



WAYS OF DEVELOPING STUDENTS' TECHNOLOGICAL THINKING SKILLS

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| A B S T R A C T | KEY WORDS |
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| The development of the ability to adapt to the innovations of the modern world, to actively participate in the processes of preparing the younger generation for the life of a constantly updating society and improving it in accordance with the requirements of the time is an important professional task of a teacher of a higher educational institution. This article discusses the development of students' thinking abilities with the help of creative technologies. | Technology, creativity, education, upbringing, mental abilities, teacher, educational institution. |

In our country, as a result of consistent reforms in the field of man, his comprehensive maturation and well-being, creating conditions for the realization of his interests, bringing the quality and effectiveness of education to a new level, opportunities are being created for the widespread introduction of the development of creative abilities of students based on interactive teaching methods.

In the strategy of actions for the further development of the Republic of Uzbekistan Priority tasks such as "further improvement of the system of continuing education, increasing the availability of quality educational services, support and realization of the creative and intellectual potential of the younger generation" have been identified. Accordingly, the development of creative abilities of students on the basis of interactive teaching methods becomes important.

The analysis of the literature shows that the creative potential of a person can manifest itself in such skills as an independent view of a problem, contradictions, critical thinking; the ability to analyze any problems, analytical thinking; the ability to find solutions for them; the ability to translate the acquired knowledge, skills and teaching methods into a new state; the ability to integrate previously learned methods into new ones.

Flexibility of thinking is the realization that the accepted and traditionally existing in society, in fact, template directions and principles that are considered correct, can no longer meet modern progress, a sense of new directions and measures, the ability to think through and formulate them, the ability to restructure their activities and mobilize for new directions of solving the issue. Forecasting, while the ability to predict the prospects for the development of one's field is the thinking of foreseeing the nature of changes, the causes of their occurrence and the timing of their occurrence through the analysis of thinking.

For example, the growth and decline of labor productivity, changes in the conjuncture or market, as well as the impact of these changes on the industry, growth, falling prices, etc. The development of creativity among students requires an appropriate organization of the educational process, depending on the level of knowledge of students, the level of assimilation, the source of education, didactic tasks in the assimilation of learning content.

At the same time, the following pedagogical conditions must be observed:

providing an environment for identifying students' inclinations to master creative activity, the formation of cognitive needs and the manifestation of independence in the learning process;

creating favorable opportunities for creative thinking among students, education

tolerates the diverse thoughts and ideas expressed by recipients, and ensures their activity in the learning process, encouraging everyone establishment of the student's confidence in his ability to think creatively, regular stimulation of his creative activity; individualization of the educational process based on the characteristics, needs and intellectual potential of the student;

- individual, subgroup and team work skills of students

to form, expand their creative abilities, encourage them to make non-standard decisions along with ready-made, standard solutions in solving problems;

reengineering of cognitive knowledge in practice, which is the basis for the development of creative activity

selection and application of interactive forms and methods of teaching, allowing to develop and improve, etc.

Researcher G. Ibragimova described the stages of creativity development in students in the process of interactive learning::

1. Reproductive risk stage. This stage is creative for students

, the activity is characterized by the determination of the propensity for creative activity and creativity, awareness of the essence of innovative technologies in education and the birth, formation of new ideas.

2. Creative and research stage of research. Training is determined by the formation of students' skills of research, creative activity, non-standard thinking, cognitive independence, improvisation, innovation.

3. The stage of creativity, innovation. Practical application, evaluation of the created innovation, includes processes related to analysis, popularization and widespread implementation, as well as the preparation of strategic plans focused on the future.

In the process of developing students' creative abilities, an interactive educational process is important. Interactive learning is a system of teaching methods based on the "subject-subject" relationship, which organizes the learning process based on interaction, based on the needs of activating the cognitive activity of the learner. At the same time, interaction is based on such principles as the activation of students, reliance on group experience, and the establishment of feedback.

So, creativity among students by means of interactive teaching methods and technologies is an important condition for the development of learning abilities based on the creation of a free creative environment in the educational process, joint relationships and joint actions of teachers, teachers and students is to start the process.

A number of factors contributing to the development of students' creative abilities are available, some of them can be listed below:

- develop creative thinking skills, form creative activity, teach

strengthening research and problem research areas in the process;

- creative problem solving and creative activity of students

organization of development situations;

- professionally necessary and promising experience of creative activity of students;

achievements of their approaches as a component of the content of professional activity;

- the process of developing professional skills and abilities of students

orientation to development based on work on interactive methods and technologies, implementation of independent creative activity in them, obtaining independent knowledge, self-education, self-knowledge, positioning, activation of students' independent work skills, achieving their creative thinking in the process.

Creativity characterizes a person as a whole or his specific characteristics.

Creativity is also reflected as an important factor of talent. In addition, creativity determines the sharpness of the mind, "ensures the active involvement of students' attention in the educational process." Teachers, as well as specialists of all industries in foreign countries, increasingly determine the presence and level of quality of creativity in themselves.

For this they are E.P. It was founded by Torrens in 1987 and passes a test that determines whether a person has creative thinking. This test determines the creativity of a person and her level of activity in the organization of creative activity, quick thinking allows you to judge by criteria such as original (original) work and perfection.

Here are the answers to the questions offered to students

, he must meet four criteria. E.P. Torrence believes that the concept of "creativity" is based on the following:

- promotion of a problem or scientific hypotheses;

- verification and modification of the hypothesis;

- identification of the problem based on the formation of the results of the solution;

- the juxtaposition of knowledge and seminar efforts in finding a solution to the problem - sensitivity to resistance.

In conclusion, we can say that the content of the development of creative abilities in students is analyzed on the basis of the requirements of the DTS and the essence of such key concepts as "creativity", "creativity", "pedagogical creativity", "interactive learning", "conditions of interactive learning", "development of creative abilities in students" is revealed.

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