

USING ICT OPPORTUNITIES TO IMPROVE STUDENT THINKING SKILLS

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ABSTRACT

In an era of rapid growth of current information technologies, the efficacy of secondary educational institutions' educational processes is directly dependent on the professional preparation of future teachers. Subsequently, the current article focuses on the potential uses of information technology to increase pupils' thinking skills and cognitive abilities.

Keywords: Information technologies, pedagogical experience, interactive board, multimedia, electronic textbook, information culture.

INTRODUCTION

Students can engage in individual or group creative work, investigate, monitor the results of their work, approach critically, and enjoy their success in assistance of modern information technology. To accomplish this, the teacher must be allowed to select the type of lesson he will provide. A successful lesson's major purpose is to raise the student's interest in the lesson and to give instruction based on the time constraints.

The success of the lesson is determined first by the instructor's knowledge, entrepreneurship, and experience, second by the lesson topic, third by the type of lesson, and fourth by the teacher and student's mood. Making the class appealing and successful involves much research, knowledge, skills, and innovation on the part of the teaching team.

An interactive whiteboard, multimedia, and online classrooms are examples of information technologies. Working with an interactive whiteboard to computerise the learning process is successful. Almost all secondary schools in Uzbekistan are now outfitted with interactive whiteboards.

MATERIALS AND METHODS

An electronic textbook is another option for introducing information technologies. The electronic textbook is a novel system based on the didactic technique and the application of information technology. Teaching with an electronic textbook is analogous to having a teacher work one-on-one with a student. The electronic textbook serves as a didactic methodological guide for both the student and the teacher. Furthermore, it allows teachers and students to save time by organising instructional activities. The most important condition for preparing university students for the use of ICT in their future professional activities is the use of modular technology for the presentation of educational material on the use of ICT in the pedagogical process. In addition, during the study, we came to the need to find a special form of teaching students to use ICT in their future professional activities. It ensures the productivity of preparing students for professional activities and individualization of their educational and cognitive activities[1].

It is impossible to become a qualified and thorough specialist in the field of modern education without understanding innovative teaching technologies. Adoption of new technology has a favourable impact on the development of intellectual, professional, moral, and spiritual citizenship; the human image of the teacher; self-improvement; and successful educational process organisation. The teacher's primary purpose is to conduct each lesson clearly, beautifully, and effectively. The utilisation of current information technologies is one approach of implementation. As a result of it "The use of information and communication technologies is an opportunity to get into the essence of the problem and its proposed solution, to determine the methods that allow us to solve the problem constructively and effectively, to find the necessary information, and to plan to work on it using practical pedagogical experience. Today, the high level of development of information and communication technologies and the Internet has created wide opportunities for students of science and led to a radical change in the attitude of students towards the educational process." [2].

RESULTS

In general, through students' knowledge of information technology fundamentals:

1. The student's interest in science increases, and his passion awakens.
2. Creative abilities increase.
3. Teach quick thinking, which increases the quality of education.
4. Students are used to working independently.
5. Increases computer literacy.

In our perspective, there are two types of forces that drive a youngster to study: The first type of motivation comes from outside sources; in this situation, the youngster learns because he is inspired by others. The youngster acts indirectly rather than directly; s/he must comprehend the actions of others in order to preserve himself. Second, the youngster's attention and desire to study the secrets of numerous occurrences can be seen.

Today, using innovative methods and information technologies, the main goal is to increase the student's thinking ability, develop his curiosity, arouse his interest, and increase his activity. The use of information technologies in the field of education allows the teacher to change the organised types and methods of teaching, as well as the content.. "A number of scientific research are being conducted in world educational and scientific research institutions on professional-pedagogical training of students in a digital pedagogical environment, improvement of the diagnostic system for the formation of pedagogical activities, creation of an electronic monitoring system for the formation of creativity, formation of an information environment, and pedagogical activity culture. Clarifying the theoretical possibilities of introducing digital technology of development, improving technologies and models of training specialists for professional pedagogical activity, special didactic teaching methods, and the development of skills for working with electronic platforms, virtual and animated information are all important." [3].

In general, it is evident to all of us that teenagers growing up in today's world use digital and information technology extensively. As a result, using the student's interest to boost the effectiveness of the lesson and teach future society-oriented and competent representatives is

appropriate. "There is an offer according to the demand," as they say, and the teacher should labor according to the demand of the time.

DISCUSSION

Education includes the advancement of information and communication technology. In recent years, the use of computers, electronic textbooks, and interactive whiteboards in daily courses has proved effective in keeping with current trends. Electronic communication, information exchange, the Internet, e-mail, teleconferences, and online classrooms are used to carry out the educational system. "Development of information and technology-based educational processes, unification of information resources among distinct educational institutions, and establishment of information spaces when creating such spaces and organising information in educational institutions, that is, combining all educational, library, administrative, and management departments into a single network, allowing them to access the Internet, and monitoring the educational process in educational institutions, tasks such as organising independent educational activities of students by creating electronic exchanges of documents and creation of special educational-methodical complexes based on information technologies. The use of information-educational resources, such as the creation of educational websites, is currently highlighted in the performance of such duties." [4].

Today, the major goal is to raise the student's thinking ability, expand his curiosity, awaken his interest, and increase his activity by implementing creative methods and information technology.

The utilisation of information and communication technology is critical for the development of a competitive national education system and its global educational prospects. As a result, educational information and communication technologies must provide chances for the comprehensive formation of the student's personality, knowledge acquisition, and evaluation of educational quality throughout the educational process". The purpose of educational websites is to provide the users with the essential knowledge in a short amount of time and with minimal transitions between different interfaces. First and foremost, the organisation of educational information sites should suit pedagogical and psychological standards. The following criteria are critical in this regard: The information resources provided must be reliable, appropriate to the current state of the relevant science, systematic and sequential, demonstrative, and connected with practice; educational materials are to be provided in a mutually optimal option of scientificity and ease of acceptance; and the presentation of teaching-methodical materials is to be directed to the individual".

The primary goal of using new communication technologies is to make it feasible to deliver educational materials in a practical form that allows students to thoroughly learn the materials. These objectives are served by software products such as electronic textbooks, exam programmes, and e-learning programmes. The use of information technologies in production training and the development of information competence in students through the use of information technologies, electronic textbooks, and Internet resources based on modern requirements allow the student's creative ability to develop during the educational process. One of the most pressing issues in the system of continuous pedagogical education is the development of students' information competence and culture.

Effectiveness of using information and communication technologies in the lesson:

- student's independent work;
- gain a lot of knowledge in a short time and save time;
- knowledge-checking skills through test tasks;
- preparation of creative reports;
- distance learning opportunity;
- the ability to quickly obtain the necessary information;
- teaching to learn subjects and tasks that require movement and action;
- the ability to see and feel the amazing processes of nature and the results of various experiments that cannot be seen and felt with ordinary eyes, ears, and hearing;
- has a great impact on expanding the student's worldview.

Improvement of all levels of the educational process based on the use of information technologies:

- increase the impact and quality of the educational process;
- deepening of interdisciplinary relations;
- simplify the search for the necessary information and increase its volume.

Personality development and preparedness for life in the information society.

- the development of communication abilities; - the construction of skills for making optimal decisions or finding solutions in challenging situations.
- delivering aesthetic education through the use of computer graphics and multimedia technology;
- developing an information culture and the ability to acquire the information.

SUMMARY

Formation of the skills for wide use of information and communication technologies in pedagogical activity at a high level is one of the requirements for the professional training of school teachers. The processes of digitalized information in modern society and all forms of the educational system closely related to them are characterized by the processes of assimilation and mass distribution of new information and communication technologies (ICT). Such technologies are actively used in new systems of education to establish relationships between teachers and students and to exchange information. A modern teacher should not only master ICT knowledge but also be a specialist who can use it in his professional activities.

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