

**THE ROLE AND IMPORTANCE OF USING DIGITAL TECHNOLOGIES
IN THE DEVELOPMENT OF CREATIVITY OF FUTURE
TECHNOLOGY TEACHERS**

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Abstract: this article shows the role and importance of using digital technologies in the development of creativity of future technology teachers. In addition, the factors of development of the creative component and the concept of this creativity are given briefly.

Key words: creative, method, knowledge, skill, technology teacher, education, integration of science and production, intellectual, pedagogical, digital technology.

One of the efforts to reform the education sector of the Republic of Uzbekistan is that it requires pedagogues to work in accordance with the requirements of the times, to have in-depth knowledge, skills and culture to educate a well-developed person in all respects. That brought the concept of "creativity" to the science of pedagogy, which studies the qualities of education and training. Especially today's development of scientific knowledge, its impact on the development of a creative person, society and the state requires a deep study of this issue from a scientific and pedagogical point of view. Currently, the demands of the society on the school are increasing day by day, and it is the task of us to fulfill the future technology teachers with the right approach to these demands. Pedagogical activity is one of the most complex areas of human labor. In today's society, teachers of technology, as a person in the most active position, should acquire modern knowledge, be incessantly inquisitive and selfless, because this inevitable process will save a person from intellectual and spiritual poverty. Implementation of modern standards requires not only high qualifications, constant self-improvement, creative approach in each lesson, and constant quality innovations.

The creation and implementation of advanced technologies, the selection of an innovative path of development, the higher role of knowledge and information in the country's socio-economic development place a great demand on highly qualified specialists.

The concept of creativity derived from English means "creating" or "creator" Creativity can be called striving for the ability to creat or make, creative approach to life, constant critical look at oneself and analysis. Based on modern psychology and pedagogy dictionaries, the teacher's creativity can be defined as his/her thoughts, feelings, communication, creative approach, level of knowledge.

Paul Torrance, known as the "Father of Creativity", identified 4 skills of creativity in his experiences.

1. Fluency
2. Flexibility
3. Uniqueness
4. Creativity

This experience can be used by the future technology teacher to come up with great ideas (originality), expand on them (elaboration), or compare and contrast with other ideas in their classroom activities. finding consistency (flexibility), when required, these skills intersect with each other, and all this is called (Creativity).

I think it is necessary for the future technology teachers to focus on the following steps in his professional activity in order to have creative potential:

- Creative approach in professional performance

Digital technologies have become so embedded in our lives that today not only our daily activities, but also the development of socio-economic spheres cannot be imagined without the intervention of them. Naturally, as in other areas, the introduction of advanced technologies in the tax administration is fundamentally changing its activities.

- Independent study of advanced pedagogical achievements and colleagues about continuous pedagogical achievements experiences
- Ideas exchange thanks to advantages of new technologies

Every year educational programs are enriched and new textbooks are created in order to achieve high efficiency in educational institutions by the educational system management parties. This helps both students and teachers to strive for success professionally. Creativity is considered to be a missing factor in educational activities. In order to fully understand the general essence of the process of formation and development of creative qualities in a person, it is first necessary to understand the meaning of the concept of "creativity". For example, according to Ken Robinson, "Creativity is a set of original ideas that have their own value." And Gardner explains the concept in his research: "Creativity is a practical action performed by a person, which should reflect a certain novelty and have a certain practical value." In terms of Emebayle's approach, creativity means "the possession of highly unusual skills along with thorough knowledge of a specific field." Many teachers believe that they do not

have the ability to be creative. This can be justified by two different reasons: firstly, most teachers cannot adequately explain what the concept of "creativity" really means; secondly, they are unaware of what qualities are directly reflected in the basis of creativity. At this point, it is worth noting that every person has the ability to be creative by nature. So, how can teachers demonstrate their creativity? Here's what Patti Drapeau advises: "If you think that you are not creative, I advise you to start organizing classes aimed at developing creative thinking right now. In fact, it is not about whether or not you are creative and creative, but about how you organize the lessons in the spirit of creativity and try to try new ideas in practice. is counted.

Advantages of new technologies

Nowadays, many countries are taking advantage of artificial intelligence in many essential spheres such as healthcare, transportation, defense and national security. Research by PricewaterhouseCoopers (PwC), a consulting company, shows that global artificial intelligence is expected to contribute 15.7 billion trillion US dollars to the world economy by 2030. This will increase the global GDP by 26%.



Picture 1. The technical tools of IT nad its new technologies

Self-development and self-expression of the future technology teacher is directly related to his creativity. A teacher does not become a creator by himself, his creativity is formed over a period of time through continuous study and work, and it gradually develops or makes the progress. As in the case of any specialist, the future technology science teachers' ability to have creativity is laid as a foundation from the school and student years and is consistently developed when starting professional activity. They should be actively involved in every class and team event, open class, and creative projects. According to A. J. Rowe, creative ideas are formed in the process of working as a team and as a result of creative cooperation.

In conclusion, it can be said that creativity is considered a crucial factor in educational activities, in order to fully understand the general essence of the process of formation and development of creative qualities in a person, it is the initial necessity to understand the meaning of the concept of "creativity".

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