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DEVELOPING DESIGN AND MODELING COMPETENCES IN FUTURE PRIMARY SCHOOL TEACHERS

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Abstract: This article aims to develop the construction and modeling competencies of future primary school teachers, and discusses the foundations of construction and types of modeling, as well as how this innovation can contribute to the development of our country's education system.
Keywords: Future primary school teacher, construction and modeling, competency-based approach, construction and modeling-based education.

"All our work and reforms are for the future of Uzbekistan. And the foundation of our future is you, the youth. I see it in your eyes: you want to grow up to be educated children worthy of our Motherland. We will create all the conditions for this."[1]
Shavkat Miromonovich Mirziyoyev

As our President emphasized, in order for our country to take its place in the world community in the future and further increase its international position, first of all, our youth must be given ample opportunities. At the same time, as in every other sector, our President is making major changes in our education system, integration and innovation are rapidly increasing the efficiency of education. Thus, as a key issue in the development process, our President pays serious attention to preschool education, which in turn is to further develop the intellect of the younger generation before school age. If the younger generation is engaged in play activities in preschool education, they will begin to engage in scientific activities from the first days of schooling, and from this it is clear that the transition from play activities to scientific activities will not be easy for elementary school students, and the question arises of what measures and procedures need to be introduced. It is precisely for such questions that we need to prepare future primary school teachers in accordance with the current modern education system. Why future primary school teachers? For the younger generation, who have stepped on the threshold of the school, which is the first educational institution, the initial impression is primary, that is, since young students psychologically accept what they see as it is, and since they have low levels of analysis and synthesis processes, it is necessary to clearly and concisely show the appropriate and characteristic aspect. Therefore, the primary school teacher bears great responsibility for what profession primary school students will acquire in the future and who they will become. Based on the above considerations, it is appropriate to conduct theoretical and practical work on the development and formation of construction and modeling competencies in future primary school teachers.

Currently, the widespread use of innovative methods and modern technologies in our education system is of great importance for the future of young people and the further development of the country. Especially for future primary school teachers, the development of construction and modeling competencies is considered the main goal of their professional training during their work. Based on the above considerations, below we will analyze the methods of forming construction and modeling skills and developing competencies in future primary school teachers in theoretical aspects.

The essence of construction and modeling in the education system: Construction and modeling is one of the main competencies that allows the development and organization of the school

educational process in a result-oriented manner, using various pedagogical technologies and modern methods, depending on the type of lesson. Such processes create a broad basis for the acquisition of knowledge at the level of independent thinking, creative approaches and practical application of theoretical knowledge by young students.

The importance of construction and modeling competencies for future primary school teachers in the classroom is described as follows.

- **Increasing the interactivity of the educational process -** Increasing students' interest in the lesson and science and ensuring their active participation with creativity (of their own volition).
- **Planning lessons taking into account their results -** Developing the prediction of results in cases where the lesson is planned in advance and analyzed through subject-specific construction.
- **Developing creative thinking in young students -** Developing and implementing competencies in developing unique learning materials for primary school teachers.

Practical application of modern pedagogical technologies - enriching the equipment of lessons with the use of communication information technologies and the implementation of visualization.

Methods for developing construction and modeling competencies in primary school classes are proposed in the following order.

- ✓ **Practical exercises based on the content of the lesson -** Planning lessons and organizing them using modeling methods with various teaching equipment.
- ✓ **Innovative approaches specific to younger schoolchildren -** STEAM education, project methods and interactive methods, using analysis of the integration process.
- ✓ **Continuous experiential learning and application in the process of activity -** Analysis of experiments based on advanced methods and the practical application of their theoretical aspects is their application.

Use of interactive software tools - Develop skills in working with electronic textbooks, interactive platforms, and modern technologies (educational) and monitor their consistency.

If we intend to produce leading specialists and train them to become owners of modern professions, of course, we need modern methods of teaching. To use such methods, first of all, the lesson must be organized correctly. In turn, we can take the lessons that are currently giving high results and organize them based on a competency-based approach. A competency-based approach not only increases students' interest in the lesson compared to the traditional type of lesson, but also leads to high efficiency in students' acquisition of new knowledge when giving concepts.[2]

In conclusion, based on the above theoretical considerations, the development of construction and modeling competencies of future primary school teachers can be one of the main tasks in the current education system. The quality of primary education can be significantly improved by using modern pedagogical technologies and innovative methods in the classroom. Therefore, in the process of training future primary school teachers, along with theoretical and practical training, innovative approaches and the widespread use of interactive information technologies, it is necessary to develop construction and modeling competencies in future primary school teachers.

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