

## FORMATION OF "CREATIVE THINKING" SKILLS IN 5-6-YEAR-OLD CHILDREN WITH THE HELP OF MIND MAPS

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### Abstract

**Annotation:** The article gives an idea of the importance of the formation of creative thinking in children aged 5-6 years. With the help of the "Fruits mind map", it is explained that the "mind map" is one of the effective ways to teach many languages, to formulate children's "imagination and creative thinking" abilities

**Key words:** creative, thinking, visual, memory, mind map, multilingual, multicolor, foreign, languages, concentrating, image.

### INTRODUCTION

5-6 year-old children are more prepared to develop 'creative thinking' skills. They can draw pictures, build houses, make cars, robots from Lego and other original things independently and they have abilities of fantasizing. L.S.A. Vigotsky says in the phrase-children are not the product of creativity, but the positive effect of this creative process on the child is more expensive.

According to D.B. Elcon's psychological age conception 5-6 year-old children's visual thinking is the beginning period of understanding thinking [1]. In them, an important role is played by figurative thinking, and in its development are moving objects and the plot of the surrounding nature. These can be attributed to the sentence "animals" "fruits" and "flowers". In accordance with age conception in children aged 5-6 years, a feeling of improvement in their activities appears and develops. This can be seen in them as a sign of the formation of the buds of "creative thinking". It should achieve further development.

In children of this age, memory develops well directly. The reason of this is they accept information with the emotional feelings. The fact that the impressions of youth are well preserved in memory is proof of this.

In accordance with the discovery of the American neurophysiologist Sperry Roger "involvement of the hemispheres of the brain in functional specialties", it is necessary to use

the methods of activating the right hemisphere of the brain for intuition, imagination and hence "creative thinking"[2].

Human's brain recycles the visual information sixty thousand times faster than verbal. At the same time, it is accepted easily and kept for a long time in children's memory. In other words, the information should be visualized for children to have a good perception of the data.

As the experiments shows man can keep 98 % of 2500 pictures seen in 10 seconds. After a year this point shows can decrease to 63 % only. Humankind can keep visual data 6-7 times better than verbal.

As the psychological experiments show knowing several foreign languages affects positively formation of "creative thinking" skills. Because multilinguals at the same time can think in the world specific to these languages and are spiritually ready to accept various solutions to the creative problem [4]. In addition to this, children at this age have high ability learning foreign languages. If it carries out in figurative methods the result will be better.

Using Mind maps to form "creative thinking" skills in 5-6 year-old children gives good results. The structure of the intelligent map is similar to the structure of the chain of neurons that are formed when the brain analyzes data. On account of Radiant thinking, the intelligence map makes thinking more creative and productive, resulting in the natural function of the brain, the efficient use of brain capabilities. It creates "complete thinking" by activating the left hemispheres of the brain, which are responsible for "logical thinking" and the right hemispheres, which are responsible for "creative thinking".

Mind map is the effective tool of teaching foreign languages. Rather than memorizing the linear teaching methods and the column of words, mind mapping and its analysis give a good result in the study of foreign languages.

Mind map is not only shows the full image of the problem and keeping the information in productive and visual style but also stimulates the following learning processes:

**Thinking** – Making mind maps evolves "creative thinking" and express the process of thinking in an unusual way. It helps to be born and harmonization of new ideas.

**Concentrating** – Making mind maps requires that attention be focused on a specific topic in order to find the most optimal solution to the problem. This teaches to concentrate.

**Communicativeness** – Mind maps rather than looking at secondary issues, they helped identify key areas of the problem.

In making mind maps following factors should be taken into account to attract children's attention and arousing their emotions:

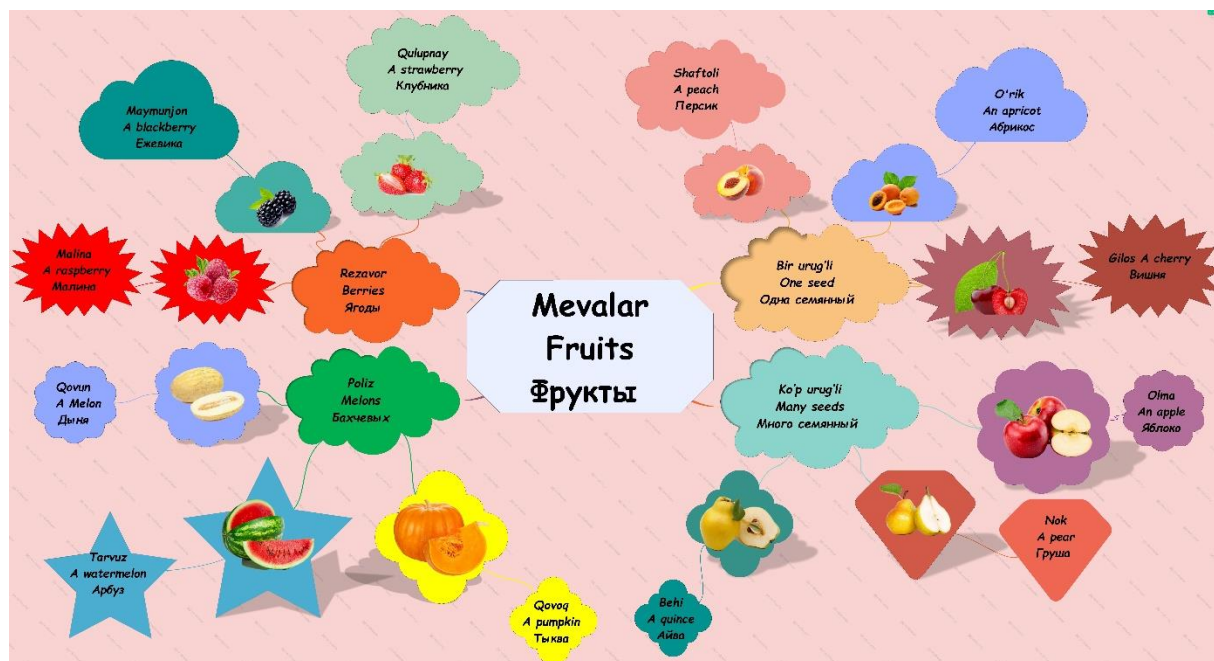
**Colour** - multicolor arouses emotion in children and helps to improve their memory and the formation of "creative thinking" skills.

**Image** - helps to convert verbal information into visual information.

**Word** - Words that are written on the branches of the mind map must express a certain purpose or idea. Therefore, they should also attract attention and motivate thinking.

Another advantage of making maps is to teach children to communicate with the computer. And this is important for the future life in which the "digital economy" will prevail.

Below we recommend to use a mind map "Fruits", which is used productively in different colors and helps to learn many (Uzbek, Russian, English) languages, in the formation of "creative thinking" skills in children 5-6 years old. Before that, a mind map "Zoo" was used [5]. They can be changed by teaching other foreign languages and using familiar fruits to children.



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