

The Importance of Creative Thinking in Achieving Success

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Abstract

Approach to any work is one of the most important issues that are being studied and paid attention to in all spheres of society and the production process today. Creativity is more important than ever in a situation where technology is rapidly developing, especially when artificial intelligence is being created by scientists and is rapidly entering our lives, or where there is a high probability that artificial intelligence will play a major role in our daily lives in the future. is enough.

Keywords: success, thought, creative person, social creativity, society, creativity, goal, knowledge, human, young people.

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What is creative thinking? What is the role of creative thinking in today's society? How are the characteristics of creativity manifested in a person? In approaching this issue, it is necessary to rely more on foreign experience, because we can see that this issue has been studied widely and in detail by foreign scientists. For example, American psychologists Hennesey and Amabile claim that Creative approaches and achievements have advanced human civilization worldwide in fields ranging from science and technology to philosophy, arts, and the humanities.

For Economic Co-operation and Development in Europe, creative thinking is more than just generating random ideas. It is a real skill based on knowledge and experience that allows a person to achieve better results in sometimes difficult situations. All over the world, societies and organizations increasingly need innovative knowledge and creativity to solve problems. It is true that the impact of creative thinking on the whole society is behind significant types of innovation, but it is also universal and is also an equalizing phenomenon, that is, any person, to one degree or another, has the ability to think creatively.

Helps to understand the qualities of uniqueness and uniqueness in the essence of things and events, unlike template, boring thinking. ” - defines.

In the PISA (Programme for International Student Assessment) research, creative thinking is defined as the ability to effectively participate in the development, evaluation and improvement of ideas that lead to original and effective solutions, achievements and imaginations in the field of knowledge. reefered. The dictionary meaning of the concept of creativity in English is "create", "creative" means creator. We can see that different definitions are given by representatives of different fields, depending on which area of society's life it is used. For example, when approached from a pedagogical point of view, creativity

expresses the meaning of the creative ability of a pedagogue, which describes the readiness to produce new ideas and is part of talent as an independent factor. From a psychological point of view, creativity is the ability of a person to be creative, creativity is the level of talent, characterizing the readiness to create fundamentally new ideas that are far from the traditional or habitual way of thinking of an individual, as well as solving problems in a special way. Creative ability is considered as an independent factor of talent.

In general, today, activities aimed at creativity, creativity, innovation are understood as creative activities. A creative person has his own way of thinking, worldview, always striving for new things, working tirelessly on himself, being able to find a solution to a problem in an unusual way compared to other people and expressing original views, being an interesting conversationalist and reflecting other characteristics. It is necessary. Using creative abilities not only for creating new ideas, but also for improving lifestyles or individual aspects, and for the development of the inner world of a person, has an important place.

A. Maslow also believed that creativity is an innate creative direction characteristic of everyone, an activity that disappears in many people under the influence of the environment. American psychologist Joe Paul Gilford was the first to compare creativity and intelligence in his scientific research. He divided thinking into convergent and divergent types while creating a model of the structure of intelligence. Convergent thinking - (Latin *convergere* - "one way") is a form of thinking, which is the choice of only one correct solution from several solutions to a problem. Convergent thinking is based on intelligence, which is why it is also called intellectual thinking.

Divergent thinking - (Latin *divergere* - "to split") is one of the methods of creative thinking, finding several solutions to a given problem, therefore, in addition, divergent thinking is "searching in different directions at the same time, i.e. that there are several correct answers to a problem and serves the birth of original creative ideas.

The basis of divergent thinking is creativity. Creativity also depends on the degree to which thinking is formed, and the better a person's thinking is developed, the more creative thinking will be developed. However, creativity is not produced only by highly developed thinking, that is, a person with high intellectual potential may not always be able to think creatively. We can also see this in Joe Gilford's research. In addition to divergent thinking, Gilford combined flexibility, clarity of solution and other intellectual parameters in his creative structure. He also proved that there is an inextricable relationship between creativity and intelligence. However, Gilford found in his experiments that highly intelligent people do not always show creative behavior during test solving, and creative low intellectuals do not. Therefore, divergent thinking does not reflect all the features of the creative process.

According to E.P.Torrens, the concept of "creativity" covers the following: - putting forward a problem or scientific hypothesis; - hypothesis testing and modification; - identifying the problem based on the formation of decision results; - sensitivity to the conflict between knowledge and practical actions in finding a solution to a problem. Creative thinking can be clearly reflected in every social sphere. In general, creativity is the creation of new, original ideas, a non-standard form of thinking, finding successful solutions to given problems. Creative thinking is a revolutionary thinking, which represents a constructive character. Educational process is important in creative thinking. Creative thinking is an important skill for today's youth to acquire.

This skill is for young people who are rapidly changing today, who can actively use modern information communications, who require more results than simple literacy, i.e., initiative, in a word, qualified personnel with 21st century skills. At the time of increasing demand, it is important to adapt to this process and become a competitive staff. In forming and developing the creative thinking of young people, it is necessary to pay attention to the following aspects. Firstly, in the upbringing of a person, from childhood, he should feel that his opinion is important and that he has his own place in the community; Secondly, abandoning the dogmatic views formed in society today; Thirdly, to use more democratic

methods than autocratic methods in the management process; Fourthly, it is necessary to respect and support the ideas and views of creative thinking persons. After all, leaders always act as locomotives in society. Most leaders today are creative thinkers.

Creativity is the driving force behind the advancing fourth industrial civilization. If you look around, you will find incomparable and amazing examples of human creativity everywhere: electronic services, virtual reality, square watermelons, harvesting without soil... All these are products of human imagination and thinking. Books, music, buildings, airplanes, and even lamps, which seem commonplace to us today, were once dreams and imaginations, and were later created as a result of intelligence.

Patterns of creativity, beginning with the invention of the wheel, roam the universe today. Innovations create conveniences in our daily life, lighten our burdens, and make our distances closer. In this way, creativity has become an integral part of development. There is a great demand for creative thinking professionals in all fields. Every day, experts from companies producing world-famous software products and mobile phones are asked for a new idea. As the demand for creative thinking professionals is increasing in the labor market, it is an urgent task to form and develop unusual thinking skills of students in the educational process. Until now, many approaches and methods in the educational system are not focused on creative thinking, but on interpretation and analysis, that is, on understanding the given information and conveying it correctly, on the other hand, on summarizing several pieces of information and drawing a conclusion.

So how do you teach students to think creatively? What changes in thinking are necessary to create innovation? Imagination is more important than knowledge (is it?) In order to develop the qualities of creativity in a person, it is first necessary to know the content of this concept. Creativity is derived from the English word "create" and means to create. Creativity means a person's creative ability to create new things and solve problems. It is based on originality, practicality, unusualness and freedom. Also, creative thinking means comprehensive thinking about a specific issue, approaching the same point from different angles.

Creativity as a personality-developing category is an integral part of human thinking and spirituality, not in the multifaceted nature of knowledge possessed by a person, but in the pursuit of new ideas, reforming and changing established stereotypes, and in the process of solving life problems. manifests itself in making unexpected and unusual decisions. That is, creativity cannot be achieved by repeating the given knowledge, the main condition is the emergence of a new thought, a new idea in the process of creative thinking . For example, even if you memorized English words and memorized grammar rules, if you can't write an essay, it's all for naught. Therefore, imagination plays an important role in the process of creative thinking. This is exactly what Albert Einstein meant when he said that imagination is more important than knowledge . Often, unusual thoughts and solutions come to a person's mind unexpectedly. For this, first of all, it is necessary to put an end to the sameness and routine in the process of thinking.

We abandon molds. The human brain uses templates and stereotypes to "ease" and "facilitate" its work. Stereotypes are previously known and generally accepted ideas. Thinking based on them does not give us any new ideas. Social opinion, the forms and views presented in media products, which are the priority in the society, also play a leading role in the formation of patterns . Everyone agrees that a person should not be separated from the crowd. Moreover, it seems easier to " swim with the flow " than to think independently. When thinking through stereotypes, when the human mind is "inquired" about a certain topic, habitual information and judgments arise. For example, imagining a full table, non-advertising sodas, Christmas tree, etc., and seeing an old man with a cane in his hand and glasses in the image of a grandpa are patterns of thinking. Creative thinking people can imagine images that are different from the usual scenes, notice aspects that no one has seen, and create something new.

The most surprising thing is that the educational process teaches children to think in the same way. It can be seen that the famous inventors and discoverers did not get used to the uniformity of the educational process at school, did not fit into the molds. For example, Albert Einstein was expelled from school or

Dmitri Mendeleev got a "three" in chemistry.

Produced by Ken Robinson and has 5 million views on YouTube, *Is School Stifling Creativity?* This is also mentioned in the video. As a result of children writing along fixed lines, working through examples when completing assignments, information on how to understand a work in literature lessons, and good teachers evaluating good performers, children begin to think within patterns. As a result, many young people, when given an assignment, ask if there is a role model. This is the result of getting used to working on pre-existing models. In order to eliminate such a situation, it is appropriate to pay attention to the education of creative qualities in the educational process. For example, ask students, "If you were given 86,400 in one day, what would you spend it on?" unusual questions like This question develops the student's qualities such as ingenuity, knowledge, creativity, ability to look at the issue from different points of view, and reveal hidden aspects. This is because 86,400 represents the number of seconds in a day. The question tells the reader that every second is valuable and that it should not be wasted. If the student does not understand the essence of the question, then creative and heuristic qualities are considered low.

There are several forms of thinking based on patterns and stereotypes. For example, polar thinking means accepting everything in two ways - good or bad, seeing the world in black and white. In fact, good or bad does not exist, it is what our thoughts make it so. Each situation and process has positive and negative aspects. One-sided approach, unfounded conclusions are also manifestations of thinking based on stereotypes.

In order to create creativity, it is necessary to understand the function that limits creativity, to avoid stereotypes, to avoid stereotypes. Following an idol, brand and fashion is an independent thought process. Imitation in dress, behavior, career choice, even thinking can limit creative activity. Therefore, giving up the influence that is forcefully inculcated on the human mind through the mass media and advertising, as to why I chose this particular dress, why I am buying this drink, is a reason to make an independent decision, to get out of the media environment .

Thomas Edison said, "Creativity is an involuntary process." But every day, many professionals feel the need to find unusual solutions to problems. Can they make this involuntary process voluntary? There is no "magic wand" in nature that creates new ideas, but there are many techniques that can help any professional think creatively. For this, it is necessary to devote time to creative thinking, to realize the creative potential. George Bernard Shaw jokingly says: "Most people think twice or three times a year. "The reason I'm famous all over the world is because I think once or twice a week . " Therefore, it is important not to ignore new thoughts that come to mind, to create an opportunity to think.

Limit your creativity. When faced with a challenging problem, set the limits of your creativity. Ask yourself, "What is the simplest solution?" ask that. Then imagine an "incredible solution to the problem . " Between the simple and the surprising solution, you have a creative field. Now the new idea is not abstract, it has limits. It relieves the psychological pressure in the creative process.

"Six hats" method. In Edward de Bono's "Six-Colored Hat Method", a topic is chosen. Hats are worn alternately: white - carefully, without any emotion, all the facts are checked; black - defects are identified; yellow — current status is analyzed; green — some new ideas are added; red - an emotional attitude is expressed; blue — the work is terminated. For example , if the topic of improving the legislation on the education system is being considered, the existing legislation is studied, shortcomings and gaps are identified. Compatibility or contradiction of legal norms with the real situation is studied. Proposals for improving the quality of education are given, and the effect of their implementation is explained. The proposal is formalized in the form of a project.

Walt Disney's theory of creative thinking. Walt Disney is a person who created his own industry in the field of entertainment, known all over the world for his animated cartoons. When creating his world-famous characters, he uses the image of three phases of creativity - a dreamer, a realist, a critic. That is, in the role of a dreamer, he imagines without any limits, creates a fantasy. In the process, he said he heard

Bach's "Tocatta, fugue re minar". After creating images in his mind, he combines them with reality. How the character moves, how he speaks - he animates and realizes everything as a constructor. After that, the critic reviews the work of the dreamer and the realist. The critic acts as a "filter". Walt Disney's achievement was that he was able to combine the dreamer, the realist, the critic in one person. In normal thinkers, one of them takes precedence.

Do not be indifferent to coincidences. Many inventions were made by accident and emergency. That is, fate itself gives subtle hints to a person. It can be in the form of the apple that fell on Isaac Newton's head, the scientist Alexander Fleming, the scientist who discovered the antibiotic, left unwashed and moldy.

Connecting unrelated things. By combining the capabilities of a mobile phone and a computer, a tablet, a mobile station with an antenna installed on a truck, and a sail ship thanks to a cloth hung on a boat appeared. The son of J. Dunlop, a Scottish doctor, had difficulty riding a bicycle on a stone road. While watering his garden, Dunlop noticed its light springy bounce. As a result, he was the first to discover the tire.

Also important to understand the micro- and macro-signals of creativity, its aspects related to human physiology, that is, to know in what situations new ideas come to a person's mind.

In short, creative thinking is considered to be a process that has an important place in the life of society and is directly related to the thinking of an individual, and the formation of this skill in an individual, especially in young people, is one of the important elements of the country's development in the future.

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