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DEVELOPMENT OF INNOVATIVE THINKING SKILLS OF PRIMARY CLASS STUDENTS

Nizamova Shakhnoza Ubaydullayevna
Senior Teacher of KCPI, Doctor of Philosophy in Philology (PhD)

Juraeva Jumagul Madamin kizi
Master's Student of Kokan State Pedagogical Institute

ABSTRACT
This article identifies effective methods and tools that are important in the formation of innovative thinking skills of elementary school students, the use of integrative approaches and variable programs adapted to their complex development characteristics, innovative thinking in children based on a creative approach in the process of educational activities. the use of methods aimed at the formation of skills, didactic games and determining their place in the formation of children's innovative thinking skills, the wide application of innovative technologies in educational processes, the innovative thinking of elementary school students A general analysis of theoretically based approaches to the problems aimed at improving the content, methods and forms of skills formation and methodology based on modern approaches is described.

Keywords: innovative thinking, method and tool, integrative approach, variable program, elementary school students, creative approach, didactic games, innovative thinking skill.

INTRODUCTION

In the world, special attention is paid to the comprehensive growth of elementary school students and their development as a well-rounded person, and the formation of their innovative thinking skills. For example, in the experience of advanced foreign countries such as South Korea, France, Japan, Germany, Finland, in the process of primary education, in addition to the physical and aesthetic development of children, special attention is paid to the formation of thinking, worldview, intellectual and creative abilities, and innovative thinking skills. attention is paid. A number of tasks have been defined in the concept of international education defined by the countries of the world until 2030. In particular, the issue of "developing innovative thinking with a solid foundation of knowledge"[1] was noted as an urgent task. Such tasks in cooperation with UNESCO show that it is necessary to pay serious attention to the problems of forming innovative thinking skills in elementary school students based on a creative approach.

In the world, a lot of research is being conducted on the problems of teaching children to think innovatively, the opportunities for their comprehensive development in accordance with their intellectual abilities, interests, needs and age characteristics, and the creation of favorable pedagogical conditions. The analysis of this scientific research shows that it is important to identify effective methods and tools in the formation of innovative thinking skills in elementary school students, the use of integrative approaches and variable programs adapted to their complex development characteristics,

1 Incheon declaration/Education 2030: Towards inclusive and equitable quality education and lifelong learning for all (Word Education Forum, 19-22 may 2015, Incheon, Republic of Korea). 6p. 26 P.

educational activities using methods aimed at forming children's innovative thinking skills based on a creative approach, didactic games and determining their place in the formation of children's innovative thinking skills, wide application of innovative technologies in educational processes, primary demands that it is important to study and carry out research on the problems directed to the improvement of the content, methods and forms of innovative thinking skills of children of the age of 18 years based on modern approaches.

As a result of the systematic measures implemented in the fundamental reform of the primary education system based on the changes in the field of education taking place in the conditions of globalization in our republic, the material and technical base of primary education organizations, legal-normative, methodical supply is gradually improving. In a number of Laws of the Republic of Uzbekistan, priorities such as "introduction of modern innovative and information communication technologies in order to create and comprehensively develop alternative forms of education and training for children"[2]. From this point of view, a creative approach in the process of primary education determines that improving the processes of forming innovative thinking skills in children is one of the urgent issues.

LITERATURE REVIEW

Today, it is important to effectively use advanced methods and technologies of forming innovative thinking skills of elementary school students based on a creative approach, to find effective ways to apply innovative and information technologies to the process of educational activities. . The works of scientists who conducted research in Uzbekistan, the CIS countries and abroad on creative and innovative approaches to the educational process were analyzed from a scientific and practical point of view.

Issues of applying innovations to the educational process in our republic, improving the mechanisms of organizing innovative pedagogical activities A. Abdugadirov, N. Azizkhodjayeva, B. Adizov, N. Sayidahmedov, J. Yoldoshev, F. Yuzlikayev, R. Djurayev, Sh. Mardonov, O'. Tolipov, D. Yunusova, S. Bozorova, M. Jumaniyozova, Sh. Shodmonova, R. Safarova, A. Choriyev, G. Ibragimova, S. Gulomov, U. Nishonaliyev in scientific studies, education - theoretical-methodical enrichment of the educational process, research aimed at comprehensive development of children from the scientists of our republic: F.R. Kadirova, D.A. Abdurakhimova, T.L. Khurvaliyeva, H.Y. Najmiddinova, M.K. Abduhakimova, N. Abdullayeva, Z. Azizova, N. Kh. Begmatova, G. Berdaliyeva, U. Bo It was researched by pedagogues, psychologists and methodologists such as Tayeva, K. Oqilova, F. N. Vakhabova, D. T. Mahmudova, G. Nazirova, N. J. Abdusamatova, Sh.

Currently, the historical-pedagogical, theoretical-methodological aspects of innovative processes are studied by scientists from the countries of the Commonwealth of Independent States, including Ye.A.Avilova, A.Arushanova, M.Bakina, E.Bern, R.S.Bure, A.A.Verbisky, D.Gans, It was covered in the research works of V.V.Davidov, Ye.P.Ilin, I.M.Kononova, Ye.K.Lyutova, G.B.Monina. The issues of emergence and development of pedagogical innovation as a theory and practice of introducing innovations in the educational system were researched by the Russian professor N.R. Yusufbekova at a

2 Law of the Republic of Uzbekistan. On preschool education and upbringing. December 16, 2019, ORQ-595. National database of legal documents, December 17, 2019, number 03/19/595/4160.

high scientific and methodological level. His unique merit is that he was the first to scientifically justify pedagogical innovation as an independent subject.

Innovation in education, innovative thinking, innovative thinking, innovative activity, problems of designing teaching technologies in the experience of foreign studies M. Montessori, J. Piaget, Brene Brown, P. F. Drisker, N. A. Morena, K. L. Kumar, Rao Srinivas, Mishra and P. It is expressed in the scientific works of such scientists as Henriksen, M.V. Clarin, Ye.R.Torrance.

RESEARCH METHODOLOGY

To support the creative development of children based on the use of a creative approach in the formation of children's innovative thinking skills, the desire to learn new information, the development of the functional capabilities of innovative thinking, innovative thinking and independent thinking skills, increasing innovative activity, orienting them to creative activities "support, emotional-aesthetic, i.e., education of emotional sensitivity, increasing interest in intellectual knowledge, intelligence, knowledge, conscious approach to solving problems is of special importance.

In the course of educational activities, by introducing children to the world of objects and events, innovative thinking skills, morals and aesthetic feelings are formed based on speech, communication, creative approach. In order to develop children's innovative thinking, to teach them creativity and resourcefulness, to encourage them to do some activity, and to successfully perform innovative exercises by means of didactic games, the educator needs to have a lot of training. The thinking and innovative thinking of elementary school students is mainly formed in their various (educational activities, games, work, independent) activities.

It is extremely important to turn children from free listeners to free participants in the development of children's thinking and conscious worldview. Working together with children of primary school age encourages them to think a lot, search, and create. Educational activity is a two-way process in which both the teacher and the student actively participate. The teacher should become a manager in various activities, and the children should become participants. From this point of view, it is possible to observe the existence of educational methods related to the activity of the teacher and the student:

Processes based on modern methods in the education of elementary school students serve as an important tool for the integrative structure of forming the child's innovative thinking skills and ensuring its expected results, increasing the intellectuality and integrativeness of children. Taking into account its content and essence, importance and necessity is based on the fact that it is directed to the formation of innovative thinking skills of children and is aimed at ensuring its effectiveness.

In the process of finding a solution to the researched problem, there is a need to develop a creative model of the educational process aimed at forming innovative thinking skills of elementary school students.

The goal of the model is to form innovative thinking skills in primary school students based on a creative approach. To achieve this goal, the content of purposeful, meaningful, processual and result blocks is defined. The creative approach is focused on the goal of forming innovative thinking skills in children; creative, holistic, complex and technological approach to the process of forming innovative thinking skills in children; regularity and effectiveness of the creative approach in forming children's innovative thinking skills; such as joint activities are selected as important principles of research work implementation. Within the framework of the study, the effectiveness of using the following innovative

technologies, which enables the formation of innovative thinking skills of elementary school students, was analyzed.

"Classic couples" - in which the participants are given pictures (printed) of concepts, people, characters of fairy tales and folklore with a classic or well-known relationship with each other. A sheet of paper is given pictures arranged in random order, for example, numbers, geometric shapes, fruits, flowers, animals, etc. Children should find a classic pair or three among them, make them and justify this connection. The exercise can be conducted both individually and in small groups.

"Pair-to-couple communication" technology - to give a task (or separate tasks) to children sitting next to each other on a topic and invite them to find a solution to the problem (problem) presented in the task together , hearing and evaluating solutions. In some cases, children can ask each other questions in turn. In this case, the answer to the question must be heard and evaluated by the child who asked the question. This method helps to develop children's abilities such as intelligence, resourcefulness, concentration, analysis and synthesis. It can be done individually or in groups.

"Puzzle" is a creative group game technology. With the help of this technology, children strive to work as a team, by creating various objects, items and images based on shapes pasted on large paper and cut out parts, they develop imagination, innovative thinking, logical thinking, and intellectual abilities.

Along with modeling, comparison, riddles, TRIZ technology can be actively used in the formation of innovative thinking skills in children of primary school age.

TRIZ (the theory of solving inventive problems) - technology stimulates the development of intellectual and creative abilities of elementary school students. Technology is based on tools for developing creative imagination and forming children's innovative way of thinking.

ANALYSIS AND RESULTS

It was determined that the following are important in effectively organizing the processes of formation of innovative thinking skills based on a creative approach in elementary school students through educational and educational activities:

- ❖ use of objects related to images, pictures, text during educational activities;
- ❖ effective use of riddles, tales and narratives related to the topic;
- ❖ connect the heroes of the fairy tale with the theme;
- ❖ more use of didactic, action and role-playing games;
- ❖ integration of educational activities;
- ❖ use of innovative technologies, information communication and digital technologies related to the content of the text;
- ❖ increase and strengthen knowledge on the subject;
- ❖ finding creative exercises and using them effectively.
- ❖ use of videos related to the topic (game, name of words, fairy tale) in carrying out various educational and educational activities.

The level of formation of innovative thinking skills in primary school students based on a creative approach is analyzed based on the following criteria and indicators are determined.

1. High level. They show an active interest in learning, independently find and use information for educational and life activities; understand the simple connections between objects, events and appearances and perceive them as a whole; they use the acquired knowledge and skills to create and implement their

own creative plans in various life situations through independent thinking; they understand the role of human creativity in changing the world; communicates appropriately with adults and peers; find constructive ways out of complex situations; perseverance and patience are shown in the performance of tasks.

2. Middle level. His interest in learning is not stable; rely on the help of adults in finding and using information for educational and life activities; they try to apply the acquired knowledge and skills in different life situations, but mistakes are observed in their independent thinking; they struggle to understand the role of human creativity in changing the world; cannot successfully communicate with adults and peers in a situational manner; they struggle to find constructive ways out of complex situations through innovative thinking; lacks perseverance and patience in completing tasks.

3. Lower level. They do not show interest in learning, they cannot independently find information for educational and life activities; they will not have the skills and abilities to apply the acquired knowledge and skills in different life situations; they struggle to understand the role of human creativity in changing the world; do not want to communicate with adults and peers in accordance with the situation; passivity is observed when completing tasks, he needs the help of others.

CONCLUSIONS

In the present conditions, organizing primary educational processes based on the concept of person-oriented education with a creative approach, ensuring that children appear as subjects in this process, achieving their comprehensive innovative development, and revealing their intellectual potential studying the problems and eliminating them should be considered as a priority issue.

Based on a creative approach, it helps to improve by using "Classic couples", "Pair-to-couple communication", "Puzzle" and "TRIZ" technologies in the process of educational activity in teaching children to think innovatively.

educational activities to ensure the scientific, pedagogical, methodical preparation of children of primary school age for the formation of innovative thinking skills based on a creative approach to educational activities, and to improve the skills of using pedagogical technologies, games, clubs, walks and excursions, training, individual, pair and group work, independent activities, etc., are taken into account as a form of creative approach to the process of teaching elementary school students to innovative thinking, and regularly organize them It will have a positive effect on the child's personality.

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