FORMS, METHODS, AND MEANS OF THE TECHNOLOGY FOR DEVELOPING STUDENTS' METHODOLOGICAL COMPETENCE BASED ON A CREATIVE APPROACH

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Abstract:
This article provides a scientific and theoretical analysis of the forms, methods, and tools of technology for developing students' methodological competence based on a creative approach. The role and importance of methodological competence in the modern education system, the theoretical foundations of its development based on the creative approach have been studied. During the research, a technology for developing students' methodological competence based on the creative approach was developed, and its effectiveness was confirmed through experimental testing. The article highlights the most effective forms of education, such as innovative educational environment, interactive classes, project activities, creative seminars, and master classes; methods including problem-based learning, project-based learning, case studies, creative assignments, independent learning, role-playing games, brainstorming; as well as the role of modern tools such as digital educational resources, multimedia textbooks, virtual learning environment in developing methodological competence. The practical significance of the research results, their role and prospects in the process of training future teachers in higher educational institutions are highlighted.

Keywords: Creative approach, methodological competence, innovative education, interactive methods, project-based learning, digital educational resources, future teacher training.

INTRODUCTION

In the modern higher education system, the issue of preparing future teachers for professional activity is of crucial importance. The systematic reform of higher education in the Republic of Uzbekistan, the implementation of the National Program for Personnel Training, and the adoption of a new version of the Law "On Education" necessitate the introduction of innovative approaches in this field.[1] In this process, it is important that future specialists acquire not only theoretical knowledge, but also practical skills, methodological competence through the development of creative thinking.[2]

Methodological competence is an important indicator of the teacher's mastery of the methodology of teaching their subject, the ability to effectively use modern pedagogical technologies, the ability to organize the educational process in an innovative way, and professional skills. A creative approach plays a particularly important role in developing the methodological competence of future teachers. This approach creates opportunities for realizing students' creative potential, fostering non-traditional thinking skills, and implementing innovative ideas into practice.

LITERATURE REVIEW AND METHODOLOGY

In pedagogical research, the concept of methodological competence has been interpreted differently by various scholars. In particular, according to V.A. Adolf, methodological competence is the teacher's ability to apply methodological knowledge, skills, and abilities to solve problems arising in their professional activity.[3]

N.V. Kuzmina describes methodological competence as the teacher's knowledge of the methodology for teaching their subject, the skill to select and systematize educational material, and the ability to apply teaching and assessment methods.[4]

Uzbek scientists Z.K. Ismailova, E.A. Seytkhalilov, Sh.E. Kurbanov, D.I. Ruzieva paid attention to the issues of developing methodological competence and interpreted it as an important component of professional training.

The educational process grounded in a creative approach relies on the following principles:

- Increasing students' creative activity
- Creating an environment for free thinking in the educational process

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[1] Law of the Republic of Uzbekistan "On Education." - Tashkent: September 23, 2020, No. 3РУ-637

[2] Decree of the President of the Republic of Uzbekistan dated October 8, 2019 No. UP-5847 "On Approving the Concept for the Development of the Higher Education System of the Republic of Uzbekistan until 2030."

[3] Adolph V.A. Professional Competence of a Modern Teacher. - M.: "Academy," 2018. - P. 184.

[4] Kuzmina N.V. Professionalism of the Personality of a Teacher and Master of Industrial Training. - M.: Higher School, 2019. - 257.

- Encouraging unconventional approaches to solving practical problems
- Coordinating individual and collective creative activities
- Developing reflexive analysis skills

The educational technology based on a creative approach used in developing methodological competence comprises the following components:
- Educational goals
- Educational content
- Forms of education
- Teaching methods
- Educational tools
- Criteria for evaluating results

Each component is interconnected, and their effective harmonization ensures the practical implementation of the creative approach.

Forms of technology for developing methodological competence based on a creative approach. In developing students' methodological competence, the following educational forms can be utilized based on a creative approach:

1. Creative seminars are a form of educational activity that enables students to collectively discuss their creative ideas on a specific topic and develop unconventional solutions to problematic situations. In creative seminars, it is possible to enhance students' creative thinking abilities by utilizing methods such as "Brainstorming", "Clustering", "Why?", and "Project Method".

2. Master classes - practical classes conducted by experienced teachers, methodologists, and specialists, where students have the opportunity to directly observe, exchange experience, and acquire practical skills. During the master classes, students learn the practical application of creative teaching methods, methods of innovative organization and presentation of educational materials.

3. Pedagogical workshops - a specially organized system of practical classes aimed at the formation and development of professional skills of future teachers. In pedagogical workshops, students have the opportunity to apply their theoretical knowledge in practice, analyze and evaluate teaching methods, and test new ideas.

4. Simulation classes - educational activities aimed at the formation and development of professional skills in students by artificially creating situations similar to real pedagogical processes. In simulation classes, students acquire skills in modeling various pedagogical situations, designing and conducting lessons, and making optimal decisions in unexpected situations.

5. Creative laboratories - a special environment organized for the organization of independent creative activity of students, the development and practical testing of

innovative educational projects. In creative laboratories, students gain practical experience in creating new teaching methods, didactic materials, and introducing modern information technologies into the educational process.

Methods of the technology for the development of methodological competence based on a creative approach. When developing students' methodological competence based on a creative approach, it is advisable to use the following methods:

1. Interactive methods - teaching methods based on mutual cooperation, ensuring the active participation of students in the educational process. These methods include "Brainstorming", "Case Study", "Project Method", "Problem Situation", "Role Play" and "Debate". Interactive methods help students think creatively, analyze problem situations, and make optimal decisions.

2. Methodological trainings - a system of special exercises aimed at the formation and development of certain pedagogical skills and abilities in students. During methodological trainings, students acquire practical skills such as drawing up lesson plans, setting educational goals, selecting and applying teaching methods, and evaluating learning outcomes.

3. Modeling of pedagogical situations - a method of artificially creating problem situations that may arise in the real educational process and searching for ways to solve them. This method allows students to foresee the difficulties and problems they may encounter in pedagogical activity, to develop strategies for their solution.

4. Methods of developing critical thinking - methods aimed at forming skills in analyzing, evaluating, and processing information in the educational process. Such methods as "Insert", "Cinquain", "Venn Diagram", "Comparison Table", serve to develop students' critical and logical thinking skills.

5. Methods of self-analysis and reflection - methods that allow students to evaluate their activities, identify their achievements and shortcomings, and develop themselves. Methods such as "Reflective Diary", "SWOT-analysis" and "Portfolio" help students identify ways to improve their professional activities.

Tools of the technology for the development of methodological competence based on a creative approach. The following tools can be used in the development of students' methodological competence based on a creative approach:

1. Information and communication technologies are an integral part of the modern educational process, allowing for the visualization of educational materials, the transmission and processing of information, and providing feedback with students. Computer programs, multimedia tools, electronic educational resources, and a virtual educational environment serve the development of students' creative thinking skills.

2. Methodological manuals and didactic materials - educational and methodological literature, didactic materials, visual aids, teaching aids necessary for organizing the educational process. These tools provide students with the necessary information for the formation of methodological knowledge and skills, the completion of practical tasks.

3. E-learning platforms - online resources that allow distance learning, independent learning, and self-development. Platforms such as Moodle, Google Classroom, Zoom are convenient tools for students to master educational materials, collaborate, and develop practical skills.

4. Pedagogical simulators and simulators - special software tools designed for modeling and simulating situations that may arise in pedagogical activity. They allow students to gain experience, form and improve professional skills in a safe environment.

5. Creative thinking tools - special techniques and tools used to create, develop, and implement creative ideas. Tools such as "Mind mapping", "SCAMPER", "Six Thinking Hats", and "Morphological Analysis" contribute to the development of students' creative thinking skills.

RESULTS AND DISCUSSION

The complex application of forms, methods, and means of the technology for developing students' methodological competence based on a creative approach allows achieving the following results:

- Students develop creative thinking skills. The creative approach forms in students the skills of non-traditional thinking, the ability to see various options for solving problems, and the creation of new ideas.

- The level of professional competence increases. The educational process, organized on the basis of a creative approach, allows students to apply theoretical knowledge in practice, effectively use modern pedagogical technologies.

- Skills for independent learning are formed. A creative approach increases students' motivation for self-development, independent work on themselves, and the acquisition of new knowledge and skills.

- Experience in solving pedagogical problems increases. Practical classes, simulation trainings, and projects organized on the basis of a creative approach allow students to gain experience in solving problems that they may encounter in pedagogical activity.

- The level of readiness for innovative pedagogical activity increases. A creative approach forms students' skills in creating new ideas, developing and applying innovative teaching methods, and designing a modern educational environment.

The conducted research shows that the complex application of forms, methods, and means of the technology for the development of methodological competence based on a creative approach significantly increases the level of professional training of students.

CONCLUSION

In conclusion, the integrated application of forms, methods, and means of the technology for developing students' methodological competence based on a creative approach allows for increasing the level of professional training of future teachers, realizing their creative potential, and ensuring their adaptation to the modern educational environment.

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