

PEDAGOGICAL SIGNIFICANCE OF IMPLEMENTING MNEMONIC
TECHNIQUES IN DEVELOPMENTAL CENTERS

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Abstract: This article highlights the pedagogical significance of implementing mnemonic techniques in the activities of developmental centers within the framework of the “Ilk Qadam” state curriculum in developing the cognitive abilities of preschool children. The study analyzes the possibilities of developing children’s memory, attention, analytical thinking, and creative thinking based on the integration of mnemonic methods with visual, auditory, and kinesthetic learning strategies, as well as the semio-semantic functional reconstruction of mnemonic squares and symbolic images. The article interprets mnemonic technology as a universal methodological tool in the conditions of a developmental educational environment and substantiates its role in activating children’s speech and cognitive activities.

Keywords: Ilk Qadam, developmental centers, mnemonic techniques, cognitive abilities, mnemonic squares, symbolic images, integrative education.

In the modern period, characterized by the sharp increase of digital information flow, the rational use of human memory capabilities and the formation of skills for systematically processing and storing information in long-term memory have become essential needs. Therefore, the scientific analysis of mnemonic technologies and the identification of mechanisms for their application in educational practice are of great importance in the development of pedagogical innovations.

Mnemonic techniques help educators conduct their pedagogical practice more effectively and creatively. This process requires a high level of methodological preparation, creativity, and a differentiated approach that takes into account the individual characteristics of each child.

The “Ilk Qadam” state curriculum includes modern pedagogical approaches aimed at the comprehensive development of children. Within the framework of the program, the implementation of mnemonic techniques in developmental centers contributes to the development of children’s cognitive abilities. The curriculum pays special attention to the developmental educational environment and the activities of centers in order to harmoniously develop children’s social-emotional, speech, cognitive, physical, and creative areas.

The quality organization of the educational process in developmental centers, the activation of children’s cognitive activity, and the development of their cognitive abilities through the use of mnemonic techniques are among the most actual methodological directions. The implementation of mnemonic methods in developmental centers is carried out through the integration of visual, auditory, and kinesthetic learning strategies, as well as through the semio-semantic functional reconstruction of mnemonic squares and symbolic images in the systematic acquisition of information. In this process, visual strategies activate figurative perception in children, auditory strategies develop listening and analyzing heard information, while kinesthetic strategies support cognitive activity through movement. These approaches coordinate the activity of all analyzers during the learning process and improve the quality of education.

As a result of applying mnemonic techniques in developmental centers, the following positive changes are observed in children:



**Positive Changes in Children as a Result of Applying Mnemonic Techniques in
Developmental Centers**

Areas	Positive Outcomes
Analytical thinking	The ability to identify logical relationships between objects and phenomena and understand cause-and-effect relationships is formed
Creative thinking	Skills of applying existing knowledge in new combinations, generating innovative ideas, and implementing them in practice are developed
Stability of attention and concentration	Children strengthen their ability to maintain goal-oriented attention, quickly memorize necessary information, and recall it
Memory processes	Integration between short-term and long-term memory is strengthened, which contributes to deeper knowledge acquisition

Although each developmental center covers a certain area of child development according to its content and direction, they function in an interconnected way based on the semio-semantic functional reconstruction of mnemonic squares and symbolic images in the systematic acquisition of information. Therefore, mnemonic techniques can be considered a universal methodological tool applicable in every center, that is, as perceptive dominants of the integrative rhythm of children's memory and speech abilities in mastering information.

The structured application of logical-rational associations in the semiotic coding and decoding of information through mnemonic techniques in developmental centers plays an important role in developing the cognitive abilities of children. With the help of mnemonic techniques, the learning process of children becomes easier and more interesting; they memorize information better and improve practical skills.

Scientific research shows that mnemonic strategies, particularly visual-associative methods, accelerate the transfer of short-term memory into long-term memory. This, in turn, leads to deeper acquisition of knowledge and quick and effective decision-making in problematic situations. In addition, mnemonic techniques make it possible to manage attention resources and reduce cognitive load, meaning they increase a person's ability to perform several tasks simultaneously.

Thus, mnemonics is not merely a memorization technique, but also serves as a tool for optimizing cognitive abilities. That is why mnemonic technologies are widely used in education, training, language learning, and even neurological rehabilitation.

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