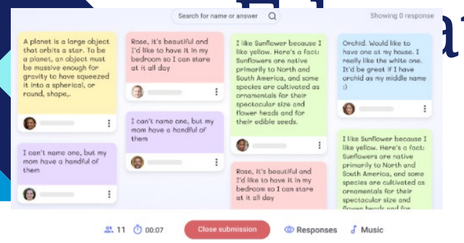
How Does AI Enhance Student Engagement In Primary Education And Its Impact On The Learning Experience?

Action research by Claire Hooker Deira International school



Custom Chatbot
Create a custom chatbot to interact with based on any criteria that you choose!

MAGIC SCHOOL

CEAR
Centre for Education Action Research

Al-Futtaim Education Foundation

Introduction

Artificial intelligence (AI)-driven collaborative learning systems are transforming education by enhancing student engagement and personalizing learning. Engagement and interaction are critical for academic progress, enabling discussion, exploration, and deeper understanding. This research explores how AI impacts student engagement and learning outcomes in primary education.

MagicSchool.ai offers AI-powered tools that promote interactive learning and AI literacy. Its seamless integration into existing frameworks supports both independence and engagement. Likewise, ClassPoint fosters participation through collaborative activities—quizzes, polls, and idea-sharing—and enables real-time formative assessment. By encouraging peer-to-peer learning and discussion, ClassPoint helps create a dynamic, inclusive classroom environment.

Rationale

This study examines the role of MagicSchool.ai and ClassPoint in promoting active learning and improving educational outcomes. Findings underscore the value of interactive teaching in sustaining engagement, building independence, and advancing educational technology research. Existing literature supports these findings.

ClassPoint

Classroom discussions enhance comprehension, critical thinking, and achievement (Dawes, 2004; Howe et al, 2019; Alexander, 2017), though they may be hindered by shyness, poor preparation, weak planning, fear of negative evaluation, and unsupportive environments (Davis, 1993; Brookfield & Preskill, 1999; Morek, Heller & Kinalzik, 2022). Students who don't participate may be perceived as less competent, reducing engagement.

Methodology

Teachers used ClassPoint across subjects to deliver varied activities and enable quick, targeted intervention. In writing lessons, AI chatbots supported independent research, questioning, and editing. At term's end, a Microsoft survey gathered student reflections on the tools' impact.

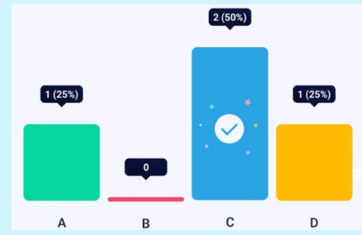
Analysis & Results

Key findings:

- 94% of students enjoyed using AI
- 95% said it made learning easier.40% said ClassPoint improved their learning by enhancing focus, providing instant feedback, enabling peer learning, and introducing new strategies.
- 36% valued sharing ideas with peers.
- 40% found MagicSchool.ai chatbots helpful for improving their writing during editing.
- 79% rated ClassPoint 8–10/10; 71% rated MagicSchool.ai the same grade
- 27% felt AI tools improved their workflow and helped showcase their ability.

Conclusion

These results align with Nasser (2024) and Banuchittara et al. (2024), who found AI enhances engagement in primary classrooms. Holmes et al. (2019) similarly concluded that AI fosters active participation, and Yassen et al. (2025) highlighted its role in promoting interactive, inclusive learning.



Reflections

To deepen future research, I plan to implement structured pre-, mid-, and post-interviews and questionnaires. Expanding the study across a full academic year, with a larger, multi-year-group sample and teacher input, will strengthen reliability and provide a fuller picture of ClassPoint and MagicSchool.ai's impact on engagement and learning.

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

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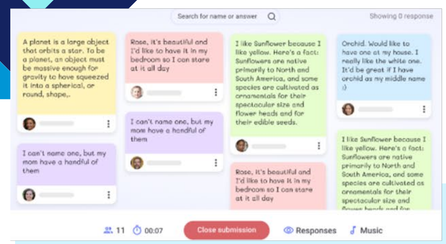

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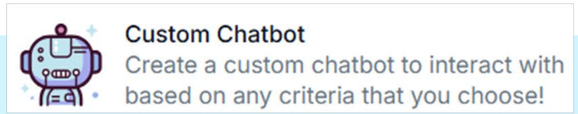

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