

## USE OF INNOVATIVE TECHNOLOGIES ON THE BASIS OF THE CLUSTER IN THE EDUCATION SYSTEM DURING THE LESSON

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### ABSTRACT

Innovative activity is understood as the creative approach of the educator to the existing forms and means of improving their profession. It should also be recognized that the classification of stable, generally accepted scientific ideas about innovation and innovative activity in education and stable and generally recognized scientific ideas about innovative pedagogical activity has not yet been finally formed.

**Keywords:** technology, innovation, concept, resources, organizational and methodological, psychological and pedagogical teams, parameters, innovative education.

### INTRODUCTION

Today, it is important to conduct the activities of each industry and system on the basis of innovative ideas and technologies. In this regard, before entering the topic, we need to dwell on the meaning of the word "innovation". The concept of innovation (Latin novus new) began to be used in research and scientific work in the XIX century. Previously, it represented the introduction of individual elements from one area to another. By studying the laws of technical innovation, firms have adopted an "innovation policy" as a whole system for profit. This activity has general features, laws, and innovation mechanisms for the renewal of any part of society. Innovative technologies are innovations and changes in the pedagogical process of teachers and students, which require the use of interactive methods. Interactive methods are based on the active, free and independent thinking of each student involved in the learning process.

Using these techniques will make learning a fun activity for the student. When interactive methods are used, students gain the skills and abilities to work independently with the help and collaboration of teachers. Students acquire new knowledge through scientific research, experiments. The principle of acquiring knowledge through science is followed. Participants work in small groups. Assignments are given to all members of a small group, not to an individual student. The main form of organization of the teaching process is the lesson.

A variety of non-traditional forms of teaching are currently being introduced. Such classes help to develop students' creative abilities, strengthen their mental capacity, broaden their scientific outlook, and develop their skills and abilities to quickly and fully absorb any innovation. The use of innovative technologies in the classroom stimulates students' interest in scientific research and develops their creativity and ingenuity. As a result, the acquired knowledge, skills and abilities will be applied in practice, the quality of mastering will increase. To do this, the teacher must be competent and plan the lesson according to the content of the topics, so that all students are actively and consciously working during the lesson.

Pedagogical innovation is a novelty in pedagogical activity, changes in the content and technology of teaching and education, aimed at increasing their effectiveness. Innovation is

understood as the result of innovation, and the innovation process is considered as the development of three main stages: idea creation (known in one case, scientific innovation), the development of ideas in practical terms and the application of innovations in practice.

Optimality as a measure of the effectiveness of pedagogical innovation requires the efforts of teachers and students to achieve a guaranteed result. Different teachers and students have different levels of effectiveness in their personal pedagogical and educational activities

In addition, the effectiveness of specific, accurate pedagogical (e.g., methodological) innovations will be much lower if they are not supported in the socio-pedagogical plan. Thus, the creation of a socio-pedagogical context that supports private innovation and socio-pedagogical innovation can also significantly enhance the development of the regional education system as a whole to a certain extent, scale and level.

In addition to the above, it is easy to see structures in any innovation process, such as the creation of innovations and the use of innovations; a complex innovation process that underlies the development of an entire school consisting of interconnected micro-innovation processes.

An important pedagogical condition for the formation of creativity in teachers is the acquisition of independent knowledge and orientation to creative thinking. At the same time, special attention should be paid to the creative environment among teachers, a certain spiritual state, the application of organizational, methodological and psychological measures. they achieve. In the same way, it determines the optimal level of pedagogical innovation.

The most important feature of innovative methods is that they are effective only when the teacher is successful. The technology in the measurements, the observation, the recording of the results are reflected in the evaluation of new teaching methods. An important aspect of this dimension is the integrity of the individual, the formation of his perceptions and concepts. In this regard, the innovation process can be considered as a process of bringing the scientific idea to the stage of practical application and the implementation of related changes in the social pedagogical environment. An activity that ensures the transformation of ideas into innovation and shapes the process management system is an innovative activity. The innovation process has another distinctive feature of the development stages. The creative application of pedagogical innovations in pedagogical practice is reflected in the early stages of the work of individual teachers.

It is important to integrate the content of pedagogical innovations and methods of their application into the experience of future teachers. In order to bring pedagogical innovations into the life of an educational institution, it is necessary to create an environment of innovation, to form a certain moral and psychological state, to use organizational, methodological and psychological measures. To this end, it is necessary to develop the creative functions of future teachers, to equip them with pedagogical innovations, to teach them to analyze and apply innovative methods.

Issues of innovation in the education system in the field of pedagogy are constantly being studied by specialists. However, socio-pedagogical innovations as a factor in the development of the regional education system, on the one hand, have emerged relatively recently as a relatively fast-growing field of social pedagogy science and practice, on the other hand, relative to the social trend of decentralization and regionalization of education related to novelty.

### REFERENCES

1. Address of the President of the Republic of Uzbekistan Shavkat Mirziyoyev to the Oliy Majlis. // "People's Word" newspaper, December 23, 2017
2. Ibragimova G.N. Interactive teaching methods and technologies to develop students' creative abilities. I Monograph. - T.: «Science and technology», 2016. -77-p.
3. Mochalova N.M. Innovative approaches to the organization of methodical work of the school: Textbook. - Ufa, 2002. - 86 pages Slastenin V.A., Podimova L.S. Pedagogy: innovative activity. - M., 1997
4. Panfilova A.P. Innovative Pedagogical Technologies: Active Learning: A Textbook for University Students / A.P. Panfilov. - M., Akademiya, 2009.
5. M.S. Muhiddinova "Features of the use of information and computer technology in preschool education as a means of music education" 2020
6. Sh.R.Makhkamova "The role of music in the upbringing of children with disabilities and the comprehensively mature generation" 2020
7. Mahkamova Sh.R. Methods and techniques of assessing the knowledge of students in the educational process // "Economics and Society" №11 (90) 2021 //.