

## SCIENTIFIC AND THEORETICAL FOUNDATIONS OF DEVELOPING CREATIVE ABILITIES IN STUDENTS

**Gulshikhra Erejebaevna Allakhova**

Pedagogical skill center of the Republic of Karakalpakstan "methodology of socio-economic sciences", department teacher doctor of philosophy in Pedagogical Sciences (PhD), Karakalpakstan, 230100, Uzbekistan

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### ABSTRACT

In the field of pedagogy at the global level, a lot of research is carried out on the issues of the development of creative abilities of students of general educational institutions. Today, it is necessary to introduce innovations that are widely used on a global scale into educational processes, scientifically substantiate the methods of developing creative abilities in students, introduce and improve the methods of creative teaching appropriate to the system of public education.

This article covers the scientific and theoretical foundations of the development of students' creative abilities in secondary schools, the feedback of scientists who conducted scientific research on this issue, the creation of sufficient conditions for students to think creatively in the process of creative teaching, the development of opportunities, the stimulation of various new ideas and opinions expressed by students.

### Introduction

The world is paying special attention to modernizing the education sector and improving the methodological support of teaching in line with modern development trends. Currently, in order to ensure the effectiveness of education, issues of development of creative abilities of students of general education institutions are being

studied in developed countries of the world, in particular in leading universities of such countries as Russia (Moscow State University, St. Petersburg State University), Germany (Technische Universität Darmstadt), the United States (University of Ostrava), the United Kingdom (Cambridge University), the Czech Republic (University of Ostrava).

The principles of the social and social development of our country today require to further increase our spiritual potential and economic power in order to get a worthy place among the developed countries of the world, to rebuild them to the extent that they meet the requirements of scientific and technological development of the 21st century. To do this, it is necessary to modernize the educational system, change the worldview of our student-youth, develop their independent and critical thinking skills, strive for innovations in them, develop new ideas, be able to get out of problem situations, raise the skills to the level of World templates.

Creative abilities in students are achieved by creating sufficient conditions for the development of such qualities as mental thinking, new ideas, being able to make good use of time, metaphor (uniqueness), curiosity, strong perception, critical thinking, creativity, pleasure from problematic assignments, boldness, and arousing motivation in students.

Analysis of thematic literature. On the issues of creationism, creativity in education, many scientists have expressed their opinion on the development of abilities in their scientific work (Table 1).

The highest qualities inherent in a perfect person are creativity, talent, and love of science. [1].	Alisher Navoiy
The personality is a set of skills related to the qualities of creativity, creativity, which includes a high level of sensitivity to problems, intuition, predictability of results, fantasy, research and reflection [2].	G.I.Ibragimova
One of the most valuable characteristics of creativity potential is its role in creating innovation. Innovation is the product of personality intelligence and is manifested as a result of the application of creativity [3].	Yu.M.Asadov
Creative potential is the search for new methods and methods by an educator, the realization of the needs to abandon standards [4].	A.R.Aripjanova
Human imagination continues until the grave. Human imagination continues until the grave....We cannot eliminate loneliness without imagination...Whoever cannot hold his imagination-he is being; whoever can harmonize his imagination with the ideas of good – he is an enterprising, unruly imaginative person – a dreamer.	I.Kant
Every transition from non-governmental to creative, as a result of which the creation of any arts and crafts can be called creativity, and all creators are their creators [5].	Platon
oy, joyful anger-the sun, illuminating everything and everything that is happening is the divine joy of creativity! All the joys of life in creativity. Love, genius and work are the power that comes	R.Rollan

from one flame. Death must be killed to create [1].	
When a fairy-tale carpet-plane appeared in the people's imagination, it was not for anyone's imagination that people could fly on an airplane while hanging in the air? Joy, joyful anger-the sun, illuminating everything and eve.	K.S.Stanislavskiy
Any high and beautiful thing in our life, science and art is created by our mind with the help of imagination and is very fantastic with the help of reason. It can be said with confidence that neither Copernicus nor Newton can achieve this importance in science, which they use without the help of fantasy.	N.I.Pirogov
Creativity is the ability to admire and realize, find solutions in non-standard situations, the purposefulness of discovering new things, and the ability to deeply understand one's own experience [6].	Terminological diction
Creativity is a factor that constitutes the barrier or characteristic of creative ability and personality [7].	G.M.Kodjaspirova
Creativity is a systematic psychological education, which is not given only intellectual potential, but also motivation, emotion, the presence of the level of aesthetic development, communicative parameters, competence [8].	T.A.Barisheva, Yu.A.Jigalova
Creativity – sees at the level of maturity of a person, that is, in his ability to witchcraft, in a person with an alternative temperament, in the ability to create something new: to find new solutions to the problem, be able to work with a new style or means, create a new work of Sankhat, etc. [9].	S.M.Vishnyakova

Achieving the development of activities of students in the development of creative abilities, such as the types of tasks on topics, focusing on the choice of the form of their performance, as well as increasing the activity of students, the formation of collaborative working skills, their discussion, being able to get out of problem situations, analyze problems and draw correct conclusions requires the teacher.

Psychologist scientists V.PsPsychologistPsychologist sPsychologist scientists V.V.Davidova, A.V.Zaporozhsa, B.F.Lomovas argues [10] in psychology, this concept is in two directions: - “the life

experience and individual nature of a creative person (personality factors); creative thinking and its product (Creative factors-thinking awareness, accuracy, variability, sensitivity to problems, originality, resourcefulness, constructiveness in finding their solution).”

Some sources on pedagogy state that creativism is a non-standard, original, unique creative solution, active perception in the process of intellectual creative activity and in a creative uplifting spirit “leads to a complete embodiment of all spiritual forces in the object of creativity, labor productivity in the case of emotional uplift” [11]. So Some

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M.A.Kholodnaya [12] and Sun Ye Hwang [13] included originality, consciousness, variability, and integration as criteria for creativity.

Ray M.Simpson, in the 1992 “American Journal of Psychology”, originally coined the term “creativity” in a research work to identify creative thinking for American schools and college students [14].

Sources and methods. Creativity in students is reflected in the development of abilities being able to manifest their identity as shazs. The development of this ability in them creates a special sensitivity to the lack of information and the desire to fill this gap. To develop the creative abilities of students of secondary schools, first of all, the science teacher himself must have creativity. The level of creativity in its teachers can be determined by its positive attitude towards students, effective use of interactive educational technologies, behavior, ability to correctly choose modern methods and means of teaching science, consistency of

materials given to students and organization of extracurricular and educational work. Achieving a high level of creativity requires pedagogical skill, professional literacy and pedagogical experience from the teacher.

It is possible to say from the above comments on creativity that creativity is an activity of students that seeks to develop new ideas as a result of their unconventional thinking. And the creative educational processes with the cooperation of the teacher, the student and the means of education are creative teaching.

In the process of teaching students creatively, it is relevant to create sufficient conditions for their creative thinking, develop opportunities, accept on the basis of stimulating various new ideas and opinions expressed by students, and increase student activity.

It is also a manifestation of the creative teacher's activity to instill in each student confidence that he has the ability to think creatively, to stimulate their creativity. This serves to ensure the effectiveness of the educational work being organized in secondary schools.

Analysis and results. In the 21st century, globally, education is recognized as a key factor in ensuring sustainable development, and the process of “providing an opportunity for quality education throughout life” is included among the

urgent tasks in the new educational concept established before 2030. Decree of the president of the Republic of Uzbekistan “on approval of the concept of development of the public education system until 2030” PF-5712 [15] approved on April 29, 2019, in this decree, the gradual implementation of the principles of further improvement of teaching methodology in the concept of development of the public education system until 2030, individualization to educational processes, particular attention is paid to the introduction of modern information and communication and innovative technologies into the educational system, thereby increasing the creativeness of students and the level of copmetenicity.

The main goal of the students of secondary schools from creative teaching is to develop the creative competence of students and effectively establish their creative activities. Increasing the level of competence of students is considered important in the development of their creativity.

From the studies it turned out that students with creative abilities show the following:

- is able to deeply understand the content and essence of the tasks assigned by the teacher;
- actively participates in innovative educational conditions;

- can take advantage of the possibilities of self-expression;

- learning-cognitive activities are effective;

- can independently use e-learning tools

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- can take advantage of the possibilities of self-expression;

- learning-cognitive activities are effective;

- can independently use e-learning tools;

- can use creativity in training;

- can apply the knowledge gained in practice;

- develops new ideas;

- expresses thoughts that no one has come to mind;

- asks unusual questions;

- enjoys issues whose solution is not found;

- sometimes makes comments that are not related to the topic;

- has independent work skills;

- can create new slushes;

It is also advisable to conduct classes organized with the aim of developing the creativeness of students in secondary schools under the following conditions:

1. Formation of motivation to acquire knowledge in students;
2. Self-control and management;
3. Introduction of innovative, pedagogical technologies into educational processes;
4. Creating a creative teaching environment and applying creative and interactive techniques to it.

Conclusions and suggestions. One of the main tasks of the educational system, which promotes the adaptation of the system of preschool and school education in our republic to the requirements of the time and its organization in accordance with the capabilities of those who receive education, is the formation and development of independence, initiative, creativity, creativity, research abilities in students. Therefore, the ideas about the education of young people with a creative, broad worldview, intellectual potential, advanced in the EU-regulatory documents adopted by our government today in order to modernize the educational system, raise it to a high level of quality, indicate the need for a high level of development of creative abilities in students.

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