

## THE ROLE AND IMPORTANCE OF INFORMATION TECHNOLOGIES IN THE FORMATION OF CHILDREN'S READINESS FOR WRITTEN SPEECH

Makhmudov Khurshid Shukhratovich

Teacher of the Department of Special Pedagogy

No'monova Dilnura

Aziza Nematova

Students of Speech Therapy

### ABSTRACT

Currently, it is considered to be the period of the highest level of development of new information technologies. Application of new information technologies in this field, regardless of the field, is becoming a requirement of today. It is necessary to directly include the education system among these areas and fill the main basis of reforms in the field of education with qualified specialists who can effectively use new information technologies. The training of highly qualified specialists is directly related to the strengthening of the material-technical and information technology base of educational institutions, the creation of high-quality educational literature, textbooks, electronic study guides and lecture texts, and the creation of electronic libraries.

### INTRODUCTION

Experiments show that distance education using modern information technologies allows to obtain high-quality knowledge in terms of the quality of the current study process. Processes such as distance learning based on new modern information technologies, creation of electronic textbooks, electronic methodical manuals and lecture texts are the basis for directly improving the quality of education and raising the level of knowledge of students. It is important to use modern programs and intranet technology in the creation of electronic lecture texts, educational methodical manuals, electronic textbooks, virtual examinations and other educational processes.

The use of information technology tools such as electronic textbooks, instructional manuals, slide presentations, not only in schools, colleges or universities, but also in the processes of preparing children for school and teaching literacy in pre-school educational institutions is a very good result. The reason is that the main activity of preschool children consists of play activities. If the topics studied in preparing them for literacy are organized with the help of computer technology, the children's interest in the topic will increase, they will pay more attention to the information given, and as a result of analyzing and synthesizing the information given through visual perception, they will retain it better in their memories. They will remember. For example, in preparing children whose speech is not fully developed for literacy, a speech therapist conducts classes with them on various topics. It provides information on each topic, for example, when talking about fruits, it provides information about a number of features such as their color, taste, where they grow, and what they are used for. Otherwise, when they pass the vowel "A", they say the words that start with this sound, show how it is written, and then determine the place of this letter in the word. If such tasks

are organized on the basis of computer technology tools and slide presentations in the course of educational activities, children will be able to learn the pictures, different colors, shapes, spatial arrangement, and written and printed forms of the things being taught on this topic. they can see with their own eyes, and as a result, it is possible not only to arouse their interest, but also to develop a number of cognitive processes, such as visual perception, spatial imagination. In addition, the use of the created electronic training plan in the educational process serves to increase the speech therapist's computer literacy; children's opportunities to absorb the necessary materials on the subject will expand, and they will have the opportunity to repeat it at a convenient time or place; it gives an opportunity to save the valuable time and energy of the training speech therapist and spend them on other types of activities.

It is known that the main goal of preschool education is to form a child's personality in a healthy and mature way, prepared for studying at school. In order to achieve this goal, it is necessary to introduce information and communication technologies to the educational process in preschool educational institutions, based on the fact that the current age is the information age. Today, the main tasks of educators of preschool educational institutions are to further develop children's talents and abilities, to develop their educational prospects. Accordingly, if the educator uses various pedagogical programs, electronic manuals, and pedagogical games in the training sessions, the barrier between the educator and the student will disappear, and the children's character will open up more widely. Children's observation and memory focus increase, because in the training there is no mandatory knowledge imparting, positive results are achieved by voluntary acceptance of knowledge. The use of pedagogical and information technologies in educational institutions is one of the urgent problems of the day [2].

Observations show that 80-90% of children are interested in playing computer games. This shows that it is possible to form young children's worldview and moral culture by showing them various games, activities, and colorful drawings depending on their interests. It is necessary to create all the conditions for the rapid development of the child's ability to acquire speech in the preschool educational organization [4].

The main requirements for the development of speech are taking into account the child's individual interests, live training, movement and testing, the use of original didactic materials, all these are considered the basis for the mental and physical development of children. Currently, computer technologies are used as a new pedagogical technology in the development of speech in all pre-school educational organizations. Computer technology is one of the effective tools for developing speech. Therefore, the use of computer technologies is being actively introduced in specialized pre-school education organizations. Based on this, many computer animation programs designed for preschool children have been developed. These programs develop the child's attention, memory, thought processes and speech. But some programs created without logic do not meet the requirements. The use of computer technology in the preschool educational organization is aimed not at teaching the child a computer, but at increasing his interest in the environment, and at forming an active creative activity in the child. The use of computer programs to correct the speech of a speech-impaired child is becoming more and more widespread not only abroad, but also in our country. Programs used

in games and training are adapted to the child's ability level, individual interest and age. Not all public computer programs can be used during speech therapy training with a child.

Computer programs that meet the needs of children with speech disabilities should be used. The disadvantage of traditional training in the development of speech is the repetition of the same lexical sound and monotonous actions, which quickly tire the child. By using computer presentation, graphics, animated images in his training, the speech therapist can enliven frontal training, increase the child's interest, and achieve the intended goal with a positive result.

Computer skills development programs increase the child's desire to do extra work, and as a result, the child's self-confidence increases. Also, in this process, the child gets rid of fear and anxiety, becomes more active in training.

The advantage of interactive electronic boards, which are one of the advanced information technologies, is that the dynamic change of the background color of the pictures, the speech of the animated characters attract the child's attention. This miraculous board is the pinnacle of modern technology development. They look like ordinary marker boards, and every text written on them quickly appears as a graphic, drawing, etc. on computer screens. Interactive whiteboards are a great tool for brainstorming. Develops the grammatical structure of speech and phonetic hearing in children, prevents disorders of written speech. According to the sanitary-epidemiological standard, it is necessary to spend 10-15 minutes 2-3 times a week for a 5-6-year-old preschool child using computer technology. The background in the programs should be non-distracting and non-fatiguing. Moderate use of special effects increases the child's interest, creates a positive emotional mood in the child [3].

In short, the use of computer technologies makes it possible to make training effective, attractive and modern. The national personnel training program also envisages the development of information provision of the educational process on the basis of modern information technologies, computerization and computer networks. Today, the use of computer technologies can be considered a new way of imparting knowledge that corresponds to the qualitatively new content of child education and development. This method allows the child to speak fluently, read with interest, acquire new knowledge, find sources of information and develop intellectual activity.

No branch of the national economy of our country can function without an efficient and moderately organized information infrastructure. Currently, national information resources serve as one of the factors that shape the economic and military potential of each country. Effective use of this resource ensures the security of the country and the successful formation of a democratic information society. In such a society, the speed of information exchange increases, the use of advanced information and communication technologies for collecting, storing, processing and using information expands.

## REFERENCES

1. Shukhratovich, Makhmudov Khurshid. "Importance of didactic games in speech development of mentally retarded children." *Asian Journal of Multidimensional Research* 11.11 (2022): 20-23.

2. Shuxratovich, Maxmudov Xurshid. "Socio-Psychological Of Children With Speech Impairment Adaptation Features." INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429 11.11 (2022): 243-248.
3. Махмудова, Мадинахон Махмудов Хуршид. "Нутқи тўлиқ ривожланмаган мактабгача ёшдаги болаларни ёзма нутққа тайёргарлигини шакллантириш муаммолари." Confrencea 4.04 (2023): 179-186.
4. Махмудова, Мадинахон Махмудов Хуршид. "Мактабгача тарбия ёшидаги болаларни ёзиш ва ўқиш кўникмаларини эгаллашга тайёрлаш." Confrencea 4.04 (2023): 187-192.
5. Shukhratovich, Makhmudov Khurshid, and Isodullayeva Iqboloy. "PHYSIOLOGICAL FOUNDATIONS OF SPEECH ACTIVITY." Open Access Repository 4.3 (2023): 765-771.
6. Shukhratovich, Makhmudov Khurshid, and Tahirova Mahliyo. "Ways To Increase The Vocabulary Of Mentally Retarded Children Of Preschool Age Based On Plot Role-Playing Games." International Journal of Early Childhood Special Education 15.2 (2023).
7. Shukhratovich, Makhmudov Khurshid. "IMPORTANT ASPECTS OF COLLABORATIVE ACTIVITIES IN THE PROCESS OF INCLUSIVE EDUCATION." (2023).
8. Shukhratovich, Makhmudov Khurshid, and Khomidova Shahribonu. "PEDAGOGICAL TASKS OF SPEECH THERAPIST AND PARENT COOPERATION IN ELIMINATING SPEECH DEFECTS." American Journal of Interdisciplinary Research and Development 16 (2023): 38-41.
9. Sobirkhonovna, Mahmudova Madinakhon. "Professional Training Of Future Speakers In The Period Of Independent Study." Archive of Conferences. Vol. 10. No. 1. 2020.
10. Махмудова, Мадинахон, and Babayeva Azizabonu. "Ruhiy Rivojlanishi Sustlashgan Bolalar Lug'atining Psixik Rivojlanish Bilan Bog'liqligi." Conference Zone. 2022.
11. Kodirova, Feruzakhon Usmanovna, S. Z. Matupaeva, and Feruza Rakhimovna Teshaboeva. "Methodical cluster-an innovative mechanism to increase the efficiency of general secondary and inclusive education." (2020).
12. Mahmudova, Madina Sobirkhonovna. "The Role Of Independent Education In The Formation Of Professional Competencies Of Prospective Speech Therapists." Scientific and Technical Journal of Namangan Institute of Engineering and Technology 2.10 (2020): 358-363.
13. Feruza, Teshabaeva, Mahmudova Madina, and Yuldasheva Dilbar. "The essence of inclusive education in developed countries." European Journal of Research and Reflection in Educational Sciences Vol 8.1 (2020).
14. Sobirkhonovna, Mahmudova Madinahon. "An Innovative Mechanisms to Increase the Effectiveness of Independent Education of Future Defectologists." International Journal on Integrated Education 3.11 (2020): 210-211.
15. Махмудова, Мадинахон, and Axmedova Vaziraxon. "Tayanch–Harakati A'zolari Falajlangan Bolalar Lug'atini Rivojlantirish Yo'llari." Conference Zone. 2022.
16. Махмудова, Мадинахон Махмудов Хуршид. "Мактабгача тарбия ёшидаги болаларни ёзиш ва ўқиш кўникмаларини эгаллашга тайёрлаш." Confrencea 4.04 (2023): 187-192.
17. Махмудова, Мадинахон. "Technologies for the development of professional competencies of students of Higher Education." INTERNATIONAL JOUR

18. Maxmudova, M., and O. Zikirova. "Speech therapist and family collaboration in overcoming severe speech deficits." *European Scholar Journal* 2.10 (2021): 72-73.
19. Sobirxonovna, Maxmudova Madinaxon. "The genealogy of thoughts of the manifestations of ancient antiquity in the study of the speech deficit of dıslaliya." *Confrencea* 3.03 (2023): 17-20.
20. Sobirkhanovna, Makhmudova Madinakhan, and Akhmedova Vazirakhan. "EFFECTIVE ORGANIZATION OF CORRECTIONAL-LOGOPEDIC WORK IN CHILDREN WITH CEREBRAL PALSY." *Open Access Repository* 4.3 (2023): 134-141.
21. Махмудова, Мадинахон Махмудов Хуршид. "Нутқи тўлиқ ривожланмаган мактабгача ёшдаги болаларни ёзма нутққа тайёргарлигини шакллантириш муаммолари." *Confrencea* 4.04 (2023): 179-186.
22. Sobirxonovna, Maxmudova Madinaxon. "GENEALOGY OF SCHOLARS AFTER THE 15TH CENTURY IN THE STUDY OF SPEECH DEFİCİT." *Confrencea* 3.03 (2023): 21-25.
23. Sobirkhonovna, Makhmudova Madinakhan, and Goyipova Nodira. "Theoretical aspects of the development of academic mobility of future speech therapists in dual education." *Asian Journal of Multidimensional Research* 11.12 (2022): 148-154.
24. Sobirkhonovna, Mahmudova Madina. "THE IMPORTANCE OF THE USE OF PROJECT TECHNOLOGY IN THE DEVELOPMENT OF PROFESSIONAL COMPETENCIES OF STUDENTS IN THE PROCESS OF INDEPENDENT LEARNING." *EURASIAN EDUCATION, SCIENCE AND INNOVATION* 29 (2020).
25. Sobirkhonovna, Mahmudova Madina. "DEVELOPMENT OF PROFESSIONAL COMPETENCIES OF FUTURE SPEECH THERAPISTS IN THE PROCESS OF STUDYING INDEPENDENTLY." *European Journal of Research and Reflection in Educational Sciences* 8.8 (2020): 155-158.
26. Sobirkhanovna, Makhmudova Madinakhan, and Vakhobova Munirakhan Sadirdinovna. "PECULIARITIES OF SPEECH OF CHILDREN WITH MOTOR ALALIA SPEECH DISORDER." *Open Access Repository* 4.3 (2023): 851-858.
27. Dildora, Madinahan Makhmudova Musayeva. "THEORETICAL SIGNIFICANCE OF THE DEVELOPMENT OF PROFESSIONAL COMPETENCE OF THE EDUCATOR OF A SPECIAL EDUCATIONAL INSTITUTION ON THE BASIS OF NATIONAL VALUES." *Confrencea* 4.04 (2023): 170-178.
28. Madinakhan, Makhmudova, and Abduvahobova Irodakhan. "PECULIARITIES IN THE DEVELOPMENT OF PRESCHOOL CHILDREN WITH MENTAL RETARDATION." (2023).