

Impact Factor:

ISRA (India) = 4.971
ISI (Dubai, UAE) = 0.829
GIF (Australia) = 0.564
JIF = 1.500

SIS (USA) = 0.912
ПИИИ (Russia) = 0.126
ESJI (KZ) = 8.997
SJIF (Morocco) = 5.667

ICV (Poland) = 6.630
PIF (India) = 1.940
IBI (India) = 4.260
OAJI (USA) = 0.350

SOI: [1.1/TAS](#) DOI: [10.15863/TAS](#)

International Scientific Journal Theoretical & Applied Science

p-ISSN: 2308-4944 (print) e-ISSN: 2409-0085 (online)

Year: 2021 Issue: 03 Volume: 95

Published: 09.03.2021 <http://T-Science.org>

QR – Issue



QR – Article



Makhamadikhon Isroilovich Ismoilov
Namangan Engineering – Construction Institute
professor

Mashkhura Makhamadikhonovna Ismoilova
School №42 Kosonsoy region
teacher

Muniskhon Fakhriddinkhon qizi Mutalibkhonova
Namangan State University
student

CREATIVENESS AND ITS IMPORTANCE IN PROBLEM SOLVING

Abstract: The article examines the essence and importance of creativeness, the characteristics of a creative person, its advantages, the evaluation of creativeness, the theoretical basis of the criteria for creativeness.

Key words: thinking, creativity, conflict, ability, hypothesis, invention, talent, system, criterion.

Language: English

Citation: Ismoilov, M. I., Ismoilova, M. M., & Mutalibkhonova, M. F. (2021). Creativeness and its importance in problem solving. *ISJ Theoretical & Applied Science*, 03 (95), 60-63.

Soi: <http://s-o-i.org/1.1/TAS-03-95-9> **Doi:**  <https://dx.doi.org/10.15863/TAS.2021.03.95.9>

Scopus ASCC: 3300.

Introduction

UDC 37.02

Creativeness (English create-create, creative-creative, creativity) is a creative ability, characterized by a willingness to create persistent new ideas that deviate from traditional or ordinary thinking traditions and enter the structure of talent as an independent factor, and are capable of instantly solving problems that arise within static systems.

Personality creativeness is manifested in his thinking, communication, feelings, certain types of activity.

Creativeness-as an ability to think creatively, is often perceived as an important indicator of ability. At present, there are no generally accepted guidelines on how to recognize creativity in young children and even the presence of creativity. For example, someone can be creative original in the formulation and solution of problems related to physics, but cannot be a writer. In addition, someone can be creative in one or another field, but only in certain periods of his life.

Creativity plays an important role in determining perfection. The form of talent always manifests itself

in a certain field. No one can be creative or resourceful in everything. Studies show that many creative people can be considered talented, but not all talented people are creative.

The founders of the creativity test are J. Gilford and P. Torrens. C. Gilford believes that thinking is divided into two parts – convergent and divergent thinking, which indicates that the ability to think differently allows solving various problems leads to unexpected conclusions.

At present, it is necessary to focus your work on the creative approach to the proposed training programs, as well as on the development of the potential of students. The modern process should take into account the individual characteristics of the students, their interests and needs. Readers should not only see, but also believe in it, understand its importance, answer interesting questions independently, help in the process of self-realization.

In order to formalize the creativity of the individual in R.Sternberg's work of praise, adults should not be limited to the creative abilities of children, that is, they should demonstrate their creative behavior.

Impact Factor:

ISRA (India) = 4.971
ISI (Dubai, UAE) = 0.829
GIF (Australia) = 0.564
JIF = 1.500

SIS (USA) = 0.912
ПИИИ (Russia) = 0.126
ESJI (KZ) = 8.997
SJIF (Morocco) = 5.667

ICV (Poland) = 6.630
PIF (India) = 1.940
IBI (India) = 4.260
OAJI (USA) = 0.350

In fact, a creative person is one who intuitively feels the need to create a new idea, to add one detail or twist everything to the opposite side, to produce something fundamentally new, or to demontage and lay down something already familiar, in a different way, to find a way to act contrary to existing stereotypes or simply look at static systems. Creativeness in a person:

- it will help to solve the problems that have arisen, since the very beginning of the idea helps to get out of the situation better;
- helps to find the most unusual ways to develop thinking in a person helps to find motivation;
- makes life infinite variety-HIL;
- creativity makes it possible to realize the views of the reader;
- self-awareness will help to find ways.

Famous A. Maslou-in his opinion, creativeness is a creative direction, and all will be inseparable innate, but he believes that in the influence of the environment this ability can be lost.

G. Altshuller knew creativeness was "inspiration by order." Since then, disputes between the theories of creativity and invention have been continuing. Perhaps, many of us have repeatedly faced the lack of inspiration and ideas. We offer several techniques that can give you the right idea.

Method of mental attack. One of the most common and used methods. Several readers offer their own ideas and opinions on a particular problem. The main thing to remember is to say without hesitation any idea.

The method of synthetics. The establishment of associative connections is based on the characteristic of the brain. 4 type of analogies are used. True, directly symbolic, fantastic, personal.

Creative abilities-the ability of a person to create new ideas in creative decision-making. Creative abilities are manifested in everyday life as a resourcefulness, the ability to achieve a goal, the ability to find a way out of a desperate visible situation by using the environment, objects and circumstances in an unusual way.

In a broad sense, a trivial and skillful solution of the problem and, as a rule, a solution with non-specialized means or resources. It also implies the ability to solve problems confident, non-standard.

On the issue of whether it is possible to develop creativeness – scientists have expressed their different opinions.

In order to understand the general essence of the process of developing the qualities of creativity in a person, it will be necessary to know the meaning of the concept of "creativity".

For Example, According to E. P. Torrens, creative challenges include high exposure to deficits, deficiencies, or cognitive deficits, as well as actions on the basis of proposing hypotheses to identify those

problems, describing the outcome of a decision to investigate and modify hypotheses, he says.

When assessing creativity, various types of thinking tests, analysis of personal questionnaires are used. For the purpose of facilitating the development of creative thinking, it is possible to use educational situations in which it is not complete or characterized by Transparency in order to combine new elements, at the same time students are encouraged depending on the formation of different questions.

An expert and experimental assessment of the individual's ability to acquire knowledge shows that the creativity of the student is not so great. Continuous improvement of the educational institution can be achieved only by attracting all pedagogical staff (Kaydzen method), sharply increasing the creativity of the educational institution. There are psychological means that measure creative thinking. E. famous in the world psychological experience. P. Torrens test. This test allows you to evaluate: oral creativeness; expressive, vibrant creativeness; exceptional creative abilities; fluency; flexibility – this indicator assesses the diversity of ideas and strategies, the ability to move from one aspect to another; self-esteem, this indicator characterizes the ability to push forward ideas that are different from the usual, familiar, universally accepted, accustomed or decisive decisions; the ability to see the essence of the problem; the ability to resist stereotypes.

The main criteria for the formation of creativeness are the following:

Fluency is the number of ideas that arise in a unit of time; originality is the ability to create unusual ideas that differ from generally accepted ideas; flexibility-the significance of this parameter, as Rango points out, depends on two circumstances: first, this option allows to distinguish flexible individuals in the process of solving a problem from those who are determined to solve them; ; impressiveness is a sensitivity to unusual details, contradictions and uncertainties, the desire to quickly move from one idea to another; metaphor, willingness to work in completely abnormal conditions, a tendency to symbolic, associative thinking, the ability to see a complex simple problem in complexity; satisfaction is the result of creativeness. With a negative result, the meaning of feelings and further development disappear.

According to Torrens:

fluency – the ability to create multifaceted ideas; adaptability – the ability to use a variety of homogeneous strategies in solving problems; originality (self – esteem) – the ability to think of unusual, non – standard ideas (thoughts); Development (Research) – the ability to piece together the thoughts, ideas that have arisen; resistance to humanism-the ability to "stay open" for a long time without paying attention to various stereotypes in solving the problem; ability to get noticed. The title

Impact Factor:

ISRA (India) = 4.971
ISI (Dubai, UAE) = 0.829
GIF (Australia) = 0.564
JIF = 1.500

SIS (USA) = 0.912
PIHII (Russia) = 0.126
ESJI (KZ) = 8.997
SJIF (Morocco) = 5.667

ICV (Poland) = 6.630
PIF (India) = 1.940
IBI (India) = 4.260
OAJI (USA) = 0.350

process reflects the ability to switch the figurative information into an oral form. In addition, there are norms, such as the ability to appear large number of ideas.

The presence in a person of the above abilities is an indication of his creativeness or creative potential. The character of the person is important in improving the gameplay and quests.

It turns out that creativeness is a significant advantage that helps to surpass opponents in all spheres of life. Developing creativeness is an important prerequisite for success.

There are several hypotheses on the origin of creative abilities. According to the first hypothesis, creative abilities in a conscious person are gradually, for a long time, cultural and demographic changes in the human race are, in particular, as a result of the successive strengthening of characteristics in the generation, the reproduction of the shells of intelligent and intelligent students, the growth of the number of pupils. In 2002, the anthropologist of Stanford University on the second hypothesis noted by R. Clay, creativeness was characterized by Jump-Jump development. It is estimated that 50 thousand years ago the full-fledged genetic mutation appeared as a result.

Creativity is the ability to make unexpected decisions based on existing knowledge or experience. The conclusion is that creativeness is a creative opportunity that helps a person to create some kind of innovation. Here from all his youth he got used to the word "creativity".

The conclusion is that creativeness is a creative opportunity that helps a person to create some kind of innovation. Here from all his youth he got used to the word "creativity".

Does creativity replace or complement creativity? - there is confusion in the matter. The enema is simple. Creativity is a process, and creativity is a skill that helps to engage in creativity. That is, whoever has developed creativeness, his creativity will be much lighter. Creativity-given the non-standard approach to the performance of the tasks set, it is worthwhile to conduct a non-standard approach to the development of creativity. Unlikely to put himself in the place of a film or computer game hero when someone from US tries to solve any issue. Why would not it be so? After all, one head is good, two are good at it. Let the second head of declination also be fictitious. Hiding the whole beauty of creativeness – full of action land and endless imaginary fantasy.

The absence of superposition in the reader is associated with the inability to first believe in the present (that is, there are no fantasies, dreams, wishes and desires). Such a method will come to hand not only to increase creativity and overall chances, but also in certain life situations. For example, some frail schoolboy is returning home at night. On a dark street, several people approach him with bad intentions in front of him. Then, knowing that all material problems will fall on his shoulders, screaming at his friends from behind with a loud voice, says that they will come faster and interfere with the situation.

References:

1. Isroilovich, I. M., et al. (2020). Philosophical ideas and views of national culture in the condition of globalization. *PalArch's Journal of Archaeology of Egypt/Egyptology*, T. 17, №. 7, pp. 14289-14295.
2. Farxodjonova, N. F. (2021). "Modernization Of Uzbek Language And National-Spiritual Heritage In National Culture." *The American Journal of Social Science and Education Innovations*, 3.01 (2021): 585-594.
3. Farxodjonova, N. F. (2020). *Formation of national idea through factors of national culture*. Mirovaja nauka 2020. Problemy i perspektivy, pp. 3-6.
4. Golish, L.V. (2005). *Tehnologii obuchenija na leksijah i seminarah*: Uchebnoe posobie. Pod obshh. red. akad. S.S. Guljamova, Tashkent: TGEU.
5. Farxodjonova, N. F., & Pulatov, A. (2019). Modern methods of increasing student interest in social sciences. *Jekonomika i socium*, №. 4, pp. 38-40.
6. Episheva, O.B. (2004). Osnovnye parametry tehnologii obuchenija. *Shkolnye tehnologii*, № 4.
7. Farxodjonova, N. F., & Abdurahimov, V. A. (2020). *Modern technologies of students training in higher education*. Nauka i tehnika. Mirovye issledovaniya, S. 5-7.
8. Farxodjonova, N. F. (2018). Relation to national culture in the condition spiritual renew of society in the republic of uzbekistan. *Mirovaja nauka*, №. 6, pp. 14-17.

Impact Factor:	ISRA (India) = 4.971	SIS (USA) = 0.912	ICV (Poland) = 6.630
	ISI (Dubai, UAE) = 0.829	PIHII (Russia) = 0.126	PIF (India) = 1.940
	GIF (Australia) = 0.564	ESJI (KZ) = 8.997	IBI (India) = 4.260
	JIF = 1.500	SJIF (Morocco) = 5.667	OAJI (USA) = 0.350

9. Numonjonov, S. D. (2020). Innovative methods of professional training. *ISJ Theoretical & Applied Science*, 01 (81), pp. 747-750.
10. Farxodjonova, N. F. (2019). *Modernization and integration: social-philosophical analysis*. Rol'nauki v formirovanii sovremennoj virtual'noj real'nosti.
11. Farxodjonova, N. F. (2016). *Problemi primeneniya innovatsionnix texnologiy v obrazovatel'nom protsesse na mejdunarodnom urovne*. Mejdunarodnaya konferentsiya. Innovatsionnie tendentsii, sotsial'no-ekonomicheskie i pravovie problemi vzaimodeystviya v mejdunarodnom prostranstve.
12. Sodirjonov, M. M. (2020). Education as the most important factor of human capital development. *Theoretical & Applied Science*, (4), 901-905.
13. Ismoilov, M. I., & Farhodzhonova, N. F. (2016). *The Philosophy Analysis Of The Evolution Of Ecological Paradigm*. Novye idei v filosofii, pp. 1-7.
14. Ismailov, M. I., & Farhadzhanova, N. F. (2016). Jekologicheskaja paradigma: smysl i sushhnost`. *Fundamental'nye i prikladnye issledovanija v sovremennom mire*, №. 13-4, pp. 20-23.