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Program Technology for Choosing an Effective Educational Methodology Based on Modern Pedagogical Research in The Educational System

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ABSTRACT

New innovative pedagogical technologies have become an integral part of today's education system. This article considers the role of the system in the pedagogical process. Today, the field of education is facing great changes. The rapid development of information technologies, changes in the demands of society and the needs of students created the need to introduce non-traditional approaches in the education system. Unlike the traditional education system, non-traditional approaches guide students to independent thinking, innovative approaches and development of life skills. This article discusses the importance of non-traditional approaches and their place in the modern education process.

Keywords: Education, pedagogy, innovative methods, pedagogical method, technology, intellectual potential, interactive education, methodology, electronic education.

INTRODUCTION

The interest in the use of interactive methods, innovative technologies, pedagogy and information technologies in the educational process is increasing day by day, one of the reasons for this division is that until now, in traditional education, students were only prepared they were taught to acquire knowledge, but in modern technologies, they are taught to find the acquired knowledge by themselves, to study and analyze it independently, and even to draw conclusions by themselves. The pedagogue creates the conditions for the development, formation, learning and education of the individual in this process, and also performs the functions of management and guidance. In the educational process, the student becomes the main tool. Non-traditional approaches mean the use of innovative and creative methods in the educational process, different from the usual classroom teaching methods. These approaches are aimed at activating students, increasing their interest and facilitating learning. This includes distance learning, online courses, blended learning, project-based learning, and other interactive methods. Non-traditional approaches make the student the main participant in the educational process. Students acquire knowledge according to their interests, and the teacher acts only as a guide. It develops their independent thinking and problem solving skills.

Integration with technologies pedagogical methods: Technologies are gaining ground in modern education. With the help of online courses, mobile applications and virtual laboratories, the learning process is interactive and effective. It helps to increase students' activity and create access to various resources. Non-traditional educational methods allow taking into account the individual needs of each student. For example, online platforms allow students to learn at their own pace, revise complex topics, or learn faster.

METHODS

Educational informatization - implementation of the spiritual-pedagogical goals of the educational process on the basis of providing the educational field with modern

information and communication technologies and technical tools from a methodological and practical point of view and using them effectively. is an incremental process that includes the following: Educational informatization is developed only on the basis of modern information and communication technologies as a process of intellectualization of teaching and learning activities. Innovative technologies introduce new changes to the pedagogical process and teacher and student activity, and mainly interactive methods are fully used in its implementation. Interactive methods are considered to be collective thinking, i.e., they are methods of pedagogical influence and are considered a part of the educational content. The peculiarity of these methods is that they are implemented only through the joint activity of pedagogues and students.

Pedagogical technologies - in the opinion of teachers, researchers, and practitioners studying the problems of pedagogical technologies, pedagogical technology is only related to information technology, and it is necessary to use it in the educational process. is defined as computer, distance learning, or the use of various techniques. We believe that the most basic principle of pedagogical technology is that the teacher and the student depend on the technologies chosen to achieve a guaranteed result in cooperation with the specified goal, that is, in the process of education, in achieving a guaranteed result according to the goal every educational technology used can organize cooperative activities between the teacher and students, both can achieve positive results, students can think independently, work creatively, search, analyze, if they can draw conclusions, evaluate themselves, the group, and them, and the teacher can create opportunities and conditions for such activities, this is the basis of the teaching process. In addition, it is necessary to plan the educational process in advance, in this process, the teacher should take into account the specific aspects of the educational subject, the place and conditions, the student's capabilities and needs, and the ability to organize cooperative activities. it is necessary to get, only then, it is possible to achieve the desired guaranteed result. In short, it is necessary to bring the student to the center of education. On the part of the teacher, it is necessary to be able to see each lesson as a whole and to plan the future lesson process in order to imagine it. In this case, the teacher prepares the technological map of the future lesson for each lesson based on the characteristics of the subject, the subject, the capabilities and needs of the students. It is not easy to make such a technological map, because for this the teacher needs to be aware of pedagogy, psychology, special methods, pedagogy and information technologies, as well as to know a lot of methods and techniques. The colorful and interesting nature of each lesson depends on the technological map of the lesson, which has been carefully thought out in advance. Project-based learning, problem-based learning, and more develop students' creative thinking and practical skills. These approaches provide useful knowledge and experience in solving real-life problems. Some teachers and students may find it difficult to adapt to non-traditional learning methods. Students accustomed to traditional education may have difficulty accepting non-traditional approaches. Since non-traditional education is mainly related to technology, educational opportunities are reduced in places with limited access to technological tools and the Internet. At the same time, dependence on technology can also cause some problems. In non-traditional approaches, it may be more difficult for teachers to assess students' knowledge and manage the learning process. This requires new methods of control and quality of the educational process. Today, non-traditional approaches are gaining great importance in the educational process. The same method may not be effective for all students, so non-traditional methods increase the flexibility of the educational system increases. The quality of education can be improved by using methods that match the needs, abilities and interests of each student. Methods such as blended learning and project-based teaching develop not only theoretical knowledge, but also practical skills of students. Distance education made it possible to continue the educational process in unexpected situations such as a pandemic. Information models play an important role in the modern educational process. An information model is a representation of an object through information describing its important features, formalized from the point of view of the purpose of representation, and recorded using signs and images in any material environment [3, 17]. One of the main factors of reforming the education sector in our republic is personal interest and the priority of education. A new model of education was created due to the fact that this factor determined the social policy of our country.

RESULTS

It is necessary to create a virtual lecture, experimental stands, which are the most effective methods and means of information transfer to students, and ensure their use in classes. It allows students to acquire knowledge and solve various problems, accepts, analyzes and evaluates their

answers. The pedagogue creates guidelines for mastering the subject of training and, in necessary cases, provides individual assistance to students, and in cooperation with a methodologist-specialist, creates programs for mastering the subject with the help of a computer. Information technologies open opportunities for students to access non-traditional sources of information, increase the efficiency of independent work, provide opportunities for creativity, creation and strengthening of various professional skills, education gives opportunities to implement new forms and methods. Information technologies provide opportunities to increase the efficiency of practical and laboratory work, to test students' knowledge, to increase their mastery, and to increase their vocabulary. Constantly improving the quality of student training; use of active teaching methods; creation of methodology and automated tools for independent work; ensuring constant updating of training materials, content, form and methods; creation and development of various forms of information provision of this process at training stages; the organization of students' automated test exams was carried out [5].

The multimedia system provides opportunities for independent control of the speed of assimilation of materials, strengthening of professional skills and abilities, and repetition of individual cases. Distance education is based on the use of modern technical means of computer telecommunications. Distance education provides an opportunity to enrich the information base, intensify the interaction between the student and the institution, and fill the methodological wealth of education. In the national program, special attention is paid to the issues of strengthening and improving the material-technical and information base of educational institutions, creating textbooks, training manuals, methodological recommendations, and using pedagogical technologies in the educational process. In order to solve these problems, the training of advanced personnel through the use of modern information technologies is particularly important. In modern education, various pedagogical technologies that significantly change the educational process and increase the effectiveness of education are being used more and more. Universities are also actively introducing and using new technologies in their classrooms. One of such technologies is distance education. This allows students to learn directly from home without coming to class. There are several forms of distance education: online lectures, interactive courses, webinars, etc. Distance learning allows students to flexibly plan their time and study materials in a format convenient for them. Another popular technology is the use of interactive whiteboards in the classroom. They allow teachers to present material visually and visually, and receive notes and comments in real time. Also, students can actively participate in discussions and problem solving, which increases their activity and participation in the learning process. In the following years, technologies such as the use of multimedia and video materials in classes are becoming more and more popular. They allow teachers and students to visualize the material, which makes it more understandable and memorable. In addition, the use of multimedia promotes different formats and teaching methods.

CONCLUSION

Targeted use of new modeling technologies in teaching, in our opinion, helps to form knowledge of new quality. Research and generalization of models, their classification according to modeling tools allows to structure the approaches available today and to make a conscious choice between them for practical use in pedagogical design. In order to classify or choose a particular method or model, teachers are required to have deep knowledge of modeling as a research method and a tool for solving pedagogical problems. In the modern educational process, non-traditional approaches play an important role in improving the efficiency of learning and developing students' creative and analytical thinking skills. Although these approaches cause some difficulties, their advantages are of great importance in the modern education system. Therefore, by using non-traditional methods and combining them with traditional education, it is possible to create a more effective and interesting learning environment. How to create a technological map of the lesson depends on the teacher's experience, goals and wishes. No matter how the technological map is structured, it should reflect the teaching process as a whole, and clearly define the goal, task and guaranteed result, and the technology of organizing the teaching process should be fully expressed. The creation of a technological map frees the teacher from writing an extended outline of the lesson, because all aspects of the teaching process are reflected in such a map.

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