ВЛИЯНИЕ ЦИФРОВЫХ ТЕХНОЛОГИЙ НА ОБУЧЕНИЕ КИТАЙСКОМУ ЯЗЫКУ

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В статье рассматривается влияние цифровых технологий на процесс обучения китайскому языку. Анализируется использование мобильных приложений, онлайн-платформ и интерактивных ресурсов, которые способствуют развитию языковых навыков у студентов. В заключение подчеркивается необходимость интеграции технологий в учебный процесс для создания более динамичной и интерактивной образовательной среды.

Ключевые слова: цифровые технологии, китайский язык, интерактивные платформы, мультимедийные ресурсы, эффективность обучения.

Being proficient in foreign languages is essential for success in many fields, which is why many countries include language learning in their educational systems. Knowing a foreign language makes professionals more marketable. The partnership between The Republic of Belarus and the People's Republic of China has increased interest in learning Chinese. This makes it a relevant academic discipline and leads to new and improved teaching methods.

Chinese is considered one of the oldest languages in use today. Moreover, its writing system is the oldest among those currently in use. Learning Chinese has traditionally been more difficult than learning many other languages because it requires a lot of effort to memorize words, vocabulary, and especially to master hieroglyphic writing. Traditional education primarily uses textbooks and board demonstrations, while students practice writing characters at home independently. However, the extensive and unfamiliar content often leads to ineffective rote memorization, causing interest to wane over time. Students may become unfocused and distracted, aiming to complete assignments quickly without genuine engagement. As a result, they tend to write characters in any manner they find easiest, leading to incorrect memorization of their structures. [3]. To engage students and enhance the effectiveness of learning, we recommend using visualization while teaching Chinese writing. At present, there is a wide range of visual tools utilized across different fields:

1) A multimedia presentation conveys information through various multimedia tools, including text, graphics (including 3D), animations, audio, video clips, drawings, and photographs. One key benefit of using presentations for visualization is that a dynamic visual sequence helps students quickly and effectively retain educational language material in their memory [1].

2) Digital services:

- **Wordscloud:** working with new vocabulary, working out and training lexical units is an important aspect of a teacher's methodical work. With its help, students' attention is focused on a specific set of phrases and words on the topic being studied. At the same time, this set may differ for each of them due to a different associative series. The current situation in the field of digital technology offers a wide range of activities and tasks involving working with the word cloud.

- **Mentimeter:** The digital service Mentimeter conducts a survey of students regarding associations they have in the process of studying a new topic. This service processes the results of such a survey and presents them in the form of a word cloud, in which the most frequently used and used association words are highlighted in large print, and rare and almost non-recurring ones are highlighted in small print.

- **Quizzlet:** a digital service that has recently gained popularity and allows you to work with the word cloud. When using Quizlet, students log in and select the appropriate training set of flashcards that they need to work on (they can be created by a teacher or other users of the service). Thanks to its flexibility and customization options, Quizlet can be used at any learning level and in any classroom.

- HP Reveal: HP Reveal allows you to create interactive 3D models that can be associated with hieroglyphs. This method promotes the development of associative thinking and improves visual perception.

- TrainChinese: This app was created to teach correct spelling. The main advantage of the application is that students quickly learn the rules of calligraphy and cannot make mistakes in writing, since it does not allow them to draw a line in a hieroglyph incorrectly. The application allows you to create flash cards from words and phrases on a topic that are available online.

3) Interactive courses: Such courses use tools that allow teachers and students to share documents, take notes, draw and create diagrams in real time, such as Microsoft Whiteboard, Jamboard, Miro and others. They can include not only text information, but also video tutorials, tests, self-test assignments, and other interactive materials. This approach promotes deeper learning of the material and allows students to study the subject in an interactive and fascinating format [2, p. 63].

In order to investigate the impact of digital technologies on the quality of teaching, a survey was conducted among Chinese language teachers. The results are the following:

1. Frequency of using digital technologies in the classroom (Fig.1):

50% of teachers frequently use digital technologies in their classes. 40% always use digital technologies, and only 10% occasionally use technology during classes.
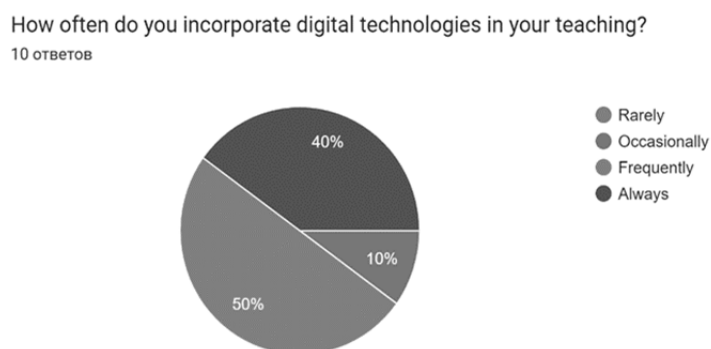

Figure 1-The frequency of usage of digital technologies.

2. Frequently used tools (Fig.2):

According to the survey, online programs and multimedia presentations are the most frequent tools (70%). AI technologies occupy 60%, educational programs 50%, mobile applications and social networks 40%, interactive whiteboards occupy 30%, and virtual reality technology only 10%.
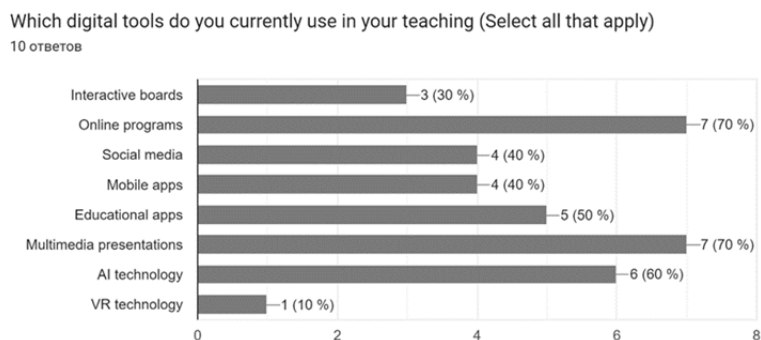
Which digital tools do you currently use in your teaching (Select all that apply)
10 ответов

Interactive boards	3 (30 %)
Online programs	7 (70 %)
Social media	4 (40 %)
Mobile apps	4 (40 %)
Educational apps	5 (50 %)
Multimedia presentations	7 (70 %)
AI technology	6 (60 %)
VR technology	1 (10 %)

Figure 2- Frequently used apps

3. Platforms and applications (Fig.3):

The teachers mentioned various platforms and applications that are used in the classroom. According to the survey, it can be noted that the most frequently used technologies are Miro (16%) and LearningApp (16%). The second place is occupied by Genially (11%). The rest of the applications are not used as often.

Платформы и приложения

■ TrainChinese ■ Google Slides ■ Miro ■ PowerPoint ■ Wordcloud
■ wordwall ■ LearningApp ■ Genially ■ Quizlet ■ Online boards
■ OnlineTestPad ■ Twee ■ GPT

Figure 3- Platforms and apps

4. Advantages of using visualization in teaching (Fig.4):

According to the survey, it can be noted that the main advantage of using visualization in the classroom is to improve the quality of information presentation (80%). Increasing student interest is also an advantage (70%), along with making it easier to understand complex topics through visualization (60%).

What advantages do you see in using technology to visualize educational material? (Select all the appropriate options)
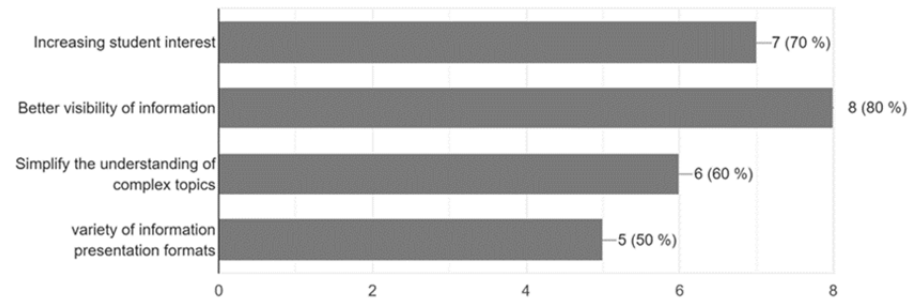10 ответов

Increasing student interest — 7 (70 %)
Better visibility of information — 8 (80 %)
Simplify the understanding of complex topics — 6 (60 %)
variety of information presentation formats — 5 (50 %)

Figure 4- Advantages of using visualization

5. The impact of technology on improving the quality of learning (Figure 5):

According to the survey, 80% of teachers noted that the use of technology has a positive effect on the quality of learning and on student engagement in the educational process. 10% noted that the inclusion of technology has not affected the quality in any way, and that it remains the same as before It was before. And 10% noted that, on the contrary, the quality of education deteriorated after the inclusion of technology in the educational process.

In your opinion, how has the use of digital technologies positively impacted student engagement?
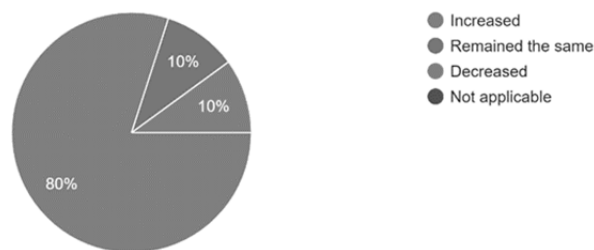10 ответов

● Increased
● Remained the same
● Decreased
● Not applicable

10%
10%
80%

Figure 5- The impact of technologies

6. Improving understanding of information through technology (Fig.6):

According to the survey, it can be concluded that the introduction of technology has a positive effect on understanding information. 60% of the teachers noted this in this survey.

Have you observed any improvement in students' understanding of complex concepts through the use of digital tools?
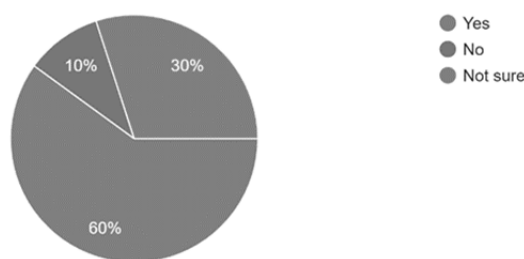
10 ответов

- Yes
- No
- Not sure

30%

10%

60%

Figure 6- Improvements through technologies

According to the results, digital technologies have a significant impact on modern education, contributing to increased student engagement, improved understanding of educational materials and the creation of a more interactive and exciting learning process. Conducting a survey among teachers on the use of digital technologies in the educational process is an important stage of research work for several reasons:

1. The survey provides an opportunity to collect objective data on the current state of the use of digital technologies in the educational process, identifying popular tools and the frequency of their use.

2. Studying the impact of digital technologies on student engagement and their understanding of complex concepts allows us to evaluate the effectiveness of existing teaching methods.

3. Questions about the prospects of using new technologies help to identify the interests of educators in relation to innovative tools and methods, which can be useful for creating supportive programs.

Thus, the survey plays a key role in forming an understanding of the degree of digital readiness of teachers and provides information for creating strategies aimed at improving the educational process at the university. Our analysis has shown that the use of modern information technologies in the organization of the material significantly enriches the educational process and contributes to a more effective assimilation of knowledge by students. Multimedia presentations, interactive whiteboards, online platforms and applications, and other tools make learning materials not only more accessible and fun, but also help students better memorize information, activating their involvement in learning. Moreover, the use of modern technologies in the educational process prepares students for the realities of the information society and develops the skills necessary for a successful career in the future.

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THE IMPACT OF DIGITAL TECHNOLOGIES ON CHINESE LANGUAGE TEACHING

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The article examines the impact of digital technologies on the Chinese language learning process. The article analyzes the use of mobile applications, online platforms and interactive resources that contribute to the development of language skills among students. In conclusion, the need to integrate technology into the learning process is emphasized in order to create a more dynamic and interactive educational environment.

Keywords: digital technologies, Chinese language, interactive platforms, multimedia resources, learning efficiency