



Development of Creative Thinking Skills in Students Based on an Individual Learning Trajectory

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Annotation: In order to increase the effectiveness of education, one of the modern and meaningful approaches to education in educational institutions, based on new innovative methods and new approaches, is described - an individual learning trajectory.

Keywords: trajectory, individual learning trajectory, creativity, professionalism, professional competence.

In the world's educational and research institutions, scientific research is carried out on the development of professional training and professional competence of students in the process of teaching specialized subjects based on an individual educational trajectory, improving the independent educational activities of students. In order to increase the effectiveness of education, education is currently being implemented in educational institutions based on new innovative methods and new approaches. One of such effective, modern and meaningful approaches is a person-centered, that is, an individual educational trajectory.

At the same time, during the educational process, attention is paid to improving the professional knowledge and skills of students, developing the innovative potential and professional creativity of students, modeling the principles of pedagogical cooperation in education, and improving the quality and effectiveness of training. [1].

One of the urgent tasks of our time is the introduction of digital technologies and modern teaching methods into the processes of higher education in the "Concept for the development of the higher education system of the Republic of Uzbekistan until 2030", approved by the Decree of the President of the Republic of Uzbekistan. Republic of Uzbekistan No. PF-5847 dated October 8, 2019.

One of the most promising models of individualization of educational activities is the idea of an individual educational trajectory.

As for the concept of trajectory in the "Trajectory of Individual Professional Development", in the National Encyclopedia of Uzbekistan this concept is defined as follows: "A trajectory (Latin *traectorius* - relating to movement) is a line forming a material point moving in space. When a system of material points moves, each point moves along its own trajectory. The state of a system of material points is a point in state space, and its trajectory is called the trajectory of states.

In pedagogy, there is the concept of "individual learning path", parallel to the concept of "individual direction of learning". The concept of "individual trajectory" is a complex, general concept that came from physics to pedagogy[2].

As can be seen from the definition, the use of a physical term in a pedagogical context has a special meaning and figurative nature. S. A. Widow [3],



Individual learning is one of the forms of educational activity that implements the pedagogical influence of the teacher on the student. This refers to the activity of the teacher with the student outside the lesson. Individual teaching is the oldest form of teaching and was widely used in antiquity and the Middle Ages.

At the center of individual learning, depending on the motivation for learning and the ability to cooperate with the teacher, a style of activity is manifested. "Development of students' creative thinking skills based on an individual learning trajectory. Understanding the creative component of professional activity is based on consideration of the phenomenon of creativity, which determines the creative nature of a teacher's professional activity and manifests itself at certain stages of professional activity." creative and professional process.

Here it is necessary to consider the concept of "creative approach", which is the main factor in the development of professional competence: A creative approach is not a combination of ready-made forms that exist in practice, but transformation, change (in accordance with the individuality and characteristics of the student team into a new complex development in syntheses) , as well as the presence of scientific reflection [4].

Creativity is the ability to adapt to the need for new approaches and new products. This ability also ensures the existence of innovation, although the process itself can be either conscious or unconscious. The creation of a new creative product largely depends on the personality of the creator and the strength of his internal motivation. The specifics of the creative process, work and personality, their uniqueness, consistency, compliance with the task, adequacy of the individual educational trajectory create the opportunity to select educational programs that correspond to the level of training and potential of the student, as well as to determine step-by-step ways of its implementation.

This is the inability of students to choose the right educational path based on their potential. Teachers play an important role in choosing a student's own educational trajectory. This is due to the fact that every subject teacher knows well what skills and knowledge are acquired when studying each subject.

For example, I.V. According to Suteeva: an individual educational program is a program of educational activities of a student, i.e. a program of educational activities that provides conditions for the development and development of all abilities and talents of the student based on his interests and educational needs, in order to determine educational and professional activities, educational goals and results. The main goal of such a program is to create conditions for individual learning. [5; 218]

A. V. Khutorsky characterizes the individual educational trajectory as "a personal way of realizing the personal potential of each person in education." [6; 49]

The concept of an individual educational trajectory has a broader meaning and emphasizes that it includes several areas of implementation and indicates the following directions. These are: content-based (variable educational programs that determine the direction of individual learning); activities (special pedagogical technologies); procedural (organizational aspect). Consequently, the individual trajectory of education ensures the existence of an individual direction of education (the sequence of mastering the content and its components - the structural component), as well as the developed method of its implementation, that is, the technology for organizing the educational process.

In conclusion, when implementing an individual educational trajectory in the higher education system, in order to improve the quality of education and improve the results of students mastering



subjects, as part of the educational program, the student must learn to determine his personal steps towards the goal. path to achieving knowledge.

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