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ENHANCING FOREIGN LANGUAGE TRAINING

USING INFORMATION AND COMMUNICATION TECHNOLOGY

KHUJANIYA ZOVA GUZALYUL DASHEVNA

Senior teacher Urgench branch of TUIT named after Muhammad al Khwarizmi

Annotation

The article's goal is to highlight the issue with using information technology in educational settings. The specifics of the introduction of information technology in the research of individual subjects were decided upon based on the regulatory framework, scientific and methodological literature analyses on the subject of the study. The benefits of utilizing IT in the educational process are highlighted, and the writers list the most popular multifunctional office software and IT tools. The authors draw the conclusion that one of the contemporary techniques to enhance the educational process is through the diversification of a wide range of forms and teaching methods, which is made possible by the use of information technology in education. The article is meant for educators who work in fields relevant to the creation and application of contemporary information technologies in learning, including teachers, methodologists, and students.

Key words: computerization of the educational process; information technologies; information; graphic arts; students; and system and application programs.



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Many people in our nation are currently actively expressing interest in the modern educational system. Many of them are frequently school-age parents who are worried about their kids' education. Even those who are not directly involved in the educational process can identify issues in the field of education, but teachers are undoubtedly the ones who are most acutely aware of the issues and inconsistencies that are now present. All areas of human activity use information technology, which are dispersed through social information flows and create a global information space. Due to the necessity for updated information in today's culture, they are becoming more common. Information technology is used in almost every aspect of society. The computerization of education is the key component of this approach. Since the use of information technology considerably expands the number of pedagogical approaches for instructing pupils, the Ministry of Uzbekistan now gives the informatization of the educational process a great deal of attention [1]. All areas of human activity have been and still are impacted by computer technologies. Any business in which electronic computers are not used is inconceivable. Computerization has also occurred in the educational sector, which is not an exception. In addition, computers are not seen as an additional learning tool but rather as a crucial component of the educational process that is intended to greatly enhance its efficacy. [2]. However, the computer is not always used to its greatest potential for solving educational problems. This is because information technology has not yet been properly applied in the classroom. However, not all of computer technology's potential in education is utilized. Many teachers lack knowledge of how to use new digital technologies in the classroom and are unfamiliar with them. Due to the specificity of their training, computer science teachers typically



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conduct lessons at school using computers, which does not accurately reflect the conditions required when using computer technology for teaching other courses. The expansion of educational topics within the context of teaching computer science is significantly impacted by the development of new computer technology. Recent years have seen an upsurge in interest in Russian pedagogical science due to the issue of the extensive use of computer technology in the educational setting. As a result, the teacher of computer science must constantly enhance both their content expertise and instructional strategies. However, not all educators are prepared for this. Teachers will occasionally say, "We weren't taught this. This info wasn't shared to us. It was not covered in the course. However, the standards for modern teachers demand that they possess skills in the area of self-education.

The potential for social innovation is increased by modernizing the educational system. It is founded on the application of fresh conceptual methods for education growth. With the advent of the new State Educational Standards, it is now possible to adopt a system-activity approach to teaching that relies on the use of cutting-edge pedagogical technology to foster the development of universal learning activities (ULA) and a number of competences [3]. One of the most crucial areas of modernization is the implementation of IT. It enables people to gain information competence, raise their educational level, and unlock their full intellectual potential. The last ten years have seen a significant computerization of schooling: more and more classrooms are outfitted with computers, and more and more media resources are offering textbooks. A classroom nowadays would be inconceivable without the teacher's computer, interactive whiteboard, and other technology. Information technologies cover procedures and techniques for



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gathering, accumulating, storing, searching, processing, analyzing, and disseminating data, information, and knowledge in line with the demands placed on users based on the use of software and hardware. Information technology primarily consists of three things: a set of technological tools, software, and organizational and methodological support systems. Information technologies enable people to be aware of happenings not only in the present but also in the past thanks to communication and information carriers. Analog and digital information technology are the two categories. Digital information technologies use a discrete method of representation in the form of binary arithmetic, whereas analog technologies use a continuous random variable to represent information. Information is more shielded from interference when it is represented digitally, even when it is being transmitted through communication channels. As a result, informatics and information technology are tightly intertwined. The science of methods, instruments, and technologies for their automation, creation, and use is known as informatics. The subject of informatics includes material that has the potential to influence students' thinking. Such themes include "concepts," "structuring information," "reasoning," etc. As a result, informatics as a topic in school is required to help students develop their information-working and cognitive skills. [4]. A systemic perception of the world, the development of unified information links between various natural and social phenomena, and systemic thinking are all developed in computer science lessons. The level of these abilities is largely determined by the ability to quickly process information and make decisions based on it, which necessitates additional opportunities from students and teachers, as well as the use of all new methods and teaching aids. [5]. The experience of teaching computer science shows that frequently,



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computer science teachers are unaware of the rich resource of their field and do not intend to contribute to the improvement of students' mental faculties during the study of computer science and ICT [6]. Computer technology may be highly beneficial in all academic subjects since it gives students the chance to show graphic, audio, and video files. Additionally, there are numerous tools available that allow you to fully consider object models, simulate any event or process, carry out any complicated computations, and offer in-depth analyses. With so little time available, all of this enables you to do tasks that are frequently challenging or impossible in real life [7]. For instance, one of the tasks in biology lectures is to think about plant growth. With the use of computer technology, it is possible to simulate plant growth and follow important stages in just a few minutes, but in real life, this would take more than a month. Or when you must combine reagents and monitor a chemical reaction in chemistry. In practice, the same reagents, preparation, and mixing steps are necessary and involve some degree of risk. All of this is accomplished quickly with the aid of a computer. A more illustration, this time drawn from mathematics. It turns out that even after extensive solution of the example, the solution does not converge. Instead of starting from scratch, you can enter this example into the computer, which will instantly solve it and provide you with a thorough solution and answer. You can identify a mistake in your calculations after examining the result, then go back and fix it [8]. In short, the current state of such training does not meet the demands of the second generation of the State Educational Standard. Remember that this is a normative text that must be put into practice and that it provides specifications for developing cognitive, or logical, all-encompassing educational acts in schoolchildren, such as comparison, generalization, concretization, analysis,



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synthesis, bringing under the concept, etc. These actions need to be used when engaging in learning activities, such as problem-solving, doing training exercises, and learning new topics. This calls for planning adequate intellectual activities at every step of the session and in the classroom in terms of teaching practice. different objective. The most often used multipurpose office programs and IT tools in contemporary educational institutions include: spreadsheets, text editors, organizers, database management systems, graphic packages, and programs for preparing presentations.

The use of IT in the educational process benefits students' cognitive activity, their interest in the study of specific subjects, their consideration of modeling and visualization of complicated processes and events, and their ability to use the Internet to obtain the information they need.

Benefits of using IT include the ability to use audio and video information in classes, assimilate concepts with the aid of graphics, use a differentiated approach with students at various readiness levels, and facilitate the quickest possible communication between teachers and students. There is no denying that information technology's many benefits aid in learning. The primary pedagogical objectives of information technology in the classroom are the development of the student's personality, including the improvement of knowledge in experimental activities, the improvement of communication skills, the development of creative thinking, and the capacity to make novel decisions in challenging role-playing situations. Russian teachers who are working on the idea of "electronic pedagogy" tend to pay close attention to concerns relating to building information technology resources.



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They think that information technology offers developmental education many benefits. These days, distance learning is the most popular. This type of schooling is the subject of extremely distinct, and frequently wholly opposing, ideas and opinions. This is due to the fact that, up until quite recently, practically every form of instruction that involved the distribution of at least a portion of the course materials for independent study was deemed distant learning. Distance learning is becoming more and more linked to a closed learning system. The Internet serves as the primary medium for communication and information provision in it.

The instruments for individual learning, the information support required for studying, checking and self-checking, a system of final control measures, etc. should all be provided by a properly created shell. Given the variety of computing systems currently developed, the funding is more than adequate for this. Distance learning takes into account the interactions between a teacher and pupils who are far from one another, and it replicates every aspect of the typical learning process. The concept of employing computers in schools when it is somewhat required to replace the instructor in blended learning in primary school or as a way to make up for the professional inexperience of a part-time teacher is not wholly novel, but it is no less exciting [9]. Many institutions currently have an online learning platform that gives students the option to study both on campus and from home. For pupils in Distance learning is more important in rural schools than it is in urban ones. Everyone has equal access to higher education through distance learning. You can enroll in any international university and earn a credential that will be valued thanks to this form of education. The flexibility of the educational process' location and timing is a benefit of distant learning. The lack of public



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knowledge of distance education is a barrier to its progress. But despite this, interest in distance learning is rising. About 40–50% of people are anticipated to pursue their education remotely in the near future [9]. For educational institutions, the global Internet network offers many advantages. It offers the most practical alternatives for arranging distance learning and is widely used and safe. The Internet offers many different services, one of which is the ability to set up a system to facilitate distant learning. It is significant to highlight that the school has a computer with access to the internet. As a result, it will be possible to use the school as a regional hub for the open education system, enabling applicants to further their studies remotely in a variety of professional and higher education institutions [10]. Computers are extremely important in schooling. They speed up numerous operations, carry out knowledge quality monitoring, aid in improved information assimilation, etc. However, no computer can operate to its full potential without a human operator, as no matter how advanced the computer infrastructure, a teacher is still the only person who can effectively instruct children [11]. Additionally, information technology enables game-like development and the planning of learning as a group activity for pupils. Due to the importance of information, information technology plays a significant role in modern civilization. Due to such a crucial element of the educational system as visibility, which information technologies may fully give, information technologies in education enable a diversification of the palette of forms and methods of teaching for a more detailed amount of information. The informatization of education, and in particular the use of information technology, is one of the contemporary methods for enhancing the educational process in schools. The term "informatization of education" refers to more than just



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education itself. This includes the organization and management of educational activities as well as the organization, control, and measurement of educational processes, extracurricular activities, research, and scientific and methodological activities. The use of information technologies in the classroom makes it easier for students to learn material in-depth and makes it easier for teachers to carry out their duties.

Thus, the process of learning is changed in some ways as a result of the informatization of education. The activities of the teacher and the student are changing to become more computerized. The learner can use, gather, and process a lot of different information. The teacher is released from typical tasks and given the chance to investigate the learning process and monitor the progress of the pupil. The use of information technology in the educational process is generally not something that teachers are prepared to shift from traditional teaching approaches to. The major purpose of computers is as an additional teaching tool. Information technology utilization boosts educational activities, the standard of the learning experience, and the efficacy of students' individual activities. Additionally, the incorporation of information technology into the educational process trains trained professionals in the creation and implementation of cutting-edge technologies and methods for informatizing education. Focusing on a new level of instruction is what is meant by educational information technology. The institution has a responsibility to equip its graduates with the skills they'll need to succeed in an information-overloaded world. Additionally, information technology more strongly encourages people to learn, perform diverse research initiatives, and produce original ideas and articles. In order to educate students



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for life and work in the new information society, information technologies must be used in the educational process [12].

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