

Formation of creativity characteristics in students of higher education organization based on CTEAM educational technology design method

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Abstract: The article provides information about the reforms being carried out with the aim of radically changing the new Uzbek education system, integrating it with international standards, training qualified personnel who will meet the requirements of the labor market, and bringing up a new generation that will implement the idea of the Third Renaissance.

Key words: Pedagogy, person, individual, education, creativity, creativity, incon, development, intelligence, spirituality, culture, organization, knowledge.

The creation of the necessary and sufficient conditions for the participants of the educational process in order to improve the quality and efficiency of education, the reforms in the educational system carried out in our country, innovative changes, the training of highly qualified specialists, as well as the creation of special responsibility for the heads and professors of higher educational institutions.

In order to radically change the educational system of New Uzbekistan, integrate it into international standards, train qualified personnel corresponding to the requirements of the labor market, and bring to adulthood a new generation that implements the idea of a third Renaissance, major reforms are being carried out.

It will be a fact, if we say that the training of young people with creative competence, who are able to demonstrate creative skills in professional and everyday activities to pedagogical universities, is the foundation for a new renaissance in Uzbekistan – the third Renaissance. According to the president, "today's Uzbekistan is not yesterday's Uzbekistan. Today's people are also not yesterday's people " [speech by President Shavkat Mirziyoyev at the solemn ceremony dedicated to the Twenty-Nine anniversary of the independence of the Republic of Uzbekistan. 2020, August 31.].

In this sense, the current stage of the development of society both in our country and abroad is defined as the period of active search for new methods of personal development, the development of its creative initiative, independence, mobility.

Each individual potentially has creative development needs. There is a person who seeks to make the future of himself and his people Great, who must always create and discover himself anew.

Our President Sh.M.Mirziyoyev visited the Youth Forum of Uzbekistan on December 25, 2020 and expressed confidence that in the process of meeting with young people, today's youth is a great strength of the people's future "we will not apply to any reforms in our country, first of all, we will rely on young people like you, your strength, your perseverance. You all know well that today we have set ourselves huge milestones. We began to create the foundation of the third renaissance in our native land. We consider family, preschool education, school and higher education, as well as scientific and cultural institutions as the most important links of future Renaissance. Therefore, we are carrying out radical reforms in these areas. I believe that our selfless and patriotic youth, like you, will actively participate in the creation of a new foundation for the development of our country and make a worthy contribution," the speeches were made [[https://www.gazeta.uz /uz/2020/12/25/forum](https://www.gazeta.uz/uz/2020/12/25/forum)].

These thoughts are aimed at educating the youth layer in our society as competitive in all respects, educating and educating the world in a way that responds to changes in a lively way, can add to the development of the future of a great country with its intelligence, spirituality, culture, organization and entrepreneurship.

Based on the conditions of modern reality, it is necessary to consider the development of a person with creative individuality and a special creative thinking as the main goal of the development of creativity in students of higher education organizations. Only the acquisition of special knowledge is not enough to become a good graduate, and in this it is also necessary to take into account the development of aspects of the individual that correspond in most respects to the individual nature, creative potential [Varlakova, yu. R. Teoria I methodology razvitiya creativnosti budutshikh designerov-pedagogov / yu.R. Varlakova // Vestnik tomskogo gosudarstvennogo pedagogicheskogo University. — 2011]. In our opinion, it is necessary that all this is reflected in the training (teaching them) of students of higher education organizations, whose activities cannot be imagined without creativity, dissimilarity from others and the realization of creative potential.

Higher education (education) is the embodiment of a new type of thinking, characterized by the fullness of knowledge presented in it, at a higher stage of evolutionary development. For the OTM, the teacher is an active researcher, and the student is an active participant in this study, the unity of research and teaching is characteristic.

Unlike a specialized university, a classical University also has the goal of providing additional competence in various areas of professional activity. For example, students of the specialty "national idea, fundamentals of spirituality and law education" in their professional activities, as well as students of the educational direction "history teaching methodology" in their development from pedagogical tasks, in our opinion, further increase the need to develop their creativity and give T'lim originality. Analyzing the state educational standards, we came to the conclusion that creativity, consequently, is defined in the requirements of the ability to creativity as a description of the mujburi essence of pedagogical educational institutions.

In our research work, we consider it necessary to resort to the pedagogical analysis of the concept of "technology". This requires an appeal to the essence associated with the concept of "technology". "Technology" is a concept that comes from the Greek language, and "techne" – formed from the words art, mastery, qualification and "Logos" – concept, doctrine.

In philosophy, "technology" is understood as the science of the transformation and application of matter, Information and power in the interests of Man and according to his plan. From the point of view of pedagogy, "technology" is interpreted as the systematized application of scientific (organized) knowledge to solve pedagogical tasks. It is also necessary to emphasize that technology is unthinkable in it without the participation of a social element (subject, person).

Students of higher education organizations are obliged not to repeat their education in the development of creativity, it is obliged to be (to rely) on pedagogy in many ways. Methodical training, in which training becomes the core of the whole process and the link that forms the system, must be carried out through education [Krivenko, N.V. samostoyatel'naya rabota kak sredstvo razvitiya tvorcheskikh sposobnostey studentov kolledja: avt. dis. ... village. ped. nauk : 13.00.08 / N.V. Krivenka 2008.- 25 c.]. Based on this, the following distinctive features of teaching higher education organizations can be distinguished:

firstly-the orientation of education towards pedagogy, and secondly, its artistic component. These features are reflected in the celebration of the creativity of students of higher education organizations. These characteristics consist in the need to develop the verbal and nonverbal creativity of students.

Creative activity necessitates a high level of nonverbal (artistic) creativity, since it has its own individual specificity and is aimed at creating objects that require perception in a special way. The creators realize their potential in the rassmization of the environment with graphics tools with the application of computer graphics in the fields of printing, design and other types of visual design. 3D design is one of the most demanded areas of modern design, and the design of 3D - animation, 3D -

presentation and interiors (layouts) belongs to 3D - design. Many experts believe that this area has the most prospects, after all, it is closely connected with the rapidly developing field of information technology today.

In the near future, the following specialists are sharply lacking all over the world: ICT specialists, programmers, engineers, specialists in the production of high technologies, etc.

- In the future, such professions will appear that it is even difficult to imagine this now, they will all be associated with the production of techniques and high technologies based on natural and Exact Sciences. These are those in which the demand for specialties such as biotechnology, nanotechnology increases.

- The future requires comprehensive qualified training from specialists with comprehensive training, creative thinking, comprehensive knowledge from various fields such as engineering and technology, mathematics.

The fact that the quality of creative thinking does not meet the requirements of the present, the motivation of students and students, the number of teachers is sufficient but the quality of education is low, the need for good personnel in a market economy creates the problem of searching for a solution to an unsatisfactory self-problem, taking acceptable measures.

The development of the ability to find creative thinking and non-standard solutions based on a technological approach in higher education organizations, in the field of education as a whole, to find unusual solutions to problems, is becoming an important issue of the day. When we got used to external experiments, we observed several advantages and effectiveness of training based on "Kemrij technology". Today in our country, it can be seen that the system of teaching on the basis of this technology is established in the "presidential schools" and is based on high teaching technologies. The main link of the work implemented in "Cambridge technology" is the revision of the curriculum, textbook, national curriculum, adaptation to the Cambridge teaching system, the organization of classes with high technology and high skills, and the Organization of steam training-based practice.

Traditional education in secondary schools is aimed at the formation in students of knowledge, skills and abilities established on the basis of DTS in a particular subject area.

In teaching in natural and Exact Sciences, work on aircraft construction, young technical areas in school and extracurricular education was organized with students on the issues of construction, programming. If in the lessons of Labor Education the necessary skills in certain areas were introduced to different professions, an example can be made of the fact that now various technical devices and equipment aimed at relieving human labor are being improved.

Steam (Science-Science, Technology-Technology, Engineering-Engineering, Art-Art mathematics-mathematics) education is an integrative teaching within the framework of an academic scientific and technical concept based on Real - life requirements.

The education of a competent person in students who can understand nature as a whole being, a single picture of the universe, understand environmental problems, and develop skills of rational use of natural resources, contribute to the development of nature and society;

The Steam approach is changing our view of education and learning. By focusing on practical ability, students develop their will, creativity, flexibility, and learn to collaborate with others. These skills and knowledge constitute the main educational function, that is, it refers to what the entire educational system strives for. How did this new approach to education come about? This is the logical result of combining theory and practice. This will result in the formation of a creative thinking personality [Z.B.Sangirova, J.A.Rakhmatov and head. "Introduction of Steam education for secondary schools (methodical manual)".

Steam education technology based on its design method lies in cognition and artistic research. Such research is carried out in research work on the acquisition of knowledge in the process of

practical activity, and then their re-use in practice, that is, the construction of constructions in games, the support of technical creative elements and the acquisition of knowledge.

The main goal of the introduction of Steam-education is to educate scientifically sought – after, creative personnel by early identification of the interests of students from school age and orientation towards the development of their talent, creativity, bringing innovations to life.

In conclusion, it should be said that in the transition to a new system of Education, serious attention is also paid to the issue of training educators, introducing technologies for the development of creative thinking into the system of training students in higher education organizations. Since the future is aimed at the development of technologies, it was aimed at the teachers who educate students to correctly determine the future of technologies, to overcome any obstacles along the way, to do everything possible and to endlessly expand the worldview of students.

The external structure of the Constitution describes its relationship with other sources of law, the totality of relations, its place and role in the legal system and its significance in the system of social and normative regulation in society.

The article presents the role of family, forming system of upbringing, traditional-educational system and traditions in Uzbekistan.

In an article consistently revealing the principles of the Bologna process for measuring the quality of education, the dynamics of internationalization and the logic of integration in European higher education and in Eurasia.

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