



SMART EDUCATION TECHNOLOGIES IN ENGLISH LESSONS DEVELOPMENT OF THE INTELLECTUAL POTENTIAL OF STUDENTS BASED ON SMART EDUCATION TECHNOLOGIES IN ENGLISH LESSONS

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Annotation

Young generations are considered as future of a nation. Therefore, developing the intellectual potential of students has become a primary goal of education in many countries. Technology, particularly the integration of SMART education technologies, has been explored as a means of achieving this goal. In English lessons, these technologies can be utilized in all language learning skills as well as in a variety of ways to enhance student learning and boost intellectual development. This article is written to highlight the necessity of SMART education technologies for teachers and students in teaching and learning foreign languages, especially English.

Key words: SMART education technologies, English, devices, AI, interactive, students, teachers

Smart education technologies are digital tools, devices, and platforms used to enhance the learning experience and deliver educational information in a smart and efficient way. These technologies may include LMS (Learning management system: software platforms that provide digital course materials, assignments, and assessments for students and teachers.), interactive whiteboards and projectors, educational apps and games, smart sensors and wearables, AI-powered chatbots, etc. SMART Education technologies can be used in many ways when teaching English, such as displaying visual aids and multimedia materials, facilitating individual and group activities, and providing students access to online learning resources. SMART Education technologies can help educators meet the learning needs of modern students and make learning English more engaging, interactive, and effective.

So, why do we need Smart Education Technologies in teaching English?

One of the many benefits of using SMART technology in the classroom is that it makes the learning experience more interactive and engaging. Students become active participants in their learning, as opposed to passive recipients of information. This is important for building critical thinking skills, which are integral to intellectual development. Smart education technologies offer interactive learning experiences with personalized content, adaptive learning, and real-time feedback. The SMART technology also allows teachers to tailor their English lessons to their students' individual needs and interests. This can be done by using educational apps and software that can assess students' strengths and weaknesses, and provide personalized feedback. In this way, students can focus on their areas of interest and work on improving their performance. Besides, they provide an efficient and effective way of delivering knowledge. This may save time for both students and teachers. Smart

education technologies have the potential to reach people regardless of their location, time-zone, or socio-economic background. Moreover, these technologies can be cost-effective due to lower infrastructure and operational costs.

Smart education technologies can help modernize traditional educational approaches and make them more dynamic, engaging, and fun. The use of digital tools like interactive whiteboards and tablets also provides students with opportunities to collaborate with their peers, communicate their ideas effectively and work on creative projects together. Such activities are essential for the development of social skills that play a crucial role in shaping the students' intellectual potential.

Additionally, SMART technologies make it possible for English teachers to create new and innovative approaches to teaching their subject. Video presentations, interactive games, online quizzes, and other technological resources can be utilized to stimulate student's minds and enhance their learning experience.

The latest kind of SMART education technologies is AI (Artificial Intelligence). AI technology is increasingly being used to enhance the teaching and learning of English, specifically as a SMART educational technology. Here are some examples of how AI is being utilized in English language education:

1. Automated grading: AI can be used to grade essays, providing quick and accurate feedback to students. Companies like Turnitin and Grammarly use AI to grade student essays and offer suggestions for improvement.
2. Personalized learning: AI-powered language learning platforms like Duolingo use adaptive algorithms to personalize lessons based on each student's strengths, weaknesses, and learning style.
3. Chatbots: AI-powered chatbots like Botsify and Engati can be used as virtual English tutors. These chatbots provide immediate feedback and answers to students' questions, making it easier for them to practice and improve their language skills autonomously.
4. Speech recognition: AI-based apps like Speechify and Lingmo can interpret and translate speech in real-time to help students improve their pronunciation and speaking skills.
5. Natural language processing: AI-powered tools like Readable.ai and Hemingway Editor can analyze and improve the readability of written texts, making it easier for students to understand and learn from English-language materials.
6. Language translation: AI-powered translation tools like Google Translate and DeepL can help students translate text from their native language into English and vice versa, making it possible for them to study English-language materials more effectively.

Overall, AI technology has tremendous potential to enhance the teaching and learning of English by providing personalized learning experiences, improving feedback mechanisms, and optimizing language practice opportunities.

One of the most beneficial sides of using SMART technologies in education can be observed in inclusive teaching. Smart technologies can provide equal learning opportunities for all students. Smart technologies can be adjusted to meet the diverse learning needs of students in an inclusive classroom. For example, interactive whiteboards can be used to display visuals, videos, and other learning materials in a large format, making it easier for students with visual impairments to view them.



Moreover, SMART technologies can promote engagement and motivation. Interactive smart technologies such as tablets, smartphones, and laptops offer students personalized and interactive ways of learning, increasing their engagement and motivation.

On the other hand, SMART technologies can offer real-time assessment. Smart education technologies can provide instant feedback to students and teachers, allowing for real-time assessment of student progress. Teachers can also use these technologies to evaluate the effectiveness of their teaching strategies and make necessary adjustments.

These technologies can facilitate differentiation. Smart technologies enable teachers to differentiate their instruction by customizing activities and materials to meet the unique needs of each student. This may include adapting lessons for students with learning disabilities, providing language support for English learners, or challenge activities for gifted students.

Smart technologies can improve communication. Smart technologies such as online discussion forums, group chats, and video conferencing can facilitate communication and collaboration between students and teachers, regardless of their geographical location or time zone.

These education technologies can support students with visual impairments. Smart technologies such as screen readers, braille displays, and voice recognition software can benefit students with visual impairments and help them access digital materials. Teachers can also use technologies such as interactive whiteboards to display large print materials and visual aids.

Besides, SMART education technologies can support students with hearing impairments. Smart technologies such as closed captions, transcripts, and sign language translation software can benefit students with hearing impairments and help them access digital materials. Teachers can also use video conferencing and real-time transcription technologies to facilitate communication between hearing-impaired students and teachers.

These technologies can support students with learning disabilities. Smart technologies such as speech recognition software, text-to-speech software, and interactive multimedia materials can benefit students with learning disabilities and help them access and interact with learning materials in their own way.

Smart education technologies can support students with mobility impairments. Smart technologies such as voice-activated devices, adaptive keyboards, and mobile devices can benefit students with mobility impairments and help them interact with digital materials.

Smart education technologies can support students with multiple disabilities. Advanced smart education technologies such as augmented and virtual reality can provide multisensory experiences, benefitting students with multiple disabilities by optimizing their unique sensory strengths and preferences.

The benefits of integrating SMART technology into English lessons have been well documented. Students who participate in these types of activities have demonstrated higher levels of engagement, improved language skills, and greater participation in class. They also exhibit higher levels of self-confidence and are more willing to take risks when it comes to problem-solving and experimentation. Smart education technologies can contribute to better educational outcomes, as they allow for continuous monitoring of learning progress and feedback to adjust the learning process accordingly.



In conclusion, the development of the intellectual potential of students using SMART education technologies has become an essential part of modern education. English lessons are no exception, and the integration of these technologies can help to enhance student learning, build critical thinking and social skills, and foster creativity. As technology continues to evolve and expand, the potential for SMART technologies to support the intellectual development of students is immense and exciting.

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