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Research Article

USE OF MODERN TECHNOLOGIES IN TEACHING THE SUBJECT OF GENERAL LAND KNOWLEDGE

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ABSTRACT

In today's modern educational system, multimedia technologies are considered important, and its important feature is interactivity - the ability to influence the user in the operation of the information environment. It will be possible to study the psychological-pedagogical possibilities of modern information technologies (IT) from this point of view and develop effective options for their introduction into the educational process. Personal and pocket computers, network resources expand our knowledge and communication possibilities.

KEYWORDS

Multimedia technology, Scientific and technical models, Game models, Simulation models, Modern information technologies, Assessment technology.

INTRODUCTION

Since the second half of the 20th century, as a result of the transition from the industrial era to the era of information technologies, the need to acquire information related to the field of education has increased. This, in turn, requires every geography teacher not to limit himself to the acquisition of knowledge within the scope of the topics specified in the curriculum, but to carry out creative activities, research work, and create conditions for the development of creative and critical thinking.

Each pedagogue plays a key role in introducing innovations to the educational process in the higher education institutions of our country. No matter how much the content of education is updated, no matter

how new programs and standards are created, their application to the educational process depends, first of all, on the teacher. Therefore, only as a result of the geography teacher continuously studying everyday information and fully applying it to his work, the educational process will be at the level of modern requirements.

In today's modern educational system, multimedia technologies are considered important, and its important feature is interactivity - the ability to influence the user in the operation of the information environment. The emergence of a computer and a multimedia projector made it possible to prepare and display visual materials as a presentation, incorporating all the necessary aspects of quality organization of the speaker's speech in cooperation with sound, video and animation.

Multimedia technology - allows the use of several methods of presenting information at the same time: text, graphics, animation, video, sound, etc.

In recent years, many multimedia software products have been created and are being created: encyclopedias, educational programs, computer presentations, and more.

Multimedia product:

First, a software product that certainly provides interactivity to the user, that is, provides the exchange of commands and answers between a person and a computer, and creates a dialogue environment;

Second, the environment in which various video and audio effects are used.

Macromedia Director – serves to create presentations and multimedia products. This program allows you to work with MMX-technologies, as well as with buttons, slides, clips and animations.

Multimedia applications are divided into:

presentations;

animated films;

games;

video applications;

multimedia galleries;

audio applications.

It is possible to consider the professional direction and comprehensive information of the educational process as the main principles of ICT formation of the teacher. The principle of professional orientation envisages the integration of theoretical education and interdisciplinary communication in order to prepare the pedagogue for the active use of ICT in professional activities in accordance with personal interests and educational tasks. The principle of comprehensive informatization of the educational system envisages the establishment of an ICT complex that will allow the formation of AKK at the level required by the pedagogue.

The introduction of ICT in the educational process in the context of person-oriented education helps to improve the quality of education. The formation of the teacher's readiness to organize personalized education using ICT leads to an increase in the effectiveness of the educational process.

It will be possible to study the psychological-pedagogical possibilities of modern information technologies (IT) from this point of view and develop effective options for their introduction into the educational process. Personal and pocket computers, network resources expand our knowledge and communication possibilities.

Selection of educational resources is based on existing conditions

in this case, it provides for the appropriate selection of educational tools for the organization of the teacher, student and training, and their correct use in the educational process. Teaching and learning strategy - provides for the ways of conveying the specified educational materials to the minds of students, that is, the practical application of the selected educational method and forms.

Educational tools

1) textbook;

2) training manual;

3) tables;

4) distribution and didactic materials;

5) guidelines;

6) technological maps;

7) map of typical errors;

8) assignment sheets are included.

The effective use of interactive methods during training and the management of a holistic, general educational process require the geography teacher to have organizational skills, to show special activity, to be resourceful, and persistent. At the same time, he should have a certain speed of movement, be able to stand in a certain position and be able to have the same effect on students.

When a geography teacher studies the effectiveness of educational activities, he should pay attention to the correct use of interactive methods and the analysis of the results obtained with their help. With the help of interactive methods, it is desirable to educate students not only the ability to think independently, but also the ability to come to certain decisions on certain issues.

As a supervisor, the geography teacher should help to increase the learning activity of each student. In this place, his help can be in the following forms:

- asking questions to students;

- giving appropriate answers to various questions from students;

- clarifying conflicting, unclear, problematic disputes that have arisen among students;

- to help students come to a single conclusion on certain issues;

- urgent information according to the needs of students,

to be ready to provide information;

- to create the possibility of group decision-making on certain issues.

In modern education, the human factor, as well as the priority of humanitarian ideas should be ensured. Therefore, the geography teacher should respect the interests and rights of the students, not their own interests, focus on creating the necessary pedagogical conditions for their free activity, and look for opportunities along the way.

Special attention was paid to the formation of the skills of choosing interactive methods for use in a specific lesson in geography teachers based on the nature and direction of the studied subject. For this purpose, the necessary theoretical and practical knowledge was given.

When choosing educational methods, it is advisable to follow the following general conditions:

1. To achieve compliance with the principles of teaching general earth science in higher education.
2. Taking into account the nature of the topic being mastered.

3. Making sure that it can serve to achieve the educational goal and provide a positive solution to pedagogical tasks.
4. Taking into account the educational opportunities of students (level of preparation, specific aspects of the team, etc.).
5. Taking into account the connection of the subject to training works and experiences, as well as to practice, that is, to life.
6. A teacher's ability to correctly assess personal capabilities (experience, level of training, readiness for situations that arise during the educational process).

In practice, random (unknown) situations with different influence occur in the educational process, the consequences of which cannot be foreseen. The teacher should be prepared for such situations. Given the circumstances that may arise, the chosen methods will be effective.

With the help of modern information technology software tools, there are wide opportunities to create electronic resources on various forms of professional education. Power Point, Macromedia DreamWeaver, Microsoft FrontPage, HTML editors and software tools such as Microsoft Word, Adobe Photoshop, CorelDraw, Acrobat Reader, Director, Macromedia Flash are great.

Computer training on the topic "Data on general knowledge of land" was held in the groups of students of the 302 - geography teaching methodology undergraduate course of HEIs (ASU, NDPI, TDPU). The details of the training were demonstrated on the screen through the video eye. Through the diskette on which the computer training was recorded, conditions were created for all students to re-acquaint themselves with the computer training independently.

Introduction of innovative technology "Pinboard" method (method 1) to the teaching of the subject "Development history of general land knowledge".

The main positive aspect of this method is that the general earth science taught in students greatly helps to form skills and competencies of working with textbooks and manuals, and realizes independent education.

The stage of training is divided into 4 groups, and each group is instructed to learn 4 types of general land knowledge from textbooks and training manuals, and to write down all the formulas, equations and knowledge related to some of them on cards of the same size. The board is divided into 4 parts, and the name of concepts related to general land knowledge is written on the upper side of each part. Each group pastes the knowledge, formulas and equations related to the class it falls into by drawing lots on the blackboard according to the order of the topic questions. "Magnet application" can be used for this purpose. The criterion for scoring is that the group performs the given task in a short time, systematically glues the cards according to the order of the topic. During this process, students' interest and activity increases dramatically. The word "Pinboard" means "to stick on a board". The advantage of the "Pinboard" method is its educational and developmental function. With this method, students' knowledge acquisition skills, logical and systematic thinking skills and abilities are developed.

The task of each group is changed when the concepts of common ground knowledge are passed. For example, a group that includes ideas about the history of the development of common land knowledge, in the second case, is named. This happens when the effectiveness of the technology, didactic materials are fully prepared, group members work in a clear order,

systematic performance of assigned tasks, and, especially, full implementation of independent education of students regarding subject knowledge.

Method 2 To introduce the "Brainstorming" method into the training process, the group was divided into 4 groups. Each group will be asked four questions of different contents to be conducted using the "brainstorming" method:

The answers of each group are written on separate posters with the above questions written on them. As a result, a page with all the answers of the participants will be created. Repeated responses will be identified. Depending on the correctness and completeness of the written answers, points are assigned to 4 groups.

The result of the application of the "Brainstorming" method to the study of the "History of the development of general knowledge" shows that the effectiveness of the training is high.

Controls of innovative description. In modern conditions, innovative tools are used not only to organize the educational process, but also to control the educational activities of students. Two of these tools - the learning portfolio and the "Assessment" technology - will be discussed here.

Assessment technology is a set of tasks that provide an opportunity to comprehensively and impartially assess the level of knowledge, skills and abilities of students, including a biographical questionnaire, a statement of educational achievements, an individual educational assignment, a debate, an interview, a creative work, a test, an individual case, a presentation, an expert consists of observational, role-playing and business games.

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