

THE ROLE AND IMPORTANCE OF INFORMATION TECHNOLOGIES IN THE DEVELOPMENT OF LOGICAL THINKING OF PRESCHOOL CHILDREN

Oripova Nodima Khalilovna
Head of the Department of Preschool Education,
Karshi State University, Karshi, Uzbekistan

Umurkulova Mastura Rakhmatullaevna
Master Student of Shahrissabz State
Pedagogical Institute, Shahrissabz, Uzbekistan

Abstract

This article examines the crucial role of information technology in enhancing the effectiveness of preschool education. It discusses the evolving demands placed on educators in the digital age and highlights the significant benefits of incorporating information and communication technologies (ICT) in early childhood learning. The article outlines the expected outcomes of utilizing these technologies, including improved engagement, individualized learning experiences, and enhanced educational resources, ultimately contributing to better developmental results for preschool-aged children.

Keywords: preschool education, upbringing, innovation, professional skills, advanced pedagogical technologies, information communication technologies, presentation, animation, music, video, cartoon.

Introduction

In the modernization of preschool education, the importance of information technologies is high, and through them, the quality and efficiency of this field of education increases. In particular, it is necessary to use information technologies to develop children's thinking and accelerate their mental activity, which will serve to fulfil the great task of educating people with mature and logical thinking for the development of our country in the future [1].

Materials and methods

One of the most urgent tasks is to use modern information technologies and introduce innovations in the field of education and the upbringing of the young generation. The importance of information technologies in the organization of the preschool education system based on modern requirements, the importance of information technologies in increasing the educational efficiency in making children healthy and mature in all aspects, and also the pedagogues of the preschool education organization of the modern information society were



discussed and it is highlighted that the foster children have set urgent tasks before their parents [2].

Therefore, information and communication technologies, a modern type of innovative technology, serve as the main tool for developing children's logical thinking today.

The expected results of the use of information and communication technologies in the preschool education system are evident in the following:

- improving the efficiency of quality preparation of children for school;
- ensuring demonstration and brilliance in educational and game activities;
- increase the emotional-aesthetic and artistic development of children;
- increase the efficiency of work of educators-pedagogues;
- forming elementary skills of working with information in children.

We know that the work of educators in MTTs provided with information technology is well established. They effectively use information technology in training, mornings, activities and teaching foreign languages to children. In this process, the mental development of children accelerates [3,4,5].

Several tasks are assigned to pedagogues of preschool education organizations operating in today's information age. In our opinion, these are:

- the pedagogue should take into account the age and psychological development of children when choosing educational programs;
- the pedagogue should pay attention to the duration of time when using information technologies in the process of educational game activity, that is, not to use computer equipment for a long time;
- the pedagogue should pay attention to the volume during the use of information technologies, that is, the voice should not be too loud;
- formation of children's skills in the correct use of computer technology;
- explaining to children the negative aspects of technical tools such as computers.
- to pay attention to the high educational level of information technologies.
- ensuring the compatibility of information technology materials with real life.

Therefore, it is important to study the specific features of the use of information technology in the development of the logical thinking of preschool children, and in the process of introducing these technologies, it is important to take into account the age of children and choose didactic materials related to the development of logical thinking.

It's no secret that today's children are more interested in media. The purposeful use of these interests, that is, the application of information technologies in the development of their logical thinking, further increases the effectiveness of educational and game activities carried out in preschool educational organizations [6,7].

Based on these requirements, it is possible to prepare various multimedia presentation materials designed for the training process of developing children's logical thinking. For example, children are shown the beauties of nature and their movements through the multimedia application prepared in the "Science and Nature Center" classes: flowers, trees, birds, fish, stones of different colours, clear sky, It can be blue lawns, waterfalls, oceans and seas, autumn leaves, white snow, animals. With the help of such a multimedia presentation, positive qualities



such as feeling the beauty of nature, perceiving its diversity, and enjoying nature are formed in children's thinking. At the same time, in this process, children's speech develops, and they learn the names of animals or flowers that are unfamiliar to them. Of course, the skill of the educator plays an important role in this process. The fact that he addresses children with questions within the framework of the topic contributes to the enrichment of children's thinking.

Computers can also be used effectively to develop children's logical thinking. For this, educational games are first placed on the computer depending on the age of the children and the type of training. Such games played through the computer are mainly focused on teaching children, repeating and reinforcing the learned material. They also provide a high level of visibility for the material being studied and cause children to become more interested in the activities. Computer educational games organized in preschool educational organizations include: "Build a House", "Find the Number", "Find the middle height", "Word Formation", "Let's Learn the Alphabet", "Fill the Box", "Environmental game" and others.

For example, if we pay attention to the educational aspects of the computer game "Building a House", with the help of this game, children's mathematical imagination will be formed and they will have an idea about geometric figures. That is, they study triangle, rectangle and square shapes. First, in order to effectively organize the training, its technological map is created and an animated, colour and sound presentation is prepared based on the PowerPoint program, and then it is entered into the computer memory. The presentation will consist of three parts:

1. Triangle;
2. Rectangle;
3. Square.

Conclusion

In conclusion, it should be noted that in today's globalization process, it is impossible to imagine every field without information technologies, so it is impossible to imagine the field of preschool education without information technologies. As we mentioned above, information technologies not only increase the effectiveness of preschool education but also increase the interest of children in learning.

References

1. Decision of the President of the Republic of Uzbekistan on measures to further improve the system of education for children with special educational needs. 14.10.2020.
2. Isroilova D.K. "Maktabgacha ta'limda axborot va innovatsion texnologiyalarining o'rni", Central Asian Academic Journal of Scientific Research. 2022. №5. 4 b.
3. Vinogradova N.A., Miklyaeva N.V., Tolstikova Yu.V. va hokazo. Maktabgacha ta'lim. Terminlar lug'ati, - M.: Ayris-press, 2005.- 400 b.
4. Novikova G.P. Zamonaviy maktabgacha ta'limni boshqarish shartlar: Maktabgacha ta'lim muassasasi rahbari uchun qo'llanma. - M.: Ventana-Graf, 2007, - 80 b.
5. To'raqulov X.A. Pedagogik tadqiqotlarda axborot tizimlari va texnologiyalari. Toshkent: Fan, 2006, 250 bet.
6. www.ziyonet.uz.
7. www.lex.uz.