

APPLICATION OF INNOVATIVE TECHNOLOGIES IN OVERCOMING SPEECH DISORDERS IN SENIOR PRESCHOOL AGE

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Abstract

The article presents the results of the use of innovative technologies in overcoming violations of the lexical and grammatical structure of speech in older preschool children with generalized speech impairment level III. The prerequisites for the use of innovative technologies in speech therapy work are revealed. The content of the speech therapist's work on the use of innovative technologies in overcoming violations of the lexical and grammatical structure of speech in older preschool children with Generalized speech impairment level III has been determined.

Keywords: senior preschool age, general speech underdevelopment, lexical and grammatical structure, innovative technologies, creative speech modeling, visual computer modeling, su-jok therapy, playing with sand.

Consistent, coherent speech is a semantically detailed statement (a series of logical unifying sentences) that allows people to communicate and understand each other. Consistent speech reflects all the features of underdevelopment of high mental functions, vocabulary, grammar, phonetics.

In the majority of children with preschool speech impairment, we can observe a low level of consistent speech development. Their extended semantic descriptions are characterized by clarity, consistency, and fragmentation of presentation. Sometimes it is very difficult for children to create a short descriptive story about an object, it is more difficult for them to create creative stories.

Children have difficulty communicating, composing stories from pictures, and making spontaneous statements.

Failure to form children's coherent speech negatively affects the development of all verbal thinking activities, limiting their communicative needs and cognitive abilities.

One of the main tasks of speech education of a preschool child is to form the harmony of speech, to develop the skills of meaningful and logical construction of words. It is therefore important to look for new specific methodological methods and tools for the formation of coherent speech.

In the context of the modern local education system, the requirements for the development of content and methods of correcting speech development disorders have increased significantly. Over the past few years, the Uzbek public has focused on innovative

educational technologies. In particular, the digitization of all areas in 2020, the transition to online teaching of the education system in the context of the COVID-2019 pandemic, has increased the importance of innovative technologies in this regard. The problem of developing the lexical and grammatical structure of speech in older preschool children with general speech defects of the III degree is put forward as an urgent problem of improving teaching methods.

The desire of all teachers, including speech therapists, to give an innovative character to their professional activities is associated with the transition of education to a position of person-centered pedagogy [1, p. 7]. Speech therapists use innovations in correction and pedagogical work to improve their individual abilities in children with speech defects, including striving to develop language skills, are not limited to the formation of "program" knowledge, skills and competencies.

Researchers understand innovative speech therapy technology as "a well-thought-out technology based on the introduction of modern, new methods and techniques of corrective work aimed at improving its quality" [1, p.9].

The main criterion for the "innovation" of technology is to increase the efficiency of the learning process through its application. Therefore, innovative in speech therapy practice can be said to be the technologies of speech therapy work that are most effective in performing speech formation shaping tasks.

It should be noted that innovative technologies in speech therapy practice are generally accepted, in addition to time-tested technologies (diagnostic technology, sound stage technology, breathing technology for various disorders of the pronunciation aspects of speech, etc.). Typically, these include new ways of interacting between teacher and child, which serve to create a comfortable emotional background, includes new stimuli that help activate and activate impaired mental functions.

An integral feature of innovative technology is unconventionalness. As soon as this or that technology strengthens its position in speech therapy practice, we can say that it loses both its unconventional and innovative nature.

Classification of innovative speech therapy technologies is carried out on different bases [6, p. 33]:

a) depending on the purpose of exposure:

- development technologies (emotional, sensorimotor education; mnemonics, training of thinking processes, etc.);
- psychocorrectional technologies (art therapy, fairy tale therapy, laughter therapy, color therapy, psycho-gymnastics, etc.);
- health technologies (hypoxitherapy, speech therapy and finger massage, water therapy, aromatherapy, breathing techniques, etc.);
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b) distinguished by means of exposure:

- information and communication technologies;
- distance learning technologies;

c) according to the level of innovation (traditional) the following are distinguished:

- pedagogical technologies using non-traditional methods of defectology (aromatherapy, chromotherapy, bibliotherapy, cryotherapy, etc.);
- mixed technologies - traditional speech therapy technologies using innovations.

The use of certain innovative speech therapy technologies in correcting the lexical and grammatical structure of speech in older preschool children with speech disorders should be fully justified by the defect structure. Improper speech activity leaves a mark on the formation of emotional, intellectual and affective-volitional areas in children with speech defects [2, p. 615–616].

In addition to general somatic weakness and slow development of loco motor functions, there is also a certain delay in the development of the motor area:

- Insufficient coordination of fingers, hands, poor motor skills (for example, when opening and pressing buttons, tying and untying straps);
- slowness, falling into a single state;
- children differ from their normally developing peers in precise repetition of motor function in terms of spatial-temporal parameters, disruption of the sequence of movement elements, abandonment of its components. For example, movements such as turning the ball from hand to hand, passing it a short distance, hitting the floor alternately, jumping on the right and left feet, rhythmic movements with music are difficult for them;
- lack of self-control in the performance of the task is also common.

Given these characteristics of children with grade III speech impairment, the use of innovative technologies for speech therapy correction should include functions such as attention, memory, cognitive activity, visual-figurative thinking, fine motor skills, and motor coordination.

To correct memory, attention, visual-figurative thinking should use the following:

- information technology (visualization of educational material, flexibility and ability to quickly create, ease of objective control of children's development and activities, expanding the plot of traditional play activities, visualization of acoustic components of speech , provides an extension of the range of nonverbal tasks) [5];
- mnemonics (a system of methods that facilitates memorization and increases the amount of memory by organizing additional associations) [4].

Body-oriented methods should be used to correct motor functions:

- bioenergoplasty - combining the movements of the articulatory apparatus with hand movements;

- speech therapy massage is a massage of the palm surfaces (with a hand, hardware, point, finger massage, stone, metal or glass colored ball, which helps to normalize muscle tone and thereby prepare the muscles for the complex movements required to articulate sounds) an active method of mechanical action that helps: massage with walnuts, chestnuts; massage with a hexagonal pencil; massage with beads; massage with herbal bags; probes, massage with probe replacement agents; massage with su-jok therapy devices;
- logarithmics - a system of musical-motor, speech-motor and musical-speech games and exercises for the purpose of speech therapy correction [7];
- cryotherapy is the use of ice games, which have beneficial properties of the dimensional effect of cold on the nerve endings of the fingers.

Art-therapeutic methods should be used to stabilize the emotional sphere: music therapy; isotherapy; fairy tale therapy; sand therapy.

Requirements for innovative speech therapy technologies:

- they should be able to correct the memory, attention, visual-figurative thinking of older preschool children with level III speech defects. For this purpose, computer visual modeling and creative speech modeling were chosen;
- they should be able to correct motor functions in older preschool children with grade III speech defects. For this purpose, you can choose su-jok therapy;
- they should be able to stabilize the emotional sphere of older preschool children with grade III speech defects. For this purpose, you can choose sand games.

These innovative technologies provide:

- rely on the preserved mental functions of children;
- use of three channels of perception (visual, auditory, tactile);
- creating a positive emotional background and enriching children's emotional experience.

Innovative technologies of the speech therapy process do not replace the traditional ones, but at the same time they give a positive result. Every child with a speech impediment creates the most favorable conditions for the development of not only speech, but all cognitive processes in general. The implementation of these technologies will help to achieve the greatest freedom of play and high creative activity; provides vitality, physical and mental health.

Thus, innovative methods of interaction in the activities of speech therapists are becoming a promising tool for correction and development of children with speech defects. These methods are one of the most effective means of correction and help to achieve maximum success in overcoming speech difficulties in preschool children. Against the background of various speech therapy aids, innovative methods optimize the process of correcting children's speech and help to heal the whole body.

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