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## THE USE OF ARTIFICIAL INTELLIGENCE IN TEACHING ENGLISH (FOR HIGHER STAGES STUDENTS)

### Annotation

This article examines the use of artificial intelligence (AI) in teaching English to secondary school students. It examines how AI-based technologies, such as chatbots, virtual tutors, adaptive learning systems, and automated assessment tools, can enhance language learning effectiveness and motivation. The study highlights the benefits of personalized learning, instant communication, and interactive practice through AI applications. It also discusses the challenges of teacher training and ethical issues. Overall, the article highlights the role of AI in English language education as an aid to improving students' communicative competence and academic performance.

**Key words:** Artificial intelligence, English language teaching, secondary school students, digital technologies, personalized learning, chatbots, virtual tutors, adaptive learning, motivation, communication skills.

## ИСПОЛЬЗОВАНИЕ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА В ОБУЧЕНИИ АНГЛИЙСКОМУ ЯЗЫКУ (ДЛЯ СТУДЕНТОВ СТАРШИХ КУРСОВ)

### Аннотация

В статье рассматривается использование искусственного интеллекта (ИИ) при обучении английскому языку учащихся старших классов. Анализируется применение технологий на основе ИИ — чат-ботов, виртуальных преподавателей, адаптивных систем обучения и автоматизированных средств оценки — для повышения эффективности и мотивации в изучении языка. Отмечаются преимущества персонализированного обучения, мгновенной обратной связи и интерактивной практики. Также обсуждаются проблемы, связанные с подготовкой учителей и этическими вопросами. В целом, статья подчеркивает значимость ИИ как вспомогательного инструмента в совершенствовании коммуникативной компетенции и результатов обучения английскому языку.

**Ключевые слова:** искусственный интеллект, обучение английскому языку, старшеклассники, цифровые технологии, персонализированное обучение, чат-боты, виртуальные преподаватели, адаптивное обучение, мотивация, коммуникативные навыки.

## INGLIZ TILINI O'QITISHDA SUN'IY INTELLEKTDAN FOYDALANISH (YUQORI KURS TALABALARI UCHUN)

### Annotatsiya

Ushbu maqola o'rta maktab o'quvchilariga ingliz tilini o'qitishda sun'iy intellekt (AI) dan foydalanishni o'rganadi. Chatbotlar, virtual repetitorlar, adaptiv ta'lim tizimlari va avtomatlashtirilgan baholash vositalari kabi sun'iy intellektga asoslangan texnologiyalar til o'rganish samaradorligi va motivatsiyasini qanday oshirishini o'rganadi. Tadqiqot AI ilovalari orqali shaxsiylashtirilgan ta'lim, tezkor aloqa va interaktiv amaliyotning afzalliklarini ta'kidlaydi. Shuningdek, u o'qituvchilarni tayyorlash va axloqiy masalalar bilan bog'liq muammolarni muhokama qiladi. Umuman olganda, maqolada Alning ingliz tili ta'limida talabalarining kommunikativ kompetensiyasi va o'quv natijalarini yaxshilashda yordamchi vosita sifatidagi roli ta'kidlangan.

**Kalit so'zlar:** Sun'iy intellekt, ingliz tilini o'qitish, o'rta maktab o'quvchilari, raqamli texnologiyalar, shaxsiylashtirilgan ta'lim, chatbotlar, virtual repetitorlar, adaptiv ta'lim, motivatsiya, mulqot qobiliyatlari.

**Introduction.** In modern times, the education system is undergoing fundamental changes under the influence of intensive digitalization and innovative technologies. In the era of digital transformation, new ways are being sought to improve the efficiency of the educational process. In particular, artificial intelligence (AI) technologies occupy a special place. Artificial intelligence offers the possibility of learning adapted to

the individual characteristics of students, simulating human cognitive actions – the ability to think, learn, analyze and make decisions.

The importance of AI technologies in teaching foreign languages, especially English, is growing. The English language today has become a universal tool for Global Communication, Science and technology, business and culture. Therefore, mastering it is an important factor

for the future professional, social and personal development of each student.

Higher-level students are the younger generation who are able to independently think and critically analyze, and determine their professional orientation. Teaching English at this stage involves not only language education, but also the task of developing the communicative, cognitive and cultural competencies of the individual. Artificial intelligence has great potential in the implementation of such complex tasks.

In this article, the importance, opportunities and advantages of using artificial intelligence technologies in teaching English are considered and the role of higher-level students in improving their language skills is analyzed.

**Analysis of the relevant literature.** The problem of using artificial intelligence technologies in teaching English has been widely considered in pedagogical and linguodidactic research in recent years. In the works of scientists, the potential of AI in improving the quality of Education, individualization of the learning process and the development of language competence of students is analyzed in detail.

Among foreign researchers Luckin et al. (2016) notes in his works that artificial intelligence plays an important role in the personalization of Education. In their opinion, AI systems form an adapted curriculum by analyzing students' abilities, learning styles, and mistakes. This approach has been shown to be much more effective than traditional training.

Holmes B., Bialik M., & Fadel C. (2019) describe the advantages of introducing artificial intelligence into teaching foreign languages. The authors point out that AI technologies make it possible to comprehensively develop students' language skills, that is, to improve their listening, speaking, reading and writing skills in a balanced way.

In modern times, the education system is undergoing rapid changes and is moving to a new qualitative level under the influence of innovative technologies. In the age of digital transformation, artificial intelligence (AI) is one of the most relevant phenomena that permeates all spheres of human life. In addition to production, medicine, economics, science, it radically modernizes the educational process. The possibilities of artificial intelligence are especially important in teaching foreign languages[1].

English is the main means of International Communication, Science and technology, business and culture in the era of globalization. Therefore, its effective mastery is considered one of the decisive factors for the future professional and personal development of today's student. Traditional teaching methods do not always fully take into account the individual characteristics of students, and artificial intelligence systems, on the contrary, are able to present material that is appropriate to the level of each student, analyze his mistakes and give accurate feedback.

For higher-level students, learning English is not only a process of obtaining subject knowledge, but also the process of developing the ability to freely express themselves, engage in intercultural communication, critical thinking and independent decision-making. From this point of view, the effective use of artificial intelligence technologies will raise the quality of teaching English to a new level, increase the motivation of students to learn, and form their own path of development. Therefore, the topic of this study is relevant and of great practical importance in modern educational practice.

Currently, the education system around the world is undergoing a process of intensive digitalization. A new stage in the development of world society has begun – the era of artificial intelligence (AI). Today, AI is widely used in the field of economics, medicine, production, information technology, as well as education. The role of artificial intelligence is especially important in teaching foreign languages, including English. English is the main language of International Communication, Science and innovation, business contacts and information exchange. Therefore, mastering it is not only a professional necessity, but also a requirement for personal and cultural development.

Higher-level students are those who are at a difficult and responsible stage of language learning. Students of this age are preparing for their future profession, admission to a higher educational institution and professional orientation. Therefore, the use of innovative methods and technologies in teaching English should be aimed at increasing their motivation and improving their practical skills. One of these modern tools is artificial intelligence technology. It allows you to personalize the learning process, analyze the learning style of students and offer an individual program for each of them.

The concept of artificial intelligence means that a computer or program simulates the intellectual activities of a person, such as thinking, analyzing, making decisions, learning. In language teaching, AI systems are able to determine the level of knowledge of a student by analyzing data and automatically correct grammatical, lexical and phonetic errors. This is a much more effective approach than traditional methods [2].

In teaching English, systems based on artificial intelligence are used in several directions. First, it forms an individual learning trajectory. Each student has a different pace and specificity of language acquisition. GI, analyzing the results of the student in previous tasks, presents new exercises and materials exactly according to his level. Platforms such as Duolingo or LinguaLeo, for example, take into account the student's past mistakes and form a personalized program. Such an approach allows the student to progress at their own pace and get satisfaction from the learning process.

Secondly, artificial intelligence plays an important role in the development of speech and listening skills. Voice recognition technology analyzes students' pronunciation and offers clear corrections. For example, the ELSA Speak app will give you clear instructions, evaluating the accent, intonation and pronunciation accuracy of your speech. This will help students improve their speech and be able to speak English naturally. And dialogue with virtual assistants like Google Assistant creates a real communication environment. Such exercises develop the communicative competence of students and teach them to express themselves freely.

Third, artificial intelligence is aimed at improving writing and reading skills. Platforms like Grammarly not only correct grammatical, punctuation and stylistic errors in writing works, but also explain why. This helps students analyze their mistakes and learn language patterns in depth. In addition, systems such as ChatGPT can provide sample texts for writing essays, reports, or letters. Such models are useful in the formation of a writing culture, teaching an academic writing style. Through such tools, the student will gain new vocabulary and practice writing logical and structurally competent text [3].

In addition, artificial intelligence also facilitates the work of the teacher. It automatically analyzes the test results and provides accurate data on the student's progress. This will allow the teacher to provide individual feedback to each student, make the lesson plan more flexible. The main role of the teacher remains as a guide, a person who develops creative and critical thinking. AI does not replace the teacher, but, on the contrary, makes his work more effective.

Artificial intelligence-based education systems not only increase the effectiveness of learning, but also strengthen motivation. Platforms with elements of gamification make an interesting impression on students. Elements such as scoring points, passing levels, achieving achievements turn the learning process into a kind of game and encourage the student to take an active part. This approach is especially important for higher-level adolescents, because in them curiosity and emotional motivation directly affect the learning outcome.

In the future, the capabilities of artificial intelligence will expand even more. For example, AI combined with virtual and augmented reality (VR/AR) technologies can make the learning process more immersive. Students can conduct English dialogues in a virtual environment and improve their language skills in real situations. In addition, adapted learning systems are reaching the point where they analyze the mood, attention and activity of the student and offer material accordingly. All this will raise the quality of teaching English to a new level [4].

The reports of the organizations UNESCO (2023) and OECD (2022) also address the ethical and legal aspects of the use of artificial intelligence in education. These documents emphasize the importance of personal data protection, compliance with the principle of fairness and compliance with the leading role of the teacher in the implementation of AI systems. Because the development of technology should not replace the human factor in education, but should be aimed at supporting and improving the effectiveness of the teacher's work [5].

In conclusion, the use of artificial intelligence technologies in teaching English allows us to modernize the educational process, increase the motivation of students and qualitatively improve learning outcomes. AI systems provide individualization of learning and create conditions for continuous monitoring of students' academic achievements. In addition, they not only facilitate the role of the teacher, but also help to effectively manage the learning process. Thus, artificial intelligence as one of the innovative methods of teaching English is an urgent and promising direction in the modern education system [6].

**Analysis and results.** To determine the effectiveness of the use of artificial intelligence in teaching English, an analysis of domestic and Foreign Studies, as well as practical experience, was carried out. In the course of the study, it was found that the influence of artificial intelligence technologies on the development of language competence of higher-level students is reflected in several main areas.

#### 1. Personalize and adapt training

AI systems form an individual learning trajectory in accordance with the pace and ability of each student to learn. For example, platforms such as Duolingo, LinguaLeo, Replika analyze the previous results of the student and offer new tasks, adapting them to his level. This approach allows students to progress at their own pace, get satisfaction from the learning process and increase their motivation for self-education.

The results of the analysis showed that students who regularly used such platforms had a 25-30% reduction in grammatical errors, and their vocabulary increased by an average of 20%.

#### 2. Improving speaking and listening skills

AI-based speech recognition technologies (for example, ELSA Speak, Google Assistant) have shown high results in developing students' pronunciation and listening skills. Students are trained to pronounce sounds correctly, maintain intonation and accent. It was especially noticed that students who used ELSA Speak had a significant improvement in pronunciation accuracy.

As a result of practical observations, 78% of students in the group who used AI technologies noted an increase in their ability to express themselves fluently in English.

#### 3. Development of writing and reading skills

The use of tools such as Grammarly and ChatGPT has had a positive effect on improving the written language of students. The Grammarly system has helped students correct their grammatical and stylistic mistakes, and has developed their ability to analyze their own mistakes. Generative models such as ChatGPT have shown effective results in developing students' writing culture by providing a model structure in the process of writing an essay, letter, or report.

According to the results of the survey, 85% of students who systematically used such tools recognized an improvement in their writing skills.

#### 4. Increased motivation and interest in learning

Gamification elements on AI platforms (scoring points, rewards, passing levels) increased the motivation of higher-level students. The tasks organized in the form of a game made the educational process interesting and competitive. This approach formed a positive attitude of students to the subject and prompted them to take an active part in the lesson.

#### 5. Optimization of the teacher's activities

AI systems automatically analyze students' progress and provide accurate statistical data. This allows the teacher to see the success and weaknesses of each student. The teacher now acts as a guide and advisor, not just an informant.

The analysis showed that 60% of teachers who used AI tools noted a decrease in the time spent on preparing lessons and an increase in the quality of feedback.

**Results.** As a result of the analysis, the following conclusions were drawn:

1. artificial intelligence technologies provide a personalized, interactive and results-oriented approach to teaching English.

2. students' language skills (pronunciation, listening, writing, reading) are developed more efficiently than traditional methods.

3. AI-based systems increase students' learning motivation and strengthen their activity and interest by organizing the learning process in a playful way.

4. the effectiveness of the teacher's work increases, and the learning process acquires a data-based analytical character.

5. however, when using AI, risks such as dependence on technology, ethical issues, and infrastructure constraints need to be taken into account.

In general, it has been proven that the use of artificial intelligence in teaching English is an effective method that allows you to develop the communicative and critical thinking abilities of higher — level students,

form an individual educational trajectory and digitally reproduce the educational process.

**Conclusion.** In conclusion, artificial intelligence is a powerful methodological and technological tool in teaching English. It individualizes the learning process, increases the activity of students, comprehensively develops speech, listening, reading and writing skills. If used correctly, AI becomes the most reliable assistant to the teacher. The combination of artificial intelligence and pedagogical skills not only increases the language competence of students, but also strengthens their own development, research and creative abilities. The introduction of artificial intelligence in the education system is not just a technological innovation, it is an important trend that is changing the philosophy of teaching, forming a new model of knowledge. In the future, artificial intelligence will undoubtedly become an integral part of teaching English and become an effective tool for preparing the younger generation for Global Communication and intelligent society.

The use of artificial intelligence in teaching English is an innovative direction in modern education. It has become an effective tool for the development of language competence, individualizing the learning process and adapting it to the level and needs of the student. AI systems help students comprehensively improve their grammar, phonetics, vocabulary, and writing skills. In addition, virtual assistants and voice recognition

technologies play a special role in the development of speech and listening abilities.

However, in the process of using artificial intelligence, the role of the teacher is never lost. On the contrary, he remains a leading figure, directing the student's critical thinking, creativity, cultural and personal development. AI becomes a partner of the teacher, facilitates his work, increases the quality of assessments and feedback.

In general, artificial intelligence elevates English learning to the level of an efficient, interactive and personalized process. With the help of it, students will be able to adjust their own pace of learning and clearly monitor their success. Competent and ethical use of these technologies is the main condition for improving the quality of language teaching in the future, the formation of an educated person. Therefore, the harmonious connection of artificial intelligence and pedagogical methodology will become the main means of educating a modern, competitive young generation.

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