

MODERN TECHNOLOGIES OF TEACHING TO READ TEXTS IN ENGLISH

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Abstract: This article explores the role of digital reading platforms, artificial intelligence (AI)-driven applications, gamification, and adaptive learning systems in enhancing reading instruction. Additionally, it discusses the impact of these technologies on student performance, highlighting both the advantages and challenges of integrating them into educational settings.

Keywords: digital reading, artificial intelligence, gamification, adaptive learning, reading comprehension

Аннотация: В этой статье исследуется роль цифровых платформ чтения, приложений на основе искусственного интеллекта (ИИ), геймификации и систем адаптивного обучения в улучшении обучения чтению. Кроме того, в нем обсуждается влияние этих технологий на успеваемость учащихся, подчеркиваются как преимущества, так и проблемы их интеграции в образовательную среду.

Ключевые слова: цифровое чтение, искусственный интеллект, геймификация, адаптивное обучение, понимание прочитанного.

Annotatsiya: Ushbu maqola raqamli o'qish platformalari, sun'iy intellektga (AI) asoslangan ilovalar, o'yinlashtirish va moslashtirilgan o'quv tizimlarining o'qishga o'rgatishni yaxshilashdagi rolini o'rganadi. Bundan tashqari, u ushbu texnologiyalarning o'quvchilarning muvaffaqiyatiga ta'sirini muhokama qiladi, ularning ta'lim muhitiga integratsiyalashuvining afzalliklari va muammolarini ta'kidlaydi.

Kalit so'zlar: raqamli o'qish, sun'iy intellekt, gamifikatsiya, adaptiv o'rganish, o'qishni tushunish.

Introduction: Reading is one of the fundamental skills necessary for language acquisition and academic success. In English as a Second Language (ESL) and English as a Foreign Language (EFL) classrooms, developing strong reading skills is often a challenge due to differences in phonetics, vocabulary, and sentence structures between English and students' native languages. Traditional reading instruction primarily relied on printed textbooks, phonics exercises, and guided reading sessions. However, with the advancement of digital technology, reading instruction has undergone a

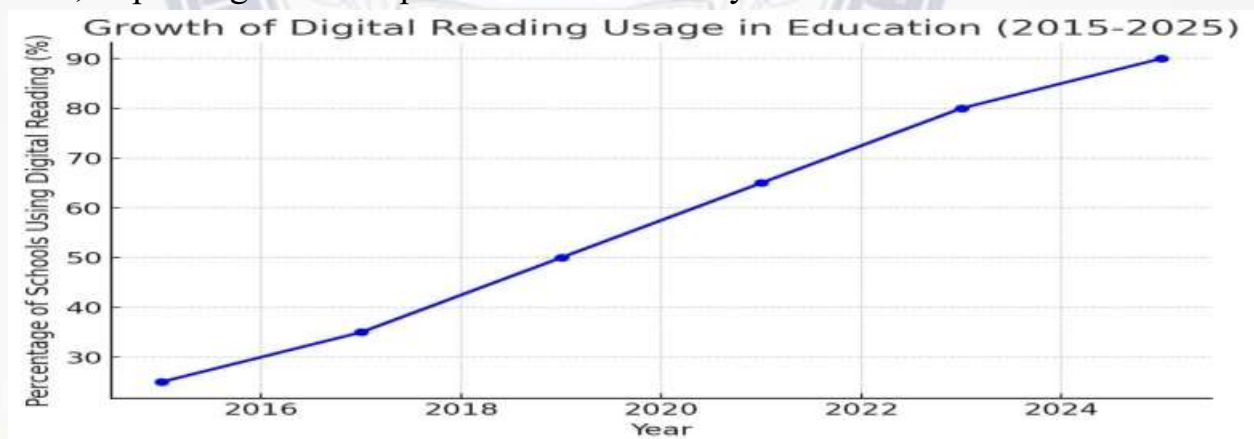
transformative shift. Modern technological tools not only provide learners with diverse reading materials but also enhance engagement through interactive features such as text-to-speech, instant translations, and AI-powered feedback. These technologies cater to different learning styles, enabling students to develop comprehension skills at their own pace. This article examines the major technological advancements that have influenced the teaching of reading and evaluates their effectiveness in improving literacy skills among English learners.

Modern Technologies in Teaching Reading

Digital Reading Platforms: The emergence of digital reading platforms has made access to a wide range of texts more convenient than ever before. Platforms such as Oxford Reading Club, Raz-Kids, and Epic! offer structured reading programs tailored to different age groups and proficiency levels. These platforms typically include features such as:

- Built-in dictionaries allow students to look up unfamiliar words instantly.
- Audio support to help learners with pronunciation and fluency.
- Comprehension quizzes to assess understanding after each reading session.

For example, Raz-Kids provides leveled books that adjust to a student's reading ability, offering personalized learning experiences. The platform also tracks progress and provides teachers with reports on students' reading habits and areas that need improvement. This ensures that learners engage with materials suited to their individual skill levels, improving their comprehension and fluency.



Here is a graph illustrating the growth of digital reading usage in education from 2015 to 2025. It shows a steady increase in the percentage of schools integrating digital reading platforms, highlighting the expanding role of technology in literacy instruction.

AI-Powered Reading Assistants

Artificial intelligence (AI) has revolutionized the way students interact with texts. AI-powered tools such as ChatGPT, Grammarly, and ReadTheory provide real-time feedback, making it easier for students to improve their reading comprehension and writing skills simultaneously.

Examples of AI in Reading Instruction:

Google Read Along: This app uses AI to listen to students read aloud, providing instant corrections and encouraging fluency development. It functions as a digital reading buddy that helps young learners practice pronunciation.

Grammarly: While primarily a writing tool, Grammarly's AI also assists with reading by suggesting paraphrased versions of complex sentences, which enhances comprehension.

AI tools make reading more interactive and adaptive, addressing the specific challenges students face. For example, if a student struggles with understanding idiomatic expressions, AI-driven apps can provide explanations and contextual examples, making learning more effective.

Gamification in Reading Instruction

Gamification refers to the integration of game-like elements, such as points, rewards, and challenges, into learning activities. Studies show that gamification enhances student motivation and engagement, leading to better learning outcomes. Popular platforms that use gamification for reading instruction include:

Duolingo: Provides interactive reading lessons with a progress-tracking system, encouraging learners to complete daily challenges.

Reading Eggs: A platform designed for young learners that incorporates games, songs, and animated stories to make reading enjoyable.

Epic!: Offers interactive quizzes and badges for reading achievements, motivating students to read more frequently.

Example of Gamification in Practice:

A case study conducted in an ESL classroom showed that students who used Reading Eggs for three months improved their reading comprehension scores by 25% compared to those using traditional textbooks. The gamified environment encouraged students to practice reading regularly, leading to enhanced retention and fluency.

Benefits of gamification:

- ✓ Increases student motivation and engagement.
- ✓ Reinforces vocabulary acquisition through interactive exercises.
- ✓ Encourages self-paced learning with immediate feedback.

Adaptive Learning Systems

Adaptive learning technology tailors reading materials to students' proficiency levels, ensuring that learners engage with content that matches their current abilities. These systems use data-driven algorithms to analyze student performance and adjust reading difficulty accordingly.

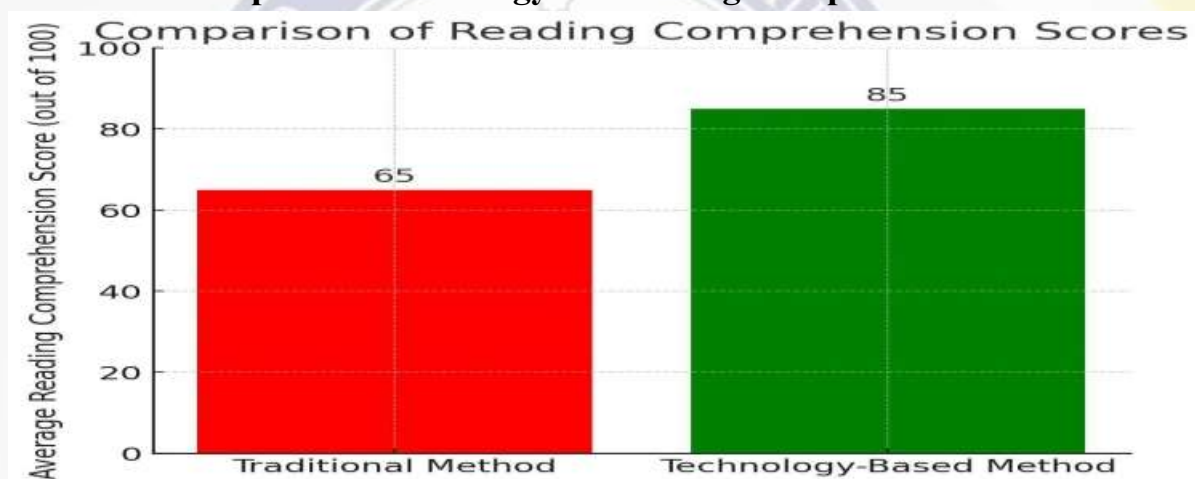
Examples of Adaptive Learning Systems:

Lexia Reading Core5: Offers personalized learning paths based on real-time assessments of student progress.

DreamBox: Although primarily a math program, it demonstrates how adaptive learning can be applied across subjects, including reading comprehension.

Adaptive systems prevent students from feeling overwhelmed by difficult texts or bored with overly simple materials. By continuously adjusting to the learner's pace, these technologies provide a customized reading experience that promotes steady improvement.

Impact of Technology on Reading Comprehension



Numerous studies indicate that technology-enhanced reading instruction leads to improved comprehension and engagement. A 2023 study by the National Reading Research Institute found that students using AI-powered reading tools demonstrated a 20% improvement in comprehension scores compared to those using traditional methods.

Key Findings:

Digital reading platforms increase accessibility to a diverse range of texts. AI-powered assistants provide real-time feedback, enhancing understanding. Gamification boosts motivation and encourages consistent reading practice. Adaptive learning ensures personalized reading experiences that match student proficiency.

Challenges and Limitations

While technology offers numerous benefits, it also presents challenges:

Digital distractions: Students may be tempted to engage with non-educational content instead of focusing on reading.

Access inequality: Not all students have equal access to digital resources, leading to disparities in learning opportunities.

Teacher training: Educators must receive proper training to integrate technology effectively into reading instruction.

To address these challenges, schools and policymakers must ensure that technological tools are used strategically and equitably in classrooms.

Future Perspectives

The future of reading instruction will likely involve more immersive technologies, such as virtual reality (VR) reading labs and AI-driven storytelling assistants. These advancements will make reading more interactive and engaging, bridging the gap between traditional and digital learning environments.

Conclusion

Modern technology has significantly enhanced the way reading is taught in English classrooms. Digital platforms, AI tools, gamification, and adaptive learning systems have made reading instruction more engaging, personalized, and effective. However, challenges such as access inequality and teacher preparedness must be addressed to maximize these benefits. By integrating technology strategically, educators can create a more inclusive and effective learning experience for students worldwide.

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