



THE USAGE OF VARIATIVE METHODS IN EDUCATION SYSTEM

Safarova Rokhat Gaybullaevna

SRIPSRU "Pedagogy of continuous education
and psychology" department head

Article history:	Abstract:
Received: October 20 th 2023 Accepted: November 20 th 2023 Published: December 26 th 2023	In this article, there is an opinion about variable technologies, their specific features, the possibilities of using variable technologies in the educational process, the role of the didactic infrastructure, and the specific aspects of the activities of pedagogues. This article can be used by teachers, students, professors and researchers.

Keywords: Variation, pedagogical process, pedagogue, individual approach, cognitive approach, independence, pedagogical infrastructure, differentiated approach, concept, communication, competence, multivariate.

Organization of the educational process based on the variational approach is one of the promising directions in pedagogy. Because the quality of education is ensured with the help of variety. According to this principle, different programs, technologies or special types of educational services are offered to learners. It takes into account the special needs and capabilities of learners. Educators repeatedly emphasize the need to develop innovative technologies in this direction and introduce them into educational practice, for the development of this system. The study and implementation of international and local experiences in the field of education will serve to increase its quality and efficiency, as well as contribute to the development of promising programs and technologies aimed at the development of education. Theoretically, the development of effective technologies that serve to develop didactic processes and their many alternatives, as well as their implementation in pedagogical practice, makes it possible to ensure efficiency. The development of educational technologies of a variable nature has been recommended by many experts. N.Muslimov, B.Adizov, B. Mamurov, Kh.Ibragimov can be included among them. Research in the field of implementation of these technologies reinforces the need to focus on its main aspects. As a result of the analysis of educational practice, we tried to justify the need to introduce variable technologies into this process. Among them are the problems that exist in the educational process, the aspirations of the members of the pedagogical team in the field of providing educational services to students, actions in the field of providing students with various educational tools and showing the image of the educational organization, scientific research in the field of developing the educational process based on a humanitarian approach, news of teachers, the pedagogical team. It is possible to include the intuition of increasing the initiative of its members, the efforts of young pedagogues to introduce their acquired knowledge and competences into pedagogical practice, the dissatisfaction of some pedagogues with the achieved results and their strong desire to improve them, the increased needs of parents for the improvement of educational services.

"The concept of development of the public education system of the Republic of Uzbekistan until 2030" shows the need to enrich its content at the expense of didactic tools that serve the spiritual, intellectual, cultural, and physical development of students. It is intended to prioritize the interests and needs of students. It is required to focus on the content of theoretical studies and empirical research on the implementation of this goal. For this, first of all, there is a growing need to provide general secondary schools with qualified teachers who can work with innovative technologies of a variable nature.

Despite the strength of needs for variable technologies in the theory and practice of education, not enough attention is paid to research in the field of its directions, identification of pedagogical conditions, search for effective ways of using variable technologies in the educational process. The fact that there are very few researches related to the application of variable technologies in the educational process is explained by the extreme complexity of this phenomenon and the dependence on many pedagogical factors. At this point, it is necessary to determine the importance of innovative technologies of a variable nature used in the educational process. The need to determine the methodology and pedagogical conditions for the use of innovative technologies of a variable nature in the educational process is becoming increasingly important. For this, it is required to design pedagogical processes implemented in general secondary schools based on a variable approach. It is important to pay special attention to the design of the technology application process. Today, in the educational process, health protection of students, development of their creativity, STEAM, TRIZ, focal objects, integrative teaching, project activity, game, digital educational technologies are effectively used in the educational process. Some of them are the cause of arguments among pedagogues. For example, STEAM technology. Health protection of students and TRIZ technologies are relatively widely used.

There are approaches to the application of educational technologies from different points of view. The development of approaches to the organization of innovative activities of educators is also waiting for its solution. The solution to the

problem of implementing innovative technologies of a variable nature in the educational process is directly related to the organization of the pedagogical activity of teachers on a scientific basis. Special attention is paid to this issue in the pedagogical system of developed foreign countries. Innovative processes in the educational system are being directed to the use of educational technologies of a variable nature. At the same time, there are approaches to the educational process that are not systematic and not deeply understood. In some cases, the desire to increase the number of tasks, not the content of education, is noticeable, as well as increasing the number of new educational institutions, increasing the number of teachers, equipping educational institutions in order to fulfill the tasks of higher organizations. Accordingly, it is observed that there are a number of problems that are waiting for their solution in the general secondary education system. between the need to use educational technologies of a variable nature and the methodological complexes and methodological infrastructure necessary for their use in educational practice; between the understanding of the nature of innovative technologies of a variable nature for the full development of students and the lack of pedagogical conditions that allow them to be effectively used; imbalances are observed between the need to use technologies of a variable nature and insufficiently formed pedagogical skills of pedagogues. At the same time, in the scientific methodical system of training future teachers for educational institutions, insufficient attention is paid to teaching methods of working with innovative technologies of a variable nature. That is why today there is an increasing need to create a model for the use of innovative technologies of a variable nature in general secondary education institutions and to substantiate it theoretically.

To ensure the effectiveness of the implementation of various technologies in the educational process

- to determine the types of innovative pedagogical technologies, pedagogical conditions, means, mechanisms of their application;
- selection, systematization and description of its content;
- difficulties associated with the use of these technologies, ways to overcome them;
- development of a model of implementation of innovative technologies in the conditions of variable education and theoretical justification of its components;
- determining the relationship between its various blocks;
- regular diagnosis of the level of effectiveness of the model applied to the educational process of a variable nature based on the person-oriented, competence-based and cultural studies approaches and improvement of the mechanisms for filling the identified gaps;
- ensuring harmony between personal, unifying, cognitive, practical, motivational components of the model;
- process-active, i.e. improving the methodology that ensures the harmony between traditional and innovative forms of education and preparing future teachers to work with this methodology;
- implementation of pedagogical activity of a result, reflexive nature, which allows to work with innovative technologies of a variable nature applied to the educational process, training of teachers for its regular correction and improvement is envisaged.

For this, the introduction of complex conditions: among others, the organization of a pedagogical environment focused on the education and development of students based on the study of the needs of parents; to study the level of efficiency of innovative technologies of a variable nature applied to the educational process based on a critical analysis and to determine the potential possibilities of its use; identification of resources related to didactic materials and personnel, which will allow the implementation of innovative technologies of a variable nature in the educational process; to study the possibilities of developing and implementing a plan of measures that will allow the use of variable technologies in the educational process; determination of the functions of entities and their distribution in the process of implementation of innovative technologies of a variable nature; attention was paid to determining the professional, communicative, organizational levels of teachers, their pedagogical-psychological readiness for a new type of activity, additional pedagogical workloads, intermediate and final control.

As a result of the application of innovative technologies of a variable nature to the educational process, there is an opportunity to approach students individually and in a differentiated manner. The educational process is directed to the student, they are provided with the opportunity to educate and develop with a comprehensive approach. Accordingly, forms and methods of using innovative technologies of a variable nature in the educational process should be implemented on the basis of the following: design of the pedagogical process taking into account the mastery of the educational content of the students and determining its strategy, as well as determining the tactics of the pedagogical process, which involves expanding the possibilities of improvisation of students in specific situations with the help of teachers .

The variable nature of the pedagogical process allows updating the educational content. This ensures that the teacher and students engage in interaction and cooperation in individual didactic situations. Individual approach to students is important in this process. Application of an individual approach in the educational process allows to discover the uniqueness and uniqueness of each student. Because in the pedagogical process of a variable character, the student's uniqueness, interests, and talents are supported by pedagogues. That is why the educational process is required to be organized on the basis of differentiated programs of variable nature. Because such programs make it possible to determine and strictly determine the individual development trajectory of each student. In such an educational process, a favorable pedagogical situation is created for the use of technologies of various types. As a result of the application of pedagogical technologies of a variable nature to the educational process, favorable conditions are created for a comprehensive approach to the solution of problems existing in the system.

REFERENCES

1. Асмолов А. Г. Психология XXI века и рождение вариативного образовательного пространства России. Новое время - новая дидактика: Педагогические идеи Л. В. Занкова и школьная практика. Сборник статей, посвященных 100-летию со дня рождения Л. В. Занкова. - Москва, Самара: Корпорация «Федоров», 2001. - 264 с
2. Клейменова Е. В. Педагогические условия реализации технологии вариативного обучения. Вопросы современной науки и практики. Университет им. В. И. Вернадского. - Тамбов : Издательско-полиграфический центр ТГТУ, 2009. - № 11(25). - С. 52-57.
3. Муслимов Н. Касб таълими ўқитувчисини касбий шакллантиришинг назарий-методик асослари / Пед. фан. докт.... дисс. - Т.: ЎМКҲТТҚМОҚТИ, 2007. -315 б.
4. Khayitbayevna, U. B. (2023). New Uzbekistan: A New Education System and a New Approaches Basis of Educational Development. *Best Journal of Innovation in Science, Research and Development*, 2(11), 745-749.
5. Ибрагимов Г. И. Дидактическая подготовка современного учителя: проектно-технологический подход. Новое в психологопедагогических исследованиях. – 2011. – № 4. – С. 100-109.