

## THE ROLE OF ARTIFICIAL INTELLIGENCE (AI) TOOLS IN TEACHING ENGLISH THROUGH AN INTEGRATED APPROACH

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**Abstract.** The rapid emergence of Artificial Intelligence (AI) in education has transformed English language teaching by offering new opportunities for personalized instruction, multimodal interaction, and skill integration. This article investigates the role of AI tools in supporting an integrated approach to English teaching, in which reading, writing, listening, speaking, and critical thinking are developed holistically. The study argues that AI enhances the efficiency, quality, and accessibility of integrated language learning through adaptive feedback, intelligent tutoring systems, automated assessment, and content-generation mechanisms. Despite these benefits, challenges such as digital inequality, teacher readiness, ethical considerations, and overreliance on AI remain critical concerns. The findings suggest that with thoughtful pedagogical planning, AI can become a powerful component of integrated English instruction, promoting learner autonomy and improving language competence in technology-enhanced environments.

**Keywords:** artificial intelligence, integrated approach, English language teaching, multimodal learning, adaptive feedback, educational technology, EFL pedagogy.

**Annotatsiya.** Ushbu maqolada sun'iy intellekt (AI) vositalarining ingliz tilini integrallashgan yondashuv asosida o'qitishdagi o'rni tahlil qilinadi. Integrallashgan yondashuv tinglab tushunish, o'qish, yozish, gapirish va tanqidiy fikrlash kabi ko'nikmalarni yagona o'quv jarayonida uyg'unlashtirishni nazarda tutadi. AI texnologiyalari adaptiv fikr-mulohaza, intellektual o'qitish tizimlari, avtomatlashtirilgan baholash va multimodal kontent yaratish orqali mazkur yondashuvni samarali qo'llab-quvvatlaydi. Maqolada AI imkoniyatlari bilan bir qatorda raqamli tengsizlik, o'qituvchilarning texnologik tayyorgarligi va etik masalalar kabi cheklovlar ham ko'rib chiqiladi. Tadqiqot natijalari shuni ko'rsatadiki, AI vositalari pedagogik jihatdan to'g'ri integratsiya qilinganda ingliz tilini o'qitish

jarayonini sezilarli darajada optimallashtiradi, o'quvchi faolligini oshiradi va ta'lim samaradorligini kuchaytiradi.

**Kalit so'zlar.** sun'iy intellekt, integrallashgan yondashuv, ingliz tilini o'qitish, multimodal ta'lim, adaptiv fikr-mulohaza, ta'lim texnologiyalari, EFL pedagogikasi.

**Аннотация.** В данной статье рассматривается роль инструментов искусственного интеллекта (ИИ) в обучении английскому языку на основе интегрированного подхода. Интегрированный подход предполагает одновременное развитие навыков слушания, чтения, письма, говорения и критического мышления в едином учебном процессе. Технологии ИИ поддерживают этот подход благодаря адаптивной обратной связи, интеллектуальным учебным системам, автоматизированной оценке и созданию мультимодального контента. В статье также обсуждаются ограничения применения ИИ, такие как цифровое неравенство, недостаточная подготовленность преподавателей и этические вопросы. Результаты исследования показывают, что при грамотной педагогической интеграции инструменты ИИ значительно повышают эффективность обучения английскому языку, усиливают вовлеченность учащихся и облегчают усвоение языка.

**Ключевые слова.** искусственный интеллект, интегрированный подход, обучение английскому языку, мультимодальное обучение, адаптивная обратная связь, образовательные технологии, методика EFL.

## INTRODUCTION

Artificial Intelligence has become one of the most influential innovations affecting modern education. Its ability to process language, analyze learner behavior, and generate content enables learning environments that were previously unimaginable. English language teaching (ELT), which requires extensive practice in communication, comprehension, and production, benefits significantly from AI applications. As contemporary classrooms shift toward learner-centered models, teachers increasingly adopt integrated approaches that combine several language skills in a single instructional cycle. The integrated approach emphasizes natural communication by blending receptive and productive skills. Rather than treating reading, writing, listening, and speaking as separate disciplines, integrated teaching views them as interdependent components of language competence. By embedding AI tools into this pedagogical model, educators can create dynamic learning experiences that provide immediate feedback, personalized activities, and flexible learning pathways. This article explores how AI tools support integrated English teaching, the pedagogical advantages of their use, and the challenges educators may encounter. The discussion

highlights the ways in which AI reshapes language classrooms and suggests practical implications for future instruction.

### **Integrated Approach in English Language Teaching**

The integrated approach emerged from communicative and constructivist theories, which argue that language is best learned through meaningful interaction. In real-life communication, individuals do not separate language skills; they read information before speaking, listen before responding, and write based on what they have understood. Therefore, integrated teaching reflects authentic language use and promotes higher-level thinking. In practice, integrated lessons often involve tasks such as group discussions following a reading passage, writing summaries after listening, or presenting reflections derived from written materials. These activities require learners to activate multiple skills, build connections between forms and meanings, and apply linguistic knowledge in context. AI tools support this process by offering multimodal resources and adaptive pathways that adjust to individual learner needs.

#### **AI Tools Supporting the Integrated Approach**

##### **Intelligent Tutoring Systems**

AI-powered tutoring systems simulate human teacher interactions by analyzing learner input and generating personalized guidance. Tools like ChatGPT, Google Gemini, or Microsoft Copilot can explain grammar, generate examples, and respond to learner questions instantly. These systems create interactive spaces where learners practice speaking, reading, and writing in real time. Their ability to adjust explanations according to learner proficiency strengthens the integrated development of language skills.

##### **Adaptive Learning Platforms**

AI-based platforms such as Duolingo Max, Rosetta Stone AI, or Cambridge One Learning Assistant provide individualized learning trajectories. By tracking errors and progress, these systems deliver targeted tasks that improve weaknesses in vocabulary, grammar, or pronunciation. Because integrated learning requires balance across skills, adaptive platforms help maintain this equilibrium by automatically adjusting task types and difficulty levels.

##### **Automated Writing Evaluation**

AI writing assistants play a significant role in enhancing writing and reading integration. Tools including Grammarly, ProWritingAid, and academic writing analyzers assess coherence, organization, grammar, vocabulary, and style. They also provide instant suggestions, allowing learners to revise and refine their writing. Such tools help students understand how structural choices affect meaning, and the iterative editing process strengthens overall language proficiency.

##### **Speech Recognition and Pronunciation Support**

AI-based speech tools offering pronunciation feedback help learners practice oral skills independently. Applications such as Elsa Speak or Oxford English Coach evaluate sound accuracy, rhythm, and stress patterns. Because speaking and listening complement each other in integrated learning, speech recognition accelerates progress by enabling learners to test their listening comprehension and speaking accuracy in parallel.

### **AI-Generated Learning Materials**

Teachers often spend significant time preparing reading passages, listening scripts, and classroom tasks. AI simplifies this process by generating texts, summaries, quizzes, discussion prompts, and interactive games. When integrated into lessons, these materials support activities connecting multiple skills, such as reading before speaking or listening before writing. AI content generation ensures that students receive diverse and level-appropriate input.

Benefits of Using AI in an Integrated Approach

### **Enhanced Multimodality**

AI tools naturally support multimodal learning by combining audio, visual, and textual inputs. Learners can read a text, listen to an explanation, watch an example, and engage in oral practice on the same platform. Multimodality is essential for integrated instruction because it reinforces language input through multiple channels.

### **Immediate and Personalized Feedback**

Effective feedback is a cornerstone of language development. AI systems provide instant responses to errors, helping learners understand mistakes and correct them quickly. Personalized feedback accelerates learning by identifying individual needs and tailoring instruction accordingly.

### **Learner Autonomy and Motivation**

AI tools promote independence by allowing learners to choose tasks, track progress, and practice at their own pace. Gamified features such as badges, streaks, and levels motivate learners, while autonomy encourages long-term engagement with language learning tasks.

### **Efficient Classroom Management**

AI reduces teacher workload by automating routine tasks such as checking grammar, tracking performance, and generating exercises. This frees teachers to focus on communicative activities and student support, which strengthens the human dimension of integrated instruction.

### **Improved Accessibility**

AI enables students to access learning materials beyond classroom hours. Remote and blended learning environments benefit from AI's ability to deliver resources digitally, ensuring that integrated learning continues outside the physical classroom.

### Challenges and Considerations

While AI offers numerous advantages, integrating it into English teaching also presents difficulties:

- **Overreliance on Technology:** Students may depend too heavily on AI-generated answers, weakening critical thinking and creativity.
- **Teacher Preparedness:** Many teachers lack adequate training to use AI effectively.
- **Digital Inequality:** Not all learners have access to high-speed internet or suitable devices.
- **Ethical and Privacy Issues:** AI tools collect data; proper policies must protect student information.
- **Quality Control:** Some AI-generated content may contain inaccuracies or cultural mismatches.

Addressing these issues requires professional development, ethical guidelines, and balanced instructional design.

### Conclusion

Artificial Intelligence has immense potential to enhance English teaching when used within an integrated approach. By supporting multimodal instruction, offering personalized feedback, and facilitating learner autonomy, AI tools enrich the development of language skills and modernize classroom practices. When supported by teacher expertise and ethical implementation, AI becomes a powerful complement to human instruction. Ultimately, combining AI with integrated pedagogy can lead to more engaging, flexible, and effective language learning experiences.

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