

## UDK 615.322: 615.12 (477):615.15 USE OF DIGITAL TECHNOLOGIES TO STRENGTHEN THE TEACHER'S INTERACTION WITH STUDENTS IN ORGANIC CHEMISTRY CLASSES

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**Abstract.** The work presents applications that can be used in the preparation of educational material for students of higher medical institutions of education, which will help students remember the material, quickly find information, as well as reduce the level of stress and increase focus on studying in the discipline of organic chemistry.

**Key words:** Internet applications, educational process, academic and professional success, Anki, Quizlet, Calm, Forest, Evernote, Anatomy&Physiology, Netter'sAnatomyFlashCards, VisibleBody, MedNotes, MedicalDictionarybyFarlex, Lecturio, Medscape, GeekyMedics, Prezi, GoogleSlides, Canva, Keynote, Fishbone.

## Introduction.

When studying organic chemistry, students have to face a huge amount of new information and educational tasks that require a lot of attention and perseverance. In such an environment, knowledge of innovative tools and technologies can become an important aid to facilitate preparation for the discipline and, in general, the educational process, as well as increase the effectiveness of studying the material.

**1.** Students should pay attention to applications that will help them manage their time to study the material more effectively, prevent stress and discipline themselves [1]:

**Anki** - is a flashcard-based learning program. It helps students remember new terms and concepts needed for studying medical subjects. This program allows you to create your own decks of cards or download ready-made decks from the Internet.

**Quizlet** - is a resource with a similar principle that works based on the use of flash cards. Many are already familiar with it, because it has a database of more than 200 million cards, which makes it easier for students to find a suitable set.

**Calm** - is an application for meditation and relaxation. Obviously, for medical students who are constantly learning new materials and facing stress, this application can be a useful tool to reduce anxiety and constant worries.

**Forest** - is an app that helps students focus and stay focused on their studies. It works on the principle of a game where users can grow virtual trees that do not grow if they are distracted.

2. From applications that will help a student to concentrate, organize information and learn it in the shortest possible time, it is worth switching to programs that allow you to save and use the existing material in practice [2].



ISSN 2567-5273

## **Evernote:** allows you to store, organize and synchronize different types of notes. You can download textbooks in PDF format or scan textbook pages and save them to your Evernote account for easy access.

Anatomy&Physiology: contains a complete anatomy and physiology textbook that can be used offline. The app contains illustrations, videos and interactive quizzes to help you better understand the material.

**Netter'sAnatomyFlashCards:** contains a collection of anatomy flashcards that can be used to review and study the material. The cards contain detailed illustrations and descriptions of anatomical structures.

VisibleBody: offers 3D models allows you to view different body systems. You can manipulate models, make cuts, and explore the details of structures. This application can be used both for studying anatomy, histology and physiology, biochemistry, etc.,

because it allows you to see and visualize processes that take place even at the cellular level.

**MedNotes:** helps medical students organize and store their notes and materials. It provides the ability to create digital notes, store information about lectures, textbooks, additional literature and other resources.

**MedicalDictionarybyFarlex:** provides access to a medical dictionary of over 180,000 terms and definitions. The application can be useful for medical students who are looking for definitions of terms found in textbooks and lectures.

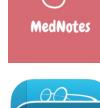
Lecturio: It is an educational resource that provides video lectures, study materials and tests on

various medical subjects. It also allows you to find both new material and save the existing one.

MEDICAL Medscape: provides medical university students with a range of useful material. Allows users to receive up-to-date and reliable information on medical topics, including diagnosis, treatment, prognosis and prevention of various diseases. The application also includes functions that allow you to conduct medical calculations, view interactions between drugs, and much more that can be useful in medical practice.

**GeekyMedics**: designed to teach various practical skills such as communication with patients, diagnosis, prescribing and treatment. The platform provides video lessons, interactive exercises, clinical scenarios, articles, tips and other useful materials to improve medical practice skills.

3. It is also necessary to note the programs that can be a useful tool in the implementation and presentation of the studied material, or the performance of











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individual tasks, independent works, preparation of additional information by creating, for example, a presentation [3].

**Prezi** - is an online tool for creating presentations that allows you to create them out of the box and creative. It has many features such as

animation, 3D elements and multi-university.

**GoogleSlides** - is a free browser-based presentation software. It has many features such as design templates, adding images and other media elements, animations and sharing with other users.

**Canva** - is a tool that can be used to create presentations, posters, flyers and other graphic

*Canva* elements. Allows to reveal creative potential during preparation, and is also very convenient to use.

**Keynote-** is a presentation software that is part of the AppleiWork software suite. Has no fewer functions than analogues. Provides an opportunity to create works using ready-made templates or create your own, add animations, visualize text and much more.

## Summary and conclusions.

With these apps, medical students can become more productive in their studies, access up-to-date medical information, and improve their understanding of complex concepts [4]. They help students to save, create interactive learning materials and independently check their knowledge [5].

This list of relationships should be used in the preparation of educational material for students of higher medical institutions. He will become a reliable assistant to students and contribute to their academic and professional success.

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