USE OF INFORMATION TECHNOLOGIES IN INDEPENDENT EDUCATION

Dr. Aysulyu J. Janabergenova

Doctor Of Philosophy In Pedagogical Sciences (Phd), Lecturer Department Of Mathematics Teaching Methods Nukus State Pedagogical Institute, Uzbekistan

ABSTRACT

This article shows the significance of modern technologies in modern educational process as well as provides a number of web-technologies to enhance student's performance in their independent education. In addition, this paper presents the numerous advantages of information technologies in the classrooms and extracurricular activities.

KEYWORDS: - IT, information technologies, education, independent education, Internet, web-technology, advantages.

INTRODUCTION

In the era of innovative development and modernization of the educational system, the issue of the use of modern technologies in education, especially in the independent education of students, is especially relevant. In recent years, more and more people are talking about the use of Internet technologies as a technological basis for independent education of students, which is associated with the increased capabilities of technical means of communication and the spread of the Internet computer network. The following factors, due to the didactic properties of this information technology tool, speak in favor of such a basis for various models of education:

- the possibility of extremely prompt transmission of information of any volume, of any kind (visual and sound, static and dynamic, text and graphic) at any distance;

- the ability to quickly change information via the Internet from your workplace;

- storing this information in the computer

memory for the required length of time, the ability to edit, process, print, etc .;

• the possibility of interactivity using specially created for these purposes multimedia information and operational feedback.

• the ability to access various sources of information, primarily Internet Web sites, remote databases, numerous conferences around the world via the Internet, work with this information;

• the ability to request information on any issue of interest through electronic conferences; The Internet has removed or significantly reduced the temporal, spatial and financial barriers to the dissemination of information, created its own integrated information structures.

Naturally, this is of great importance for the educational system, because information is the "habitat" of all educational programs. In the understanding of many methodologists around the world, the organization and promotion of self-study can be based on the computer network of the Internet and Web-technologies.

THE MAIN FINDINGS AND RESULTS

One of the methods of using informative technologies in the independent education is SMART-education. SMART technologies are an integral part of the educational continuum, the interaction between teacher and student, geographically separated from each other. By the help of this kind of technique, students develop special skills and abilities that are in demand in e-learning (technical skills in computer management, the ability to use electronic resources correctly, independence, organization, systematicity).

On the other hand, the initial INTERNET resources can fulfill the needs of the student to develop their skills in various fields. For instance, if the student is taking and English course at the educational institution or is an English major, he/she can use one of the following Internet portals and site in order to improve his/her comprehension.

Online resources with a brief description of their functions and opportunities for teaching mathematical disciplines

№	Name of the source and the link	The opportunities of using it in independent education
1	Peergrade https://app.peergrade.io/courses	A resource for assessing students' knowledge and skills based on feedback provided by other students with the ability to create online classes.
2	ClassMarker https://www.classmarker.com/	Creation of various tests: with the choice of correct answers, true / false, matching tests, tasks with entering sentences or correcting errors, as well as essays and arbitrary answers. It is possible to create an online class and track students' progress in their personal account.
3	Cloze test http://l.georges.online.fr/tools/cloze	Cloze-test tasks ("closed" test) to check the knowledge of abstractions, algorithms, inductions, matrices etc. Optionally, you can remove or leave hints. Can be used to develop general knowledge on the topics.
4	Canva https://www.canva.com	Create text documents and videos: posters, presentations, brochures, charts, posters, infographics, resumes, etc. with the ability to save them in various formats, download and transfer links to the created files.

5	TedEd https://ed.ted.com/lessons	The ability to create assignments and exercises for the content of lectures.
6	Steller https://steller.co	Create small digital books with the ability to upload photos and videos. This is especially crucial for mathematical disciplines since usually topics require a big usage of tables and figures. To work, you also need to download the Steller application from the Google Play market.
7	Gap-fill Johnsels https://www.johnsesl.com/generators/gapfill/gapfill.shtml	Gap-fill work. Created tasks can be printed and downloaded, but there is no way to save them in your personal account.
8	Mathforums https://mathforums.com/	Discussing every day tasks and math topics on the web and having chats and discussion sessions with the peers all around the world.
9	Plus Maths https://plus.maths.org/content/	One of the biggest databases for math-related articles and research papers as well as for games and videos. Additionally, the resource provides access to an extensive database of ready-made tasks, based on which the students can practice their knowledge.

Innovative web-technologies and Internet have a number of advantages for continuous education among learners, in particular language learners. Firstly, they induce motivation among students for

cognitive activities, especially design. Secondly, it is noted that the use of such training creates a more comfortable psychological climate for the student, in particular, relieves stress when communicating with the teacher. Thirdly, a creative space is open for the student, thanks to which the number of high-quality and interesting works increases. And the last but not least, informatization stimulates not only students, but also attracts teachers to a greater extent due to the increase in the productivity of their work and culture.

CONCLUSION

Summing up, there is a wide usage of innovative technologies in modern educational process, especially in independent learning among students. One of the types of innovative technologies of XXI century mentioned in the article are Internet and web-technologies. Artificial intelligence is indeed one of the most powerful assets of new generation. Moreover, while talking about the web-technologies, nine crucial sites and portals full of web-technologies and opportunities are mentioned above, providing the basis for practical use of the knowledge gained during the lessons. The high usage of IT in modern education provides effective

and fast results among students in reviewing the new information and remembering it for implementation in life-lasting skills.

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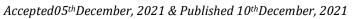
Crossref **doi** 8+ Google Scholar

technology and independent learning. Metalurgia international. 17. 108-112.