

PEDAGOGICAL CONDITIONS FOR DEVELOPING CREATIVE ABILITIES IN STUDENTS DURING PROFESSIONAL TRAINING

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Abstract

This article analyzes the pedagogical conditions for developing students' creative abilities in the process of their professional training. In the modern educational process, creative thinking and innovative approaches play a significant role, and the need to direct students toward independent thinking, problem-solving, and the formation of new perspectives is increasingly growing. The article examines the key pedagogical factors, methods, and technologies that influence the development of creative abilities and proposes effective approaches.

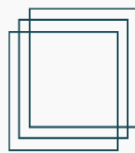
Keywords: Creativity, students, pedagogical training, innovative education, problem-based learning, open educational environment.

INTRODUCTION

The main goal of the modern educational system is to prepare specialists who think independently, have an innovative approach and are able to solve problems. Creativity (creativity) plays a very important role in this process, as it allows students to understand knowledge more deeply, put them into practice and develop new ideas. Therefore, in the process of pedagogical training of students, special attention should be paid to the development of their creative abilities. This article will outline the pedagogical conditions necessary for the development of students' creative abilities. Also, through the creative approach, students develop skills in independent thinking and creative thinking. Through this, it ensures that students succeed not only in the educational process, but also in life.

LITERATURE ANALYSIS AND METHODOLOGY

The issue of the development of students' creative abilities in the process of professional training implies becoming one of the most important areas of the modern educational system, teaching them to think independently, solve problems and offer new approaches. In this regard, the analysis of scientific literature is divided into the following main areas:



Creativity is the ability of a person to create new ideas, to achieve innovative solutions using existing knowledge and skills. It was described by P. Guilford (1950), E.P. Torrance (1962) and other scholars is widespread. These scholars emphasized the need to view creativity as a universal ability required in any professional field, not just the creative field.

Although the main goal of modern professional education is the formation of professional competencies of students, it is important to develop not only technical skills, but also innovative thinking and problem-solving skills. Bunda R.M. Gagne (2004), A.N. Leontyev (1975) and D.A. Pedagogical approaches given in the work of scientists such as Kolb (1984) play a key role. In their opinion, practical training, project work and teamwork are important for the development of student creativity.

M. on the need to create suitable pedagogical conditions for the development of creative abilities of students. I. Kadymov (2015), N.K. Krupskaya (1928), V.A. Many studies have been done by Sukhomlinsky (1979) and other scientists. These scientists mentioned the need to organize the pedagogical process through innovative methods, use interactive methods and modernize educational and methodological materials.

In the 21st century, with the development of modern educational technologies, the opportunities for the development of creative abilities of students have expanded even more. Innovative methods such as blended learning (mixed learning), gamification (gamification), project-based learning (project-based learning) are widely used in this. Research on this area L.S. Vygotsky (1934), H. Gardner (1983) and J. Focused on the work of scholars such as Dewey (1916).

The issue of developing students' creative abilities has also been widely studied in the Republic of Uzbekistan. Including A.A. Abdullaev (2018), Sh.T. Khamdamov (2017), M.X. Research conducted by scientists such as Tokasinov (2016) is consistent with the requirements of state policy. They showed the national characteristics of the development of creativity and ways of its implementation in strengthening the professional training of students.

The following approaches have been used as the methodological basis of the study:

1.1. Systematic approach

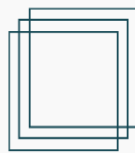
The question of the development of students' creative abilities is studied on the basis of a systematic approach. This approach takes into account the connection between the personality of students, the educational process and their professional activities. For this, all elements of the educational process – textbooks, teacher, students, Environment and results – were considered as systems.

1.2. Activity Theory

A.N. On the basis of Leontyev's theory of activity, it is emphasized that the process of developing students' creative abilities is manifested in their practical activities. The organization of Student Activities includes project work, practical training and situational tasks aimed at solving real-world problems.

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1.3. Problem training

The problem teaching method is an effective tool in developing students' independent thinking and solution-seeking abilities. Such techniques encourage students to solve them with confidence in their own strengths, being put in the face of various problems.

1.4. Interactive methods

Interactive educational methods – discussion, work in groups, debates, role-playing games-play an important role in the development of students' creative abilities. These techniques train students to actively participate, collaborate in a group, and propose new ideas.

1.5. Empirical methods

Empirical methods – observations, surveys, tests, experiments – were widely used in the study. There are standardized tests and special criteria for assessing students' creative abilities.

1.6. Comparative analysis

By comparing international and national experiences, the universality and local characteristics of the development of students' creative abilities have been identified. This ensures the objectivity of the research results.

- The development of students' creative abilities is an integral part of professional training, which increases students' abilities to think independently and find innovative solutions.

- Pedagogical conditions – modern educational technologies, interactive methods and practical training-help to fully open the creative potential of students.

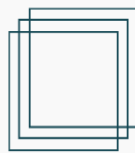
- As a research methodology, modern methods such as empirical and comparative analysis have been used, along with classical scientific methods such as systematic approach, Activity Theory and problem teaching.

As a result, it was found that an integrated approach is needed to develop creative abilities in order to carry out the professional training of students to a more effective level.

RESULT AND DISCUSSION

The issue of developing students' creative abilities becomes one of the main priorities of the modern educational system and requires the introduction of innovative approaches in the process of preparing them for professional activities. According to the results of the study, the following main conclusions are stated:

Creative abilities are a universal competence that increases students' chances of solving problems, offering novel solutions, and independent thinking. The development of creativism in the process of professional training helps students to achieve success in



the professional field, be competitive and develop the ability to constantly work on themselves.

The following pedagogical conditions are identified as necessary for the development of students' creative abilities:

- Interactive educational technologies: methods such as role-playing games, group work, debates and project work activate the thinking process of students.
- Practical training: by solving practical situations, students learn a project approach to real-life problems.
- Modern educational and methodological materials: Multimedia tools, electronic textbooks and online platforms will make the process of student assimilation more effective.
- Motivation and motivation: recognizing the achievements of students and encouraging them is an important factor in the development of creativity.

Standardized tests, experiments, and specific criteria have been developed to assess students' creative abilities. Based on these criteria, the initial state of the student's creative potential and the dynamics of development are determined.

The importance of modern educational technologies

Blended learning (mixed learning), gamification (gamification), and virtual reality (VR) technologies have been used as effective tools in developing students' creative abilities. These technologies provide students with the opportunity to master in an innovative environment.

National and international experiences

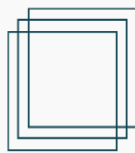
According to the results of the study, it was found that in the Republic of Uzbekistan and other countries there are different ways of developing students' creative abilities. Such experiments have universal elements that can be integrated.

The issue of the development of students' creative abilities is one of the strategic directions that determine the future of the modern educational system, which contains a number of theoretical and practical questions. Below are some key aspects that are considered in order to discuss the results of the study:

While Universal creationism generally depends on the creative fields (art, literature, music), creationism in professional education is seen as a universal ability required in any professional field. That is why it is important that in the process of professional training, the development of creativity is taken into account separately.

Pedagogical conditions are the main ones in the development of students' creative abilities. For example, interactive educational technologies, while activating the thinking process of students, allow them to think freely, without being under pressure. In addition, modern educational and methodological materials and practical classes teach students to improve their knowledge and put them into practice.

The importance of motivation and motivation in the development of students' creative abilities is considered very high. If students feel their achievements are recognized, they will work more actively and the level of creativity will increase. Therefore, it is important



for teachers to pay attention to each achievement of students and express incentives to them.

Blended learning, gamification and VR technologies are effective tools in developing students' creative abilities. These technologies provide students with the opportunity to master in a new environment and attract their attention. But it is important in this that the correct application and use of technologies are planned pedagogically correctly. International experiments show the need to maintain a balance between universality and local characteristics in the development of students' creative abilities. For example, in countries such as Finland, Singapore, and the United States, a greater emphasis is placed on individual approach and practical training to promote student creationism. Such experiments can also be used in the educational system of Uzbekistan.

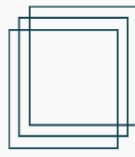
According to the results of the study, there are also some restrictions on the development of students' creative abilities. For example, the failure of teachers to fully master modern pedagogical technologies, the delimitation of the material and technical base of educational institutions and the presence of misconceptions between students themselves regarding creativity. To overcome such restrictions, it is necessary to retrain teachers, modernize educational institutions and teach students to have the right idea of creativity.

CONCLUSION

In conclusion, it can be said that, according to the results of the study, the development of students' creative abilities is an integral part of professional training, which further increases their ability to think independently, solve problem situations and offer innovative solutions. Pedagogical conditions-interactive educational technologies, practical classes, modern educational and methodological materials and motivation – help to fully open the creative potential of students. Aspects such as the role of motivation in the development of students' creative abilities, increased effectiveness of modern educational technologies, and lessons learned from international experiences have been considered. There are also restrictions in this, it is emphasized that an integrated approach is needed to eliminate them. The development of students' creative abilities is considered one of the main priorities of professional training. In this, it is considered to be one of the important factors in improving the efficiency of the modern educational system and in the cultivation of competitive personnel of students.

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