

Innovation Technologies In The Educational Process As A Factor In The Development Of Student Cognition Activities

Egamberdieva Lola Narmatovna

Chirchiq State Pedagogical Institute
Candidate of Biological Sciences, Associate Professor
+998981271557
nodirabegim.2018@mail.ru

Annotation: *The article is devoted to the issues of effective use of innovative educational technologies in Biological Sciences in the system of continuing education. In the organization of the educational process at a high scientific and pedagogical level, proposals were made on the effectiveness of innovative pedagogical technologies and methods of productive use, individual work with students and other aspects.*

Keywords: biology, independent education, curriculum, educational technology, design of the educational process, independent work of the reader.

INTRODUCTION.

Since the early days of independence, the development of the educational system has been recognized as a priority direction of the state policy. Excellent organization of educational and methodological processes is a guarantee of success. Bunday all kinds of lessons and independent assignments teach students to think, to work creatively, to think in every 60 ways, to solve tasks based on their own life experiences. Among the most important issues of our life today, radical changes in the content of education and raising it to the level of modern education occupy the main place. Because the renewal of society, the development and prospects of our life, the fate of the result of the reforms carried out, the independence of the Republic and the formation of a socio-economic policy suitable for the market economy-all this is closely connected with the problem of training highly qualified specialists meeting modern requirements.

One of the main principles in the implementation of the national program of Personnel Training is the re - training of teachers and trainers for the structure and content groundbreaking of the educational system, the harmonization of the activities of educational institutions for the training of highly qualified, competitive specialists, the introduction of advanced pedagogical technologies, pedagogical innovations into the educational process. But advanced pedagogical technologies and innovations do not enter the system of self-education. This is a process that depends on the activities of the teacher and his motivation. Without changing the activities of the teacher, without increasing his responsibility and activity, one step forward in education can not be shaken.

LITERATURE REVIEW

Academic A.N.Y. Leontev quot; the first condition for perception of the world is activity, the second condition is upbringing. In the process of activity, the ability, knowledge and skills of people are formed, which means that activity is social xodisa, and life is the main condition of the struggle," he adds. Today, as a result of the emergence of ideas of a new scientific direction in the field of pedagogy - pedagogical innovation and the renewal of the educational process, a new direction in the pedagogical activity of the teacher appeared in the concept of "innovative activity of the teacher". Innovative activity-implies a creative approach of the educator to the acquisition of existing forms and means of improving his profession. It is also necessary to admit that the scientific sections and classifications that are stable and acceptable to all in the direction of educational innovations and innovative pedagogical activity have not yet formed an excellent composition. One of the main reasons for such a circumstance is the disruption that can be overcome by the difficulty between systems of scientific knowledge oriented to education. Another bigger reason is the disruption between educational knowledge and practical pedagogical activity.

DISCUSSION.

The teacher participates in the creation, application and popularization of innovation as a subject and organizer of innovative activities. He must be able to analyze the content and temperament of knowledge in science, changes in traditions. Innovation is an important part of practice and theory, a system of action of social subjects aimed at improving the qualities of a socio-cultural object. There are different approaches and opinions about the creation of the Moss of this theory of ideas, there is no single opinion in science about its moss.

Innovation is urgent, important, new approaches formed in a system. They are born on the basis of initiatives and innovations, will have prospects for the development of educational content, and will also have a positive impact on the development of the educational system as a whole. Innovation is the end result of technology, forms and methods in a particular field of activity or production, a new approach to solving a problem, or the application of a new technological process, known to lead to much greater success than before.

If the activity is carried out on the basis of a certain concerted approach and its result leads to the development of that system or its printsiplial change, we can say innovation. The criteria for both concepts are as follows: inov the study is carried out within the framework of the applicable theory, it is limited in scope and time, the methods are updated and the result is an improvement of the previous system. Innovation, on the other hand, will be systematic, holistic and lasting, will design a new system of activity in a certain practice, will completely update the positions of the subjects of practice.

The introduction of innovation into practice is carried out in innovative processes. Innovation as a process-innovation is said to be the process of preparing for change and its implementation. Innovation changes in the educational process, the introduction of any innovation in the educational system is envisaged directly by updating and changing the activities of the teacher. Innovations in the educational system, their introduction into practice, the analysis of the management of innovation processes, the opportunity to describe the concept of innovation activity appeared. Innovative activity is a force that brings the pedagogical community into action, initiates progress, develops.

"Innovative activity is an activity aimed at solving complex problems that arise as a result of the incompatibility of traditional norms with new social requirements or the conflict of the new norm of practice with the existing norm," he stressed.I.Slobadchikov. Innovative activity is an important part of this practice and theory, it is a system of action of social subjects aimed at improving the qualities of a socio-cultural object, it is not only the ability to solve a certain range of problems, but also the ability to have motivational readiness to solve problems in any situation.

Innovative activity is a continuous work on the basis of news, which is formed and improved for a long time. While the teacher is guided by the opinions of pedagogical scientists who have studied the features of innovative activity, the following can be considered the main signs of innovative activity: -aspiration to master the philosophy of creative activity; -mastering the methods of pedagogical research; -the ability to create author's conceptions; -experience-planning and implementation of test works; -the ability to apply other researcher-pedagogical; -exchange of views and provide methodological assistance; -prevention and elimination of conflicts; -search for innovations and adapt them to their conditions.

Resorting to the problem of preparing teachers for innovation activities has come into being as a result of the growing understanding of the dynamics of innovation processes in the society. Its analysis not only includes the use of modern achievements that science and technology have achieved, but also covers such processes as innovation izlash, creation, adaptation, implementation and re-examination of the results obtained. In general, the structure of innovative activity is a creative approach, creative activity, technological and methodological preparation for the introduction of new ones, new thinking, culture of treatment. The levels of innovative activity can be: reproductive, euristic, creative".

RESULTS

Innovations in the era of innovation activity, innovations literally come into the educational process. Therefore, the introduction of innovations in the educational system into the pedagogical process is carried out in 4 Stages: 1. To identify the problem on the basis of analysis. 2. Design of a planned learning system. 3. Plan changes and updates. 4. Implementation of changes. The purpose of preparation for innovative activities is to improve the teacher's desire for innovation, the formation of skills and skills of working on an independent self, the skills of conducting lessons and extracurricular activities using new pedagogical technologies, interactive techniques.

"Innovation activity is due to the fact that the teacher is not satisfied with his / her activities. It is on the basis of the desire of the teacher to successfully solve him or her by facing some kind of obstacle in solving this or that pedagogical task." Innovation activity begins with the search for a new idea. Pedagogical innovation requires a new approach from the teacher, since it is directed to the solution of an important and complex issue in the educational process. There are a number of psychological barriers in the preparation of the teacher for innovative activities.

USED LITERATURE

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