

## THE IMPORTANCE OF A CLUSTER IN ACHIEVING EFFICIENCY OF EDUCATIONAL QUALITY

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### ABSTRACT

The article discusses the theoretical basis for the proper use of the opportunities of the educational cluster in the integration of science, education and industry, the application of modern teaching methods and technologies. In addition to focusing on creativity, increasing student engagement in learning is based on the benefits of integrating this process with computer technology. Ways to achieve the effectiveness of each educational institution through the introduction of cluster cooperation as an innovative management mechanism for the development of the general education system are outlined.

**Keywords:** Educational cluster, pedagogical technologies, innovation, school-laboratory, creative activity, fine arts.

### INTRODUCTION

It is well known that the combination of science and education with production determines the development of all areas. No country can build its future without the development of a modern education system. Therefore, innovations in science and technology, the introduction of new technologies in production place a great responsibility on education. A critical analysis shows that over the past quarter of a century, the education system in the country has accumulated many problems, and certain shortcomings in the reforms. In order to address such shortcomings in the system, a number of decrees and decisions in the field of education and training have been adopted over the past two years. Reforms are taking place at all levels of the education system, including pre-school, school and higher education. In this regard, of course, the integration of science, education and industry is an important and urgent task. This in itself opens the door to an innovative cluster.

### Materials and methods

Porter M. [2], Shamova T.I. [3], Rudneva P.S. [4], Lagutkin A.V. [5], Ivanova S.A. In the research work of foreign scientists such as [6], we see that a lot has been done on the cluster and its essence, the introduction of these technologies in the education system. Problems of creating a scientific and theoretical basis of the innovative cluster of pedagogical education in the Republic on the basis of foreign experience in this system, introduced in the developed world, and the development of mechanisms for its implementation Mukhamedov GI. [7; 8; 10; 15], Sultanov X.E. [9; 11; 13; 16; 17; 19; 20], Baymetov B.B. [12; 18] have been reflected in scientific research. Finding a scientific, theoretical and practical solution to this problem has been identified by the Chirchik State Pedagogical Institute as a key area of strategic research.

The development of the system of continuing education as an innovative management mechanism allows to ensure the effectiveness of each educational institution in the cluster partnership.

The purpose of this study is to study the theoretical basis for the application of modern methods and technologies in the system of continuing education, to study scientific problems, to highlight the experience of Tashkent region in introducing innovative clusters of pedagogical education in the system of continuing education.

It is now clear that improving the quality of education is not limited to one educational institution, there is no development without competition, a complete reform of the system of continuing education, the introduction of new innovative technologies. lib remained. In the system of continuing education, “the pedagogical process and the renewal of individual knowledge, the discovery of new technologies that define effective and important criteria [14] is not the work of a single institution, but a collaborative task of all levels of the system.

### **Result and discussion**

Therefore, the educational-scientific-innovative potential of its members is modern not only with a high level of civic and professional competence, but also with competitiveness, the ability to accept innovations, the ability to design and implement new educational programs and technologies. bringing together lim specialists to train is the main goal of the cluster.

Innovation in pedagogy is based on innovations aimed at effective or quantitative changes in teaching practice to improve the quality of education. In order to study similar foreign experience, to introduce new innovative ideas in education, the professors of the Department of Fine Arts are the most talented undergraduate students in full-time, part-time, evening and special part-time forms. students are involved in research activities. Introduction of effective forms and methods of educating students on the basis of national, universal and spiritual values based on the requirements for the content and quality of general secondary education in collaboration with the educational cluster (school-laboratory sites) [1] The main goal of the scientific direction of the department is To do this, it is necessary to increase the scientific thinking of students and create a scientific basis for vocational training. This is the basis for shaping students' worldviews.

It is well known that in the conditions of quarantine introduced due to global changes and the coronavirus crisis, our children feel the need for spiritual and moral support. It is in these circumstances that parents and educators are required to be extremely careful with their children. Demonstrate the right way out of depression, addiction to Internet information, teach children to solve some problems independently, how to manage their psyche and emotions teaching is very important.

Active learning is a way to stimulate learners' learning. Focusing on creativity can increase students' interest in learning, their satisfaction with their creative work, and their morale. Opportunities for spiritual support are further enhanced by organizing creative activities and engaging students in the fine and applied arts.

Creative activity is a safe means of upbringing that develops the ability to fully express one's thoughts, worldview, feelings, self-awareness and self-affirmation as a person, and relieves stress. Given the current situation, one of the main tasks of pedagogy is to integrate the creative process with computer technology. The quarantine introduced due to the global pandemic epidemic has not bypassed the Republic. As a result, education, like any other field, has become online. Despite the fact that this educational process was carried out with great difficulty, its benefits were also felt. As mentioned in our previous research, in a society where new information and communication technologies are evolving, innovative technologies have

undoubtedly entered the system of continuing education with their advantages and undeniable shortcomings, which requires adaptation to these disciplines. Pupils, students, school and university teachers have become accustomed to teaching through the ZOOM program. They also felt the benefits of taking such a course.

## CONCLUSION

Because art classes are based on seeing and practicing, distance learning is not the best option. However, it should be noted that the use of multimedia equipment has opened the door to unique opportunities for the teacher of fine arts. In particular, the student gained a lot of experience in providing information and assignments via the Internet, acquainting them with the work of the world's leading artists, engaging in useful educational activities on the Internet, helping to make videos, conducting online competitions. However, there are also difficulties for students to work on compositions and to accurately assess everyone's work. It is important to remember that the computer does not replace the teacher, but only fills it. Used properly, it can make your lessons more fun and engaging.

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