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ORGANIZATION OF SPEECH THERAPY CORRECTIONAL WORK THROUGH MODERN TECHNOLOGIES

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Abstract: This article examines the organization of speech therapy correctional work through the effective use of modern information and communication technologies. The study analyzes the role of innovative technologies, multimedia resources, interactive programs, mobile applications, and digital platforms in the correction of speech and language disorders. The findings indicate that the integration of modern technologies into speech therapy practice enhances children's motivation, improves communication skills, and increases the effectiveness of corrective interventions. Furthermore, digital tools facilitate individualized instruction, continuous monitoring, and remote speech therapy services, thereby expanding educational opportunities for children with speech impairments. The research highlights the pedagogical and psychological benefits of technology-based speech therapy interventions and provides recommendations for their effective implementation in contemporary educational settings.

Keywords: speech therapy, correctional intervention, modern technologies, multimedia tools, interactive methods, speech development, innovative education, digital learning, communication skills, special pedagogy.

Introduction

The effective integration of modern information and communication technologies into educational practice has become one of the most significant priorities of contemporary education systems. In particular, the introduction of innovative technologies into special pedagogy and speech therapy contributes substantially to improving the quality and effectiveness of correctional and educational interventions. The use of interactive methods, multimedia resources, mobile applications, and digital platforms in speech therapy sessions creates engaging learning environments and enhances the overall effectiveness of the educational process.

The primary objective of speech therapy correctional work is to identify speech and language disorders, eliminate communication difficulties, and promote the development of effective communicative competence. Modern technologies have transformed this process by enabling the simultaneous activation of auditory, visual, and practical learning channels. Multimedia-based activities, in particular, attract children's attention, stimulate speech activity, and foster independent thinking skills.

In recent years, the demand for digital technologies within inclusive education and special educational support systems has increased considerably worldwide. Interactive whiteboards, speech recognition software, animated exercises, virtual learning platforms, and artificial intelligence-based applications provide opportunities to individualize speech therapy interventions according to the specific needs of each child. Such approaches contribute to more personalized and effective correctional practices.

Modern technologies serve not only as instructional tools but also as methodological resources that enable speech therapists to monitor progress, analyze outcomes, and organize distance-learning services. Remote speech therapy systems are especially beneficial for children living in remote areas or those with limited access to specialized support services.

Literature Review and Methodology

The organization of speech therapy correctional work through modern technologies has become one of the most relevant areas of research in special pedagogy and speech therapy. Recent studies have emphasized the effectiveness of information and communication technologies in the correction of speech and language disorders. Researchers argue that innovative technologies increase the interactivity of speech therapy sessions, strengthen children's motivation, and provide opportunities for individualized intervention.

L. S. Vygotsky, in his cultural-historical theory of development, emphasized the close relationship between children's psychological and speech development and their social environment. Modern technologies contribute to the creation of interactive learning environments that promote active participation and engagement. Similarly, R. E. Levina and T. B. Filicheva highlighted the importance of visual, auditory, and multimedia resources in improving pronunciation and phonemic awareness among children with speech disorders.

International research has also demonstrated the significance of multimedia resources, electronic platforms, and virtual applications in improving the quality of speech therapy services. In particular, digital technologies have expanded opportunities for remote speech therapy interventions, thereby increasing access to high-quality support for children with special educational needs.

Studies conducted by local scholars have likewise emphasized the advantages of implementing innovative pedagogical technologies in speech therapy practice. According to these researchers, modern technologies enhance children's speech activity, increase their interest in educational activities, and facilitate effective communication between speech therapists and learners.

Methodology

This study investigates the pedagogical and psychological aspects of organizing speech therapy correctional work through modern technologies. The research methodology is based on the following approaches:

1. Learner-Centered Approach

This approach emphasizes the consideration of each child's individual abilities, speech needs, and psychological characteristics when designing and implementing correctional interventions.

2. Activity-Based Approach

The development of speech and communication skills is facilitated through practical and interactive activities that actively engage learners in the educational process.

3. Innovative Technological Approach

This approach involves the use of multimedia resources, interactive software, audio-visual materials, and digital platforms during speech therapy sessions.

The following research methods were employed:

- Analysis of scientific and pedagogical literature;
- Observation;
- Interviews;
- Speech therapy diagnostics;
- Comparative analysis and synthesis.

The study examined the effectiveness of speech therapy sessions conducted through interactive presentations, animated exercises, mobile applications, and multimedia tools. Activities focused on improving pronunciation, phonemic awareness, vocabulary development, and coherent speech production.

Participants included speech therapists, parents, and children with speech impairments. The collected data were analyzed to determine the effectiveness of modern technologies in speech therapy correctional work.

Discussion

The findings demonstrate that speech therapy interventions organized through modern technologies are more effective than traditional methods. The use of multimedia resources, interactive programs, and digital platforms increased children's speech activity, enhanced their motivation, and enabled greater individualization of the correctional process.

The analysis revealed significant improvements in pronunciation, phonemic awareness, and coherent speech among children participating in technology-assisted interventions. Audio and video materials facilitated accurate and comprehensible articulation exercises. Animated tasks and voice-based applications generated emotional engagement and increased children's active participation in learning activities.

Modern technologies also enabled speech therapists to provide individualized support for each child. Specialized software programs facilitated the analysis of speech difficulties and the development of personalized corrective activities. This approach not only improved intervention outcomes but also increased the efficiency of speech therapy services.

Remote speech therapy systems demonstrated particularly positive results. Online platforms provided accessible educational opportunities for children residing in remote regions. Parents actively participated in the correctional process and were able to continue exercises at home, thereby ensuring continuity of intervention and strengthening educational outcomes.

However, several challenges were identified during the research. These included insufficient technological resources in some educational institutions, limitations in internet connectivity, and inadequate digital competencies among certain educators. Therefore, enhancing the information and communication technology skills of speech therapy professionals remains an important priority.

Overall, the results indicate that modern technologies represent a powerful pedagogical tool for improving the effectiveness of speech therapy correctional work. Their implementation contributes significantly to children's speech development, communicative competence, and social adaptation.

Conclusion

In conclusion, the organization of speech therapy correctional work through modern technologies represents one of the most important directions in contemporary special pedagogy and speech therapy. Innovative technologies enhance the effectiveness of corrective interventions while promoting children's speech activity, communication skills, and independent thinking abilities.

The findings confirm that multimedia resources, interactive software, mobile applications, and digital platforms facilitate the creation of engaging and effective speech therapy environments. Audio-visual materials and animated exercises significantly improve pronunciation, phonemic awareness, and coherent speech development. Furthermore, modern technologies support individualized instruction by enabling educators to address each child's unique speech and language needs.

The development of remote speech therapy services has expanded access to high-quality corrective support for children living in geographically distant areas. Active parental involvement

further enhances the effectiveness of these interventions. In addition, digital technologies provide valuable opportunities for monitoring progress, analyzing outcomes, and evaluating the effectiveness of correctional programs.

At the same time, the successful implementation of technology-based speech therapy requires the continuous development of educators' and speech therapists' digital competencies. Equipping educational institutions with modern technological resources should therefore remain a strategic priority for improving the quality of speech therapy services.

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