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The use of mobile applications for learning the English language by students of medical college

In modern world, the development of mobile technology is closely linked to the prospects in the educational process, especially when it comes to learning foreign languages. Due to the rapid improvement of technology, the concept of "mobile learning" has emerged and is now becoming increasingly popular, particularly in the context of the pandemic, globalization and internationalization of education. Modern society is impossible to imagine without mobile devices. Every day more and more users of mobile devices and mobile Internet have become all over the world. Such changes are quite natural, because we all strive for convenience and mobility in all spheres of life. That is why mobile technologies are gradually taking their place in the field of education, which is reflected in the emergence of a special term - mobile learning.

Mobile learning (M - Learning) provides an opportunity to study disciplines, including a foreign language, regardless of place and time, using a number of mobile devices. Mobile learning uses mobile technologies that involve the use of mobile devices, such as smartphones, tablets, e-books, netbooks, and more. It is worth noting that the functionality of modern mobile phones is really impressive in its breadth: a player for audio and video information, a camera, a mobile browser for Internet access, a communicator, a dictaphone and more. An important factor is that the introduction of such training is virtually free, as the owners of mobile learning tools are the students themselves.

The use of mobile learning in the study of a foreign language can be divided into several groups [2]. The first group includes additional resources to educational and methodological complexes for learning the English language, which are part of them, are consistent with the program of learning the English language and are performed online directly in the classroom or outside it. The availability of such resources is provided by many educational and methodological complexes for learning the English

language, which are now offered by international publishers. Access to these materials is provided to teachers and students who have purchased these complexes, by registering a special code from the textbook on the site of the complex or publisher. In the future, using their own password and having access to the Internet, they can perform tasks online, and teachers have the opportunity to check the availability and quality of completed tasks.

The second group includes the use in learning the English language of mobile technologies for instant data transmission - the so-called messengers (Viber, Telegram, WhatsApp, etc.). Such mobile applications allow you to create a group of subscribers and a "conversation" in which you can present information that will be available to all group members almost instantly. For example, a teacher can post a photo or file with a task, list with the required vocabulary, write tasks, announcements, insert links to the necessary information on the Internet, and so on. Another way to use messengers is to display an audio or video clip, and with the help of headphones, students can listen to it or watch it, which is an alternative to setting up language classrooms.

The next group contains methods for using mobile devices offline, without the need to use the Internet. First of all, it means the active exploitation of the technical capabilities of a mobile device for recording, listening or viewing information, in particular for listening and speaking tasks, as well as for independent work and project activities.

The fourth group is methods and mobile technologies related to the use of the Internet within the studied topic. First, it is an activity related to the search, collection and analysis of various types of information on the network, including the authentic nature necessary for the successful completion of tasks. Secondly, it is the use of various resources from the Internet and mobile technologies that are used to learn the English language and are consistent with the program of learning the English language of higher education institution. The last group of mobile learning methods used in learning the English language in higher education institutions includes the use of special educational programs (mobile applications), Internet services, educational sites, online dictionaries or encyclopedias, etc. on the own initiative of students seeking

development of their language competencies, and is not directly related to the program of learning the English language in an educational institution.

Methods and forms of work can be various, namely: creation of lexical collages and presentations; educational and research projects with the use of lexical units on certain topics; language learning and increasing vocabulary in the online space (blogs, forums, social networks, etc.); online testing technologies, etc. Mobile applications and learning platforms enable virtual travel, such as Mondly; participation in international competitions, olympiads in the format of videoconferencing through Zoom and Google Meet; communication in text and voice chats on social networks; creation of lexico-associative intelligence maps using MindMeister, Canva, GoConqr; organization of Collaborative Online International Learning (COIL), etc. Thus, the variety of free platforms and mobile applications gives students the opportunity to expand their language skills, develop lexical, self-organizing, creative, research skills, the ability to think critically, and most importantly - to treat educational technology as an advantage.

Due to the dynamic development of mobile learning (M-learning), new opportunities and challenges in pedagogical activity open up. Of course, this approach changes the whole learning process, in particular foreign languages, as mobile devices not only change the forms of presentation of material and access to it, but also contribute to the creation of new forms of cognition and thinking [3].

The study analyzed the following mobile applications for learning English by medical students. These applications can be useful for those medical students who are just beginning to learn the English language, and those who want to expand their vocabulary.

1. ***Gray's Anatomy - Anatomy atlas*** is a free application that helps to study the anatomy of the human body in English. It can be used offline, it has a simple interface. In this application there are available images of various systems of the human body, which you can enlarge or reduce in size, and set in the quick search system. In addition, students can take medical quizzes and quizzes on anatomy, pathology, diseases, organ structure and first aid. Another bonus is medical and anatomical dictionaries, which explain complex terms and phrases.

2. ***Diseases Dictionary Offline*** - this application contains quick access to thousands of diseases with a visual dictionary offline. This is a very popular medical dictionary app for Android users. For the most part, this app is recommended for doctors, nurses and medical students. Here you can find almost all the terms related to the medical institution, just by typing them in the search box of this application. In addition, medical terminology is available here with proper explanations, photographs, pronunciations and other important information. Also, this app will provide access to dozens of medical encyclopedias.

3. ***Englishini (Medical English)*** - English for healthcare professionals. This application helps to pronounce and write medical terms correctly. It works without access to the Internet. You can choose what you need to learn English. Namely, listen to the pronunciation of various complex terms, play a game and train hearing to write complex terms correctly, learn incorrect verbs, countries and capitals, medical abbreviations and their meanings, as well as plurality of nouns.

4. ***Immersify Dental*** - this application includes 3D model for dental students, interesting fun dental games, lessons and dental quizzes. There is free access to a number of topics, including tooth morphology, dental anatomy, restoration, endodontics and more.

5. ***Medical and Surgical Instruments*** is a visual medical platform for the study of surgical and medical instruments in English for medical students. A surgical instrument is a specially designed tool or device for performing specific actions or carrying out desired effects during a surgery or operation, such as modifying biological tissue, or to provide access for viewing it. Over time, many different kinds of surgical instruments and tools have been invented. Some surgical instruments are designed for general use in surgery, while others are designed for a specific procedure or surgery. Accordingly, the nomenclature of surgical instruments follows certain patterns, such as a description of the action it performs (for example, scalpel, hemostat), the name of its inventor(s) (for example, the Kocher forceps), or a compound scientific name related to the kind of surgery (for example, a tracheotome is a tool used to perform a

tracheotomy). Medical and surgical instruments in this app will help you know the basic medical and surgical tools used in all medical fields.

Today, a platform such as Moodle is widely used in higher education institutions for e-learning and mobile learning. The use of E-Learning and M-Learning by teachers in teaching foreign languages in higher education institution contributes to better learning of the material, or a particular course, and in no way displaces traditional learning, where there is a direct interaction "teacher-student".

As we can see, there are currently a large number of applications that implement the ideas of learning English using technical means on the platform of mobile devices. However, the potential for expanding English learning opportunities is not only to continue existing ideas on the mobile platform, to develop mobile applications for learning English, but also to implement fundamentally new learning models possible with the use of mobile devices. At their core, these models can be associated with expanding the environment of foreign language learning, which is described both from the standpoint of expanding opportunities for communicative interaction with native speakers, and from the standpoint of building new ways to expand vocabulary, learning new words.

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