The Use of Information Technologies in Education

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Annotation: *Nowadays, acquiring computer knowledge has become the need of the hour, and the reason for this is that the demand for computer literate personnel is increasing day by day. From this point of view, it is necessary to use modern computer programs as much as possible in various forms of teaching - theoretical, practical, seminars and other trainings to meet the requirements of the 21st century "technological era". The reason for this is that it is appropriate to use the computer as a technical tool for teaching students to learn independently and to determine their mastery levels.*

Key words: *theoretical, minors, communication interaction, E-mail.*

Introduction

A system of theoretical and approximate programs is being created for the wide and effective use of computers in various subjects taught during the education process. In our opinion, it is appropriate to focus on the implementation of approximate tasks in the organization of independent training sessions. Therefore, one of the urgent issues of today is to pay attention to the improvement of students' ability to work with computers and their approximate programs. It is necessary for students to acquire the skills of working with modern information and communication tools, to be aware of the events happening in the world, to improve their knowledge and to have acquired the skills of working with the Internet.

Of course, improving the efficiency of the teaching process and raising the quality of education as a result of independent learning of students is considered one of the main duties of the teacher, and it is related to his ability to organize the teaching process correctly. If there are all sufficient conditions for the student - study materials, computer equipment, automated programs, etc., but their use is not well organized, the study process is not properly organized, high the result cannot be achieved. In any case, the interaction between the teacher and the student takes a necessary place.

In order to organize the independent education of students in subjects and their independent learning, it is necessary to take into account their pedagogical and psychological characteristics. In order to implement the use of computer technology in the organization of independent education, it is necessary to do the following:

- Development of a criterion for evaluating the quality of mastering the main concepts in the subject.
- Development of special computer programs for students' independent mastery of the main concepts in the subject.
- Preparation of necessary computer equipment necessary for students to learn independently of science.
- Finding effective ways to use modern computer software to acquire knowledge in accordance with the level of mastery of students in the educational process of higher education institutions.
- Students should observe the following when preparing and completing independent work tasks:
- during the selection of independent educational tasks related to examples of lectures, ensuring their consistency with the subjects to be studied in the audience;

- to achieve a clear emphasis of the topics and the main questions that need to be studied independently at home;
- to take into account that the tasks of the approximate exercises are proportionate to the studied theoretical reading materials;
- taking into account the creation of existing methodical developments related to the execution of approximate works, independent works;
- create a clear list of examples and issues that need to be solved independently;
- information support of independent work tasks, in particular, the list of literature, pages with illumination, electronic reading guides and Internet address, etc.

At this point, I would like to give a brief information about the Internet, the Internet is a network that can connect many networks and give access to the world community. Currently, the Internet is used not only for the transfer of files and e-mail messages, but also for searching and using information resources of various kinds on the network. Another possibility of the Internet is e-mail.

E-mail is a paperless mail that is distinguished by its speed and offers new information services to users. As you know, there are many search engines available on the Internet today. Mail to these. ru, rambler. ru, google. ru, google. uz, nation. ru yahoo. com and other search engines. One of them is mail to complete the assignment. In ru, tasks such as searching for the necessary information, sending information via e-mail are performed.

To launch the Internet Explorer browser program, click on the program icon on the "Desktop" or on the program name in the program list in the "Programs" section. In this way, the browser window and in most cases mail. The ru search system window appeared.

If you need to search for materials related to the subject of "Natural Geography of Uzbeks", enter the word "Geography" in the "Search" section of the program window and press the "Enter" button. In this way, a sequence of sites for the text that the student is looking for has appeared.

You can select the desired one from these sites and browse the information on it. To get the necessary information in full or in pieces, first select the data and select the "Copy" command from the context menu by right-clicking the mouse, then start the Word program and select "Paste" from the context menu in the employee area ” command is selected. A copy of the text marked in this way will be visible in Word. In this way, it is possible to get information from several sites. To get the necessary information, it is necessary to obtain a copy of the site name. It is necessary to copy the name of the site in the "Address" section at the top of the information created due to the selection of the site and place it at the top of the received information. Don't forget to keep this guide in mind.

If the student already knows the name of the information site he needs to search, it is enough to enter the name of the site in the "Address" field of Internet Explorer to search for it.

It is better to search for the necessary information in search systems in Russian and English languages, because there is not enough information in the Uzbek language.

From this point of view, the student's cognitive activity, that is, his ability, is measured by his intellectual development level. A measure of cognitive ability includes speed of acquisition, flexibility of thought processes, and concrete components of thinking. The concept of cognition is generally close to the concept of mental abilities in essence. General intellectual ability embodies all the abilities required in the student's

study. This includes the student's ability to retain the study material in memory, creative thinking, logical operations. These abilities are divided into different classes in psychology and are referred to differently.

Students' reading skills emerged during independent work with reading materials. In other words, reading skills are the ability to receive and process reading material, distinguish its necessary aspects, share newly acquired knowledge with the previous ones, generalize reading knowledge, repeat it, and apply it to problems in practice. is taken in the solution. Thus, reading skills are related to all learning and cognitive services in the educational process of students.

Any form of study work is a learning skill, for example, listening to a teacher's lecture, completing approximate assignments, working with test tasks, independent work skills. In the process of students' independent knowledge of science, independent work skills are required first. Such competence appeared in the process of independent work with reading materials. In other words, reading skills are the ability to receive and process reading material, distinguish its necessary aspects, share newly acquired knowledge with the previous ones, generalize reading knowledge, repeat and apply them in practice to problems. is occupied in solving.

Based on computer technology, the software didactic collection prepared for the study subject "Natural Geography of Uzbeks" is important for students, regardless of which field of study they are in, to independently master the subject and determine their knowledge levels. is enough. This arouses students' interest in science, the history of their homeland, political-economic-social geography, and develops the skills and abilities to receive, understand, assimilate and consolidate knowledge, remember well, and apply it in practice.

Creation of electronic manuals (programmatic-didactic compilation).

didactic condition - to select its content based on the specified matlab and task for teaching the subject, to distinguish the educational methods, educational tools and forms of teaching according to the purpose of teaching the subject. Ensuring continuity in higher education is directly related to the purpose and content of the pedagogic system, the positive outcome during the study process, interactive methods, visual aids, and evaluation forms. Many of our pedagogues ask "What method to use?" they face the problem of Often this problem is solved using the lecture method. The choice of educational methods in the course of the lesson is related to the content of the subject and the technology of explaining its specific content is selected, taking into account the psychological readiness of students, the levels of knowledge acquisition and thinking, and the appropriate methods for different educational stages. .

In order to increase the effectiveness of education, ensure the interactivity of teaching, and motivate students, we are creating a didactic program:

- taking into account the specific aspects of the teaching of reading subjects;
- performance of demonstration in a certain way;
- organization of the basics of science study connection;
- it is appropriate to take into account the mutual direct communication relationship between the participants of the communication.

An electronic lecture is a collection of reading materials in electronic form, a multimedia system that includes the text of a lecture, didactic materials, additional information, interactive activities and hyperlinks. In higher education, the following format and structure is proposed for electronic lectures: lecture topic; a

brief annotation that illuminates the main content of the lecture; lecture plan for logically completed departments and topics; a list of basic and additional literature that allows for a deeper assimilation of theoretical data; a final outline and conclusions that conclude the lecture. Distinctive features of lecture texts in electronic form: lecture content has a clear structure; study materials are divided into blocks; there are hypertext links; means that complement the reading material, i.e. sound, animation, graphics are used.

Lecture texts in electronic form can be mainly in 3 different forms:

- Online lecture;
- Electronic lecture in the form of Off-Line;
- Electronic copy of the lecture text in hard copy.

Electronic lecture in the form of On-Line - is delivered to students in a size of 50 Kb file, keeping all the possibilities of electronic lectures through the Internet. The electronic lecture in Off-Line format is intended for use in the case technology system, the file size is not considered.

Multimedia e-lectures include slide show. With the help of a slide, the speaker can clearly and visually convey some of the knowledge of the new topic that is more difficult for students to understand in the presentation. The process of creating slides in natural sciences is somewhat complicated, requires a creative approach and strict adherence to general stylistic rules.

The software didactic package covers the following in the organization of interactive communication with the help of a computer: the learning activity of the learner is formed, the level of knowledge acquired by the learner during the learning activity is controlled, the training process is formed as an approximate exercise and independent education, find and analyze the necessary additional information on the texts of the lectures and create an opportunity to work independently on them.

In conclusion, due to the use of modern information technologies in the educational process, students achieve independent knowledge of science, creative research, and teachers, in turn, use the electronic version of the didactic materials prepared by science. updates it in time and tries to use it productively and effectively with a scientific and creative approach.

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