

INNOVATIVE APPROACHES TO DEVELOPING THE LOGICAL THINKING OF FUTURE PRIMARY SCHOOL TEACHERS

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Abstract: This article talks about the need to develop the logical thinking of primary school teachers, the methods used in this process.

Keywords: logical thought, thinking, consciousness, intellectual ability, pedagogical team, pedagogical ability.

INTRODUCTION

In some scientific literature, the concept of logical thinking, that is, logical thinking, is explained as follows. Logical thinking has several meanings. These concepts represent the stages of development of thinking, ability to analyze, attitude to reality.

It depends on the teacher, the techniques and tools he uses in the technology of developing logical thinking to stimulate the mental activity of students. Logical thinking includes concepts such as "evaluation" and "self-evaluation", "logic" and "self-analysis", "proof" and "refutation", "logical analysis". The culture of logical thinking includes methods and methods of reliable arguments that are used in practice. All this helps to develop the personality and form the students' worldview. Judy Bruce and David Wood consider logical thinking to be the mirror image of critical thinking. Thinking is formed by realizing one's self, being objective, being able to accept other points of view while taking into account one's own point of view, and sometimes letting go of one's prejudices. You need to be able to come up with new ideas and see ways to solve problems.

At this point, the methodical situation of the development of the logical thinking ability of the teachers who are expected to work in the primary education of the general secondary education system, which we are talking about above, is one of the most urgent issues. It is worth mentioning that it is not a secret that globalization and man-made civilization have an impact on the education of the young generation, today's students cannot be deceived by "tales and events of the past", information based on real events is interested. In most cases, we say with "joy" that a one-year-old child can use mobile communication tools. Therefore, it is necessary for the future primary school teacher to know the updates in the field of education that meet modern requirements, to work tirelessly on himself, to ensure his innovative readiness for practical activities in constantly changing non-standard conditions., which creates the need to create additional, non-traditional, parallel independent education systems.

LITERATURE ANALYSIS AND METHODOLOGY

A. Ye. According to Dmitriev and M.R. Levov, the initial stage of the school develops the child's personality, his abilities, teaches him communication, mother tongue, reading, the basics of moral, aesthetic, physical culture, and forms a systematic work habit. Children acquire general ideas about nature, society, man and his work, the basics of worldview. In primary school, students acquire the necessary skills and competencies of reading and writing, learn to observe, measure and calculate the world around them, learn logical memorization methods, elements of theoretical thinking, speech and behavior culture, personal hygiene and learn the basics of a healthy lifestyle. In children, the first valuable orientations are formed, the motivation to study is formed, knowledge and love for spiritual values are instilled. Every teacher should be prepared to work in these conditions and perform such tasks. He should also know the modern child, his needs, interests, and acquire modern methods of studying children and their developmental conditions.

In our opinion, among the above problems, the most important ones are the formation of logical thinking in the future primary school teachers, the deep approach to the educational process, the process of modernization, innovation and novation, and innovative educational technologies should be armed. The meaningful organization of the process of formation of logical thinking skills in future elementary school teachers based on the neoneological approach depends on how well the basic curriculum is mastered, and this is reflected in the methodological support of this educational process and its current state is finding.

We know that elements of education have undergone serious changes based on innovations in higher education and social sphere. Therefore, reconsideration of educational problems based on educational philosophy, legality, logical and innovative approaches is becoming a demand of the times.

RESULTS

At the same time, due to the fact that this issue has not been fully studied within the framework of basic research and this direction of scientific activity has not been methodically completed, we can say based on our pedagogical activities and observations that future pedagogues will have their own field and profession. must have the basic competencies necessary to be competitive. In our opinion, every future primary school teacher, with dedication to his profession, should:

- show intellectual and creative initiatives;
- breadth and depth of professional knowledge;
- have logical thinking and intellectual abilities;
- creative and cognitive ideological readiness for various conflicts;
- to promote creative ideas in a logical sequence and to be able to relate to them with logical thinking;
- pursuit of news;
- to understand one's own capabilities, shortcomings and successes by comparing one's experiences with the experiences of others;
- to be able to understand his creative aspects;
- to be able to show oneself, to be ready to put innovations into practice;
- every student can work tirelessly on himself with a logical approach and choose the most suitable educational strategies for him when designing the educational process. (The choice of one of the strategies depends on the teacher's professional training, personal interests, as well as existing life situations).

The implementation of an approach based on logical competencies in pedagogical education helps to achieve its main goal, which is to reveal hidden mental abilities (intelligence, verbal fluency and logical thinking) through pedagogical support of students of junior school age. helps to develop their capabilities.

That is why it is necessary to analyze and evaluate pedagogical innovations introduced by teachers in the activities of pedagogical teams of educational institutions, managers of methodical services, to create the necessary conditions for their successful development and application, transition of general education schools to market relations, their The creation of new types, including non-state educational institutions, which create a real competitive situation, is becoming an important direction. Innovative activity can be interpreted as a personal category, creative process and result of creative activity.

According to the opinions of N. Muslimov and M. Mirsolieva, creative competences are considered as an important factor in socially active education, in the formation of a person who strives to achieve high results, in choosing and acquiring the pedagogic profession, based on the needs of society. Logical thinking is the factor that creates this creativity. Because first of all, the presence of thinking and logic in a person makes it possible to make a clear and correct decision in the chain of events.

DISCUSSION

It is worth saying that the process of developing the ability to think logically in future elementary school teachers based on new methodological approaches in modern education is an integral part of the educational and social activities of the institution, and the logical methodological emphasis is embodied in it. it is an open, changing, democratic field of formation of the ability to mentally understand the general professional identity and pedagogical image of future pedagogues.

Based on this, we can say that, in our opinion, the pedagogical possibilities of forming the ability to think logically in future primary school teachers include:

- to determine the scientific and practical basis of optimization of the content of integration, diversity and flexibility mechanisms in the planning of educational activities based on the principles of motivational, modern universal education, integrative approach, international cooperation, depending on educational conditions;
- Development of an integrated modern informational educational base based on the implementation of the work plan and calendar plan content in the higher education system based on the implementation of international standards and state requirements;
- determining the effectiveness of educational and methodological resources by applying modern educational programs and innovative technologies to the processes of educational activity;
- to determine the innovative evaluation system of the quality and effectiveness of the knowledge, skills and abilities of future primary school teachers based on the results of educational activities.

A future teacher needs professional help in professional adjustment, because experiencing failures, exaggerating one's own fears, realizing responsibility - all this can lead to frustration and dropping out of school due to fear of pedagogical responsibility. . It is necessary to support the future pedagogue and provide him with targeted assistance.

If educators want to be more effective in using their creative teaching methods and strategies (i.e. thinking broadly and organizing a creative thinking process), prospective elementary teachers should they should inculcate in their minds and perform their tasks seriously with a logical understanding. In addition, "only in an environment with logical

content and character, future elementary school teachers will have the opportunity to understand the interaction between the content of the subject they are studying, educational information, and begin to think about it."

In systematically oriented research works, innovative activity is revealed in the analysis of the personal, managerial-communicative and result subsystems of the logical paradigm. The creative ability of a person to develop new visions and ideas, mainly to design and model them in practical forms, depends on the individual's innovativeness, tolerance of the person, flexibility of thinking. Cultural-aesthetic development and education is based on the readiness to improve one's own activities, internal, tools and methods that ensure this readiness, developed innovative awareness (value of innovative activities compared to traditional ones, innovative needs, motivation of innovative behavior). they associate with indicators.

Therefore, the methodical state of development of the future staff as a person with the ability to think logically and the principles of the development of the teacher's creative potential based on the actual tasks are considered to be the following:

- the principle of recognizing the value of the pedagogue personality;
- the principle of creative understanding of "identity";
- principle of compensation;
- the principle of individualization; principle of conflict; the principle of moral obligation;
- the principle of creative inspiration;
- the principle of reflection; system selection principle.

CONCLUSION

At the stage of implementation of innovative activities with the help of logical thinking, reflection is accompanied by two processes:

- 1) the teacher repeatedly returns to the prediction stage and observes the individual constituents of the concept there;
- 2) the second process is related to reflection on one's own activity, i.e., the process of goal realization: the analysis of the relationship between the teacher's capabilities and external conditions (logical reflection) takes place, innovations, skills, pedagogical actions, content is analyzed. The considered interactive or new opportunity determines the processes, actions and behavior of the teacher's innovative activity. The ideal and value of excellence, which is realized in the conditions of pedagogical practice, based on logical thinking and moderate creative behavior. Such behavior is manifested in communication, teaching, self-determination, logical-reflexive processes, etc.

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