilities allow educators to tailor instruction to these unique needs, supporting the self-directed and experiential nature of adult learning (Storey & Wagner, 2024).

In China, for instance, AI has helped actualize personalized learning and precision education, transforming adult learning resources and environments into open, intelligent systems (Kang, 2023). MagicSchool AI's tools can similarly help adult educators create relevant, real-world learning experiences and facilitate the shift in educator roles from content deliverers to learning facilitators.

Furthermore, the integration of AI in adult education requires continuous professional development for educators to adapt to new technologies and pedagogical models (Osolase et al., 2024; Storey & Wagner, 2024). Human resource development perspectives emphasize the importance of upskilling both educators and learners

to maximize the benefits of AI and ensure a smooth transition to technology-enhanced adult education (Osolase et al., 2024).

While MagicSchool AI was not explicitly designed for adult education, its features align well with the unique challenges faced in this educational context. Adult learners often have distinct needs and challenges compared to K-12 students, including time constraints due to work and family commitments, diverse educational backgrounds, and specific learning goals tied to career advancement or personal development (Rosa et al., 2022).

The platform's emphasis on personalized learning experiences directly addresses a fundamental principle of andragogy, the theory and practice of adult education. As Storey and Wagner (2024) suggest, effective technologies for adult learners must align with andragogical principles that emphasize self-direction and experiential learning. MagicSchool AI's adaptive tools allow educators to tailor content and approaches to individual learner needs and goals, supporting the self-directed nature of adult learning (Storey & Wagner, 2024).

For adult educators facing time constraints and high student-to-teacher ratios, MagicSchool AI's efficiency tools offer significant advantages. By automating routine tasks like assessment creation and feedback generation, the platform enables instructors to allocate more time to direct engagement with learners, addressing the need for meaningful instructor-student interaction in adult education settings (Oyebamiji & Ezeala, 2024).

Additionally, adult education often requires contextualized learning that connects directly to real-world applications. As outlined in research on adult edtech effectiveness, applicable edtech must be designed with the users in mind and align with career pathways and credentials (Storey &

Wagner, 2024). MagicSchool AI's content generation tools can create materials contextualized to specific industries, career paths, or practical applications, making learning more relevant for adult learners.

The platform also addresses the increasing need for digital literacy in adult education programs. As Oyebamiji and Ezeala (2024) emphasize, digital literacy and its implications for sustainable adult education in the 21st century require tools that not only teach content but also build technological fluency. By integrating AI literacy into the learning experience, MagicSchool AI helps prepare adult learners for technology-driven workplaces.

Real-Life Applications of MagicSchool AI

MagicSchool AI offers adult educators a flexible toolkit to address a range of classroom scenarios and learner needs. Here are several tangible examples of how adult educators can leverage their features for impactful instruction:

1. Personalized Lesson Planning for Workforce Skills

An adult educator teaching a workforce development course can use MagicSchool AI's lesson plan generator to quickly create lessons tailored to specific industries, such as healthcare, manufacturing, or customer service (Figure 5). By inputting relevant job scenarios or required competencies, the educator can generate standards-aligned lesson plans that focus on practical skills, such as resume writing, workplace communication, or safety protocols. This ensures instruction is directly relevant to learners' career goals and can be easily adapted for different class levels or backgrounds.

FIGURE 5: Lesson Plan Generator Lesson Example

Lesson Plan

Generate a lesson plan based on a standard, topic, or objective.

Grade level: *

4th grade

Topic, Standard, or Objective: *

Students will be able to identify and describe common symptoms (e.g., fever, headache, cough) and ask/respond to questions about their health during a medical appointment.

ELPS Standard Alignment:

ELPS Standard 3: An ELL can speak and listen in conversation and group discussions.

ELPS Standard 4: An ELL can speak and write about a variety of topics using connected sentences.

Get Help With Prompt

Additional Criteria:

when I ____.”)

Assessment: Short oral performance and a matching worksheet with symptoms and treatments

Culturally responsive content (e.g., acknowledging traditional remedies in students' home cultures)

Get Help With Prompt

Standards Set to Align to:

Arizona Adult Education English Language Proficiency Standards (ELPS)

NRS ESL Educational Functioning Level Descriptors – particularly for Level 4 (Low Intermediate ESL)

Web Search

Generate

Lesson Generated by MagicSchool AI:

Understanding and Describing Common Health Problems

LEARNING OBJECTIVE:

Students will be able to identify and describe common symptoms (e.g., fever, headache, cough) and ask/respond to questions about their health during a medical appointment.

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ASSESSMENTS:

Short oral performance and a matching worksheet with symptoms and treatments.

KEY POINTS:

- Common health problems and their symptoms (fever, headache, cough).
- Vocabulary related to medical appointments.
- Sentence frames for describing symptoms (e.g., “I have a _” / “It hurts when I _”).
- Importance of communicating health concerns clearly.
- Cultural acknowledgment of traditional remedies.

OPENING:

- Begin with a question: “What do you say when you feel sick?”
- Show images of common symptoms (e.g., a person with a headache).
- Engage students in a brief discussion about their experiences with health problems.

INTRODUCTION TO NEW MATERIAL:

- Introduce vocabulary using flashcards for symptoms and treatments.
- Play an audio recording of a patient-doctor dialogue; students listen for key symptoms mentioned.
- Discuss the importance of expressing health concerns clearly and respect for cultural remedies.
- Anticipate the misconception that all symptoms can be described with one word.

GUIDED PRACTICE:

- Conduct a role-play activity where students practice asking and responding about symptoms using sentence frames.
- Provide examples of questions and responses, such as “What hurts?” and “I have a cough.”
- Monitor student performance by listening to their dialogues and providing feedback.

INDEPENDENT PRACTICE:

- Distribute a matching worksheet with symptoms and treatments for students to complete individually.
- Set expectations for quiet work time, encouraging students to refer to vocabulary flashcards as needed.

CLOSING:

- Review the key vocabulary and concepts learned during the lesson.
- Ask students to share one thing they learned about communicating health issues.

EXTENSION ACTIVITY:

- For students who finish early, create a health problems poster where they illustrate and label symptoms and treatments.

HOMEWORK:

- Ask students to interview a family member about a common health problem and report back on the symptoms and any traditional remedies mentioned.

STANDARDS ALIGNED:

- Arizona Adult Education English Language Proficiency Standards (ELPS) Standard 3: An ELL can speak and listen in conversation and group discussions.
- NRS ESL Educational Functioning Level Descriptors – Level 4 (Low Intermediate ESL).
- College and Career Readiness Standards (CCRS) – ELA Anchor Standards for Speaking and Listening

(MagicSchool AI, n.d.).

2. Differentiated Assignments for Multilevel Literacy

In a basic literacy or ESL class, adult educators often face a wide range of reading abilities. MagicSchool AI’s text leveling and scaffolding tools allow the instructor to take a workplace memo, news article, or safety manual and instantly generate versions at

multiple reading levels (Figure 6). The educator can then assign the appropriate version to each learner, ensuring that everyone can access the same core content while working at a comfortable challenge level. This supports differentiated instruction and helps all learners make progress, regardless of their starting point.

FIGURE 6: Text Scaffolder Example

Text Scaffolder

Scaffold text for readers who are behind grade level or need extra support.

Grade level: *

4th grade

Number of Literal Questions to Ask: *

3

Maximum Vocabulary Words to Define: *

5

Original Text: *

The only disadvantages of forming a formal legal structure are cost and maintenance. For a profitable business, these disadvantages are outweighed by financial and legal advantages.

Advantages of Formal Business Structures:
Personal Liability Protection. Formal business structures like LLCs and corporations provide personal liability protection. This means your personal assets (car, house, bank account) are protected in the event your business is sued or if it defaults on a debt.

Tax Benefits. Formal business structures like LLCs and corporations have options to customize their tax structure. This allows businesses to use the best tax strategy for their circumstances.

Growth Potential. Formal business structures like LLCs and corporations can grow in profit and risk because

Generate

Scaffolded Text Generated by MagicSchool AI:

Vocabulary:

1. Disadvantages: Things that are not helpful or beneficial; negative aspects.
2. Liability: Legal responsibility for something, usually involving financial obligation.
3. Protection: Keeping something safe from harm or danger.
4. Credibility: The quality of being trusted and believed in; reliability.
5. Marketability: How easy it is to sell something or how appealing it is to consumers.

Questions:

1. What are the two disadvantages mentioned in the text about forming a formal legal structure for a business?
2. How does a formal business structure provide personal liability protection?
3. Why might having a formal business structure help a business earn more consumer trust?

(MagicSchool AI, n.d.).

3. Automated Assessment and Feedback

Assessment is crucial in adult education, especially for programs tied to certifications or measurable outcomes. An instructor preparing learners for the GED or a workplace credential can use MagicSchool AI to generate quizzes, comprehension questions, and rubrics aligned with specific learning objectives. After learners complete assignments, the platform's feedback tools can provide individualized, actionable feedback, saving the educator hours of grading time and ensuring learners receive timely guidance on their strengths and areas for improvement.

4. Translation and Multilingual Support

In classes with multilingual learners, MagicSchool AI's translation tools can quickly convert instructional materials, handouts, or assessments into multiple languages. This ensures equitable access for English language learners and supports inclusive classroom environments, particularly in community-based or immigrant education programs.

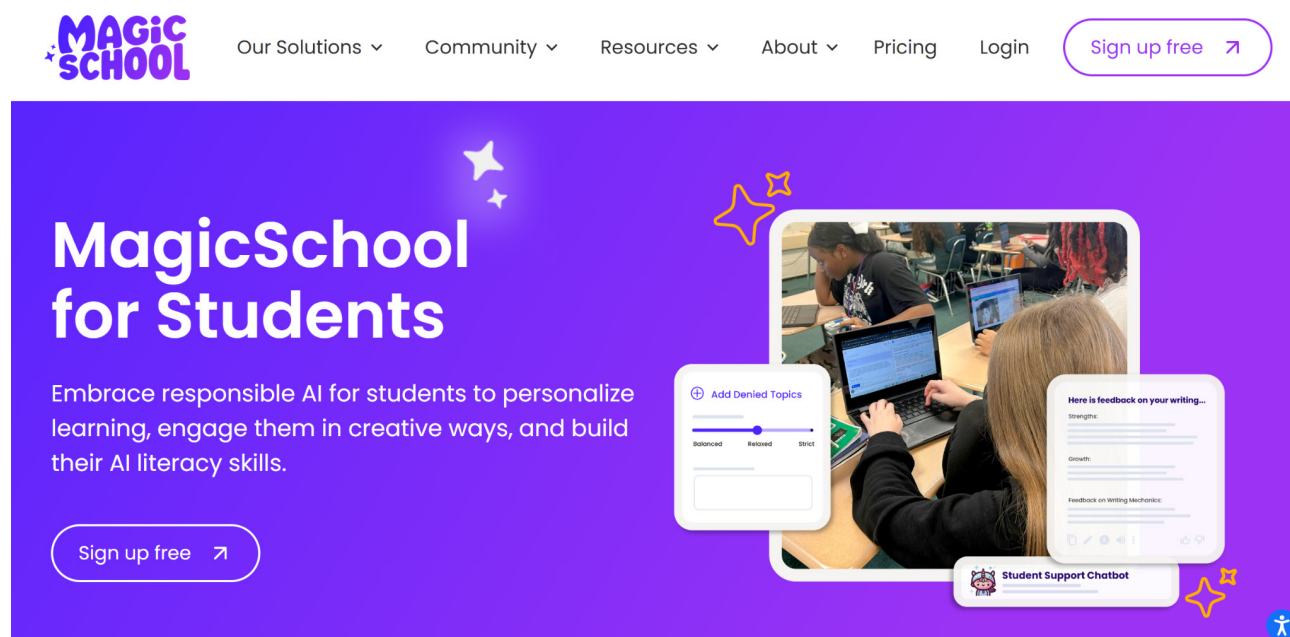
5. Real-Time Adaptation During Class

Suppose an educator notices that a lesson isn't resonating or a concept needs reinforcement. In that case, they can use MagicSchool AI during class to instantly generate additional examples, analogies, or practice exercises. For instance, in a financial literacy class, the instructor might ask the AI to create new budgeting scenarios or role-play scripts based on learner feedback or questions that arise during discussion.

6. Building Digital and AI Literacy

MagicSchool for Students can be used to introduce adult learners to responsible AI use, critical thinking about digital information, and foundational technology skills (Figure 7). For example, the educator might set up an AI-powered virtual field trip or a choose-your-own adventure scenario to build engagement and digital confidence, helping learners navigate technology-rich workplaces and communities.

FIGURE 7



By integrating MagicSchool AI in these concrete ways, adult educators can save time, personalize instruction, foster learner autonomy, and better prepare students for real-world challenges. These applications demonstrate how AI can serve as a practical partner in meeting the diverse and evolving needs of adult learners.

Benefits of Using MagicSchool AI

Time Efficiency: MagicSchool AI's primary advantage lies in its ability to save educators significant time by automating routine tasks such as lesson planning, assessment creation, and administrative communications. This efficiency is especially valuable in adult education, where instructors often juggle multiple courses or part-time roles, allowing them to focus more on meaningful learner engagement and support (Storey & Wagner, 2024).

Personalized Learning: Another key benefit is the platform's capacity for personalized learning at scale. MagicSchool AI's differentiation tools enable educators to tailor instruction for diverse groups of adult learners, accommodating variations in background, skill level, and learning goals. This aligns with global trends in adult education, where precision education and individualized pathways are increasingly prioritized (Kang, 2023; Storey & Wagner, 2024).

Enhanced Accessibility: This is enhanced through MagicSchool AI's ability to generate materials in multiple formats and reading levels. This supports learners with disabilities, English language learners, and those with varying literacy skills, populations often represented in adult education programs.

Promoting Digital Literacy: The platform also promotes digital literacy, not just for students but for educators as well. By integrating AI into instructional practice, MagicSchool AI helps both groups build essential technological fluency, preparing them for the demands of a digital workplace and society (Osolase et al., 2024).

Continuous Improvement: MagicSchool AI's analytics and data-driven insights allow educators to monitor learner progress and target support where it is most needed. This evidence-based approach supports continuous improvement and accountability, which are critical in adult education.

Flexible Integration: The platform's seamless integration with widely used learning management systems minimizes the barriers to adoption, making it easier for adult education programs to incorporate AI without overhauling existing workflows.

Challenges of Using MagicSchool AI

Despite these strengths, several challenges complicate the effective use of MagicSchool AI in adult education:

- **Digital Divide:**

A significant concern for technology implementation in adult education is uneven access to devices and internet connectivity. As Kumar Nigam (2024) notes, financially marginalized communities often face barriers to technology access that can exacerbate educational inequities. Some potential solutions include partnering with local libraries, community centers, and nonprofits to provide loaner devices and offer free or low-cost internet access. Offer blended learning options that combine online and in-person instruction, and advocate for digital equity initiatives to ensure all learners have the necessary tools and resources.

- **Adapting Content for Adult-Specific Contexts:**

MagicSchool AI is primarily designed for K-12, so materials may not always be relevant or engaging for adult learners. Instructors must often modify or supplement AI-generated content to ensure it aligns with adult interests, NRS levels, and career goals. As emphasized in research on adult edtech, there is no one-size-fits-all solution for adult education and tools should be adaptable to fit particular curricular needs and contexts (Rosa et al., 2022). A potential solution to this is to review and adapt AI-generated materials to fit adult contexts better. Involve adult learners in co-creating or providing feedback on content to increase relevance and engagement.

- **Professional Development Needs:**

While effective integration of MagicSchool AI into adult education may benefit from targeted professional development, it's worth noting that the platform is designed to be accessible to educators of all levels of tech comfort. Educators can begin by informally exploring the tool, experimenting with features, browsing templates, and trying out use cases. For those looking to deepen their practice, professional learning opportunities such as hands-on workshops, peer mentoring, or self-paced online courses can further enhance implementation. Building communities of practice around AI integration can also support sustained learning and collaboration (Tare & Shell, 2019). This flexible approach allows both

cautious explorers and early adopters to benefit from the platform, whether dabbling or diving in.

- **Maintaining Human Connection:**

A critical consideration in adult education is maintaining meaningful instructor-student relationships that support adult learners' motivational needs. As education becomes increasingly technology-mediated, educators must be intentional about preserving the human elements of teaching that foster engagement and persistence among adult learners (Storey & Wagner, 2024). Balance AI use with regular face-to-face or virtual interactions, group discussions, and mentoring. Use AI for routine tasks, but reserve important relational and motivational activities for human educators.

- **Subscription for Advanced Features:**

While MagicSchool AI offers a robust free plan with access to many essential tools, some advanced features such as unlimited generations, full access to Raina's prompts, unlimited student rooms, and seamless LMS integrations, require a paid subscription. For individual educators, MagicSchool Plus costs \$12.99 per month or \$99.96 per year (MagicSchool, n.d.). Although this is significantly less than many competing AI platforms, it may still be a barrier for educators or institutions with limited budgets, especially in adult education settings where funding can be constrained. Educators and institutions can maximize the use of the free plan for core needs and advocate for institutional or district-level adoption to access group pricing and additional support. Many schools and districts are eligible for volume-based discounts or customized enterprise plans, which may include professional development and dedicated support (MagicSchool, n.d.). Additionally, sharing resources and pooling subscriptions among colleagues can help reduce individual costs, while open communication with administrators about the platform's benefits can encourage broader investment in AI tools for adult education.

- **Ethical and Privacy Considerations:**

Although MagicSchool AI emphasizes privacy protection with its 93% privacy rating, adult education programs must carefully consider data handling practices and ensure compliance with institutional policies and learner expectations regarding personal

information (Storey & Wagner, 2024). Implement robust data governance policies, ensure transparency and informed consent, and regularly audit AI tools for bias and data security. Provide learners with options to opt out of data sharing where possible.

- **Environmental Impact:**

Another important consideration in adopting AI tools, including MagicSchool AI, is their environmental impact. AI models require substantial computational resources, contributing to high energy consumption and associated carbon emissions. While this is not unique to MagicSchool AI, it is a broader concern in the field of educational technology. To mitigate this impact, educators can take simple steps like batching AI tasks into a single session or using lighter features such as pre-built templates and quick-edit tools. These small adjustments can make a meaningful difference.

Conclusion

MagicSchool AI exemplifies the opportunities and complexities of integrating AI into adult education. Its comprehensive toolset can transform instructional practices, foster personalized learning, and reduce administrative burdens. However, successful adoption depends on addressing challenges related to access, content relevance, educator training, and ethical considerations.

The future of adult education lies in strategic collaboration, continuous upskilling, and thoughtful adaptation of AI tools to local contexts (Kang, 2023; Osolase et al., 2024; Storey & Wagner, 2024). MagicSchool AI, when implemented with these principles in mind, has the potential to empower educators and learners alike: preparing them for the demands of a rapidly evolving, technology-driven world.

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