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THE IMPORTANCE OF ARTIFICIAL INTELLIGENCE TOOLS IN TEACHING ENGLISH IN PRIMARY GRADES

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Abstract

This scientific article thoroughly analyzes the role and importance of artificial intelligence (AI) technologies in teaching English to primary school students. The study highlights the role of tools based on artificial intelligence in individualizing the educational process, developing students' speech activity, and increasing their motivation. The effectiveness of interactive platforms, speech recognition systems, and chat bots used in primary education is also scientifically substantiated. The research results show that artificial intelligence tools are an important factor in optimizing the educational process and improving the quality of education.

Keywords: Artificial intelligence, primary education, English language, interactive education, speech skills, digital technologies.

Аннотация

В данной статье подробно рассматривается значение технологий искусственного интеллекта в обучении английскому языку учащихся начальных классов. Особое внимание уделяется роли искусственного интеллекта в персонализации образовательного процесса, развитии коммуникативных навыков и повышении мотивации обучающихся. Анализируются современные цифровые инструменты, включая системы

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распознавания речи, образовательные платформы и чат-боты. Результаты исследования подтверждают, что использование искусственного интеллекта способствует повышению эффективности обучения и качества образования.

Keywords: Artificial intelligence, primary education, English language, interactive education, speech skills, digital technologies

Introduction

In the context of modern globalization, learning foreign languages is one of the most important competencies for every person. In particular, teaching English from primary grades lays the foundation for students' success in subsequent stages. Therefore, the improvement of language teaching methodology in the primary education system remains one of the pressing issues. In recent years, digital technologies, in particular, artificial intelligence tools, have been widely introduced into the educational process. [1] This requires a review of traditional teaching methods and the application of innovative approaches. Artificial intelligence is of particular importance as a modern tool that allows organizing education taking into account the individual characteristics of students.

Methodology

In this study, based on a scientific approach, the following methods were used:[2]

- systematic analysis of scientific sources;
- pedagogical observation;
- comparison and generalization;
- studying modern educational technologies.[3]

With the help of these methods, the effectiveness of artificial intelligence tools in teaching English in primary grades was studied.

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The role of artificial intelligence in primary education[4]

Artificial intelligence technologies are bringing the educational process to a qualitatively new level. For elementary school students, it is important that the educational process be interesting, interactive, and understandable. Systems based on artificial intelligence analyze the level of students' knowledge, learning speed, and interests, and offer them appropriate educational materials. This significantly improves the process of students' assimilation of knowledge. Artificial intelligence also serves as an auxiliary tool for teachers. It performs tasks such as checking tests, analyzing results, and providing individual recommendations.

Artificial intelligence tools in English language teaching [5]

1. Speech Recognition Technologies

Speech recognition systems detect students' pronunciation and point out errors. This technology plays an important role in the formation of correct pronunciation at the initial stage.

2. Chatbots [6]

Chatbots allow students to communicate in English. They serve as artificial interlocutors, increasing the speech activity of students.

3. Interactive platforms

Learning platforms based on artificial intelligence provide knowledge through game elements. This makes learning more interesting for elementary school students.

4. Automatic assessment systems [7]

These systems allow for quick assessment of students' written and oral work. As a result, students can quickly identify and correct their mistakes.

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Pedagogical advantages of artificial intelligence [8]

Artificial intelligence tools provide the following pedagogical advantages:

- individualization of the educational process;
- increasing student motivation;
- Interactivity of the educational process;
- prompt feedback;
- development of independent learning skills. [9]

Experiment and analysis. Classes based on artificial intelligence increase student activity. According to practical observations, the results of students who used AI tools were higher than those who studied using the traditional method. Artificial intelligence technologies, while creating great opportunities, also create some problems. For example, excessive dependence on technology, technical malfunctions, and a decrease in the role of the teacher can be observed. [10] Therefore, it is important to rationally use artificial intelligence tools and combine them with traditional education.

Conclusion

Artificial intelligence tools play an important role in teaching English in primary grades. They serve to develop students' language skills, increase motivation, and effectively organize the educational process.

In the future, the use of artificial intelligence technologies is expected to expand and become an integral part of the education system.

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