OVERCOMING SPEECH SOUND ARTICULATION DEFICIENCIES IN CHILDREN WITH DYSARTHRIA BASED ON GAME TECHNOLOGIES

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Abstract: *This article talks about eliminating the pronunciation of sounds in children with dysarthria based on game technologies.*

Key words: *Dysarthria, Game Technologies, nervous system, children, communication.*

INTRODUCTION

Dysarthria is a speech disorder characterized by the impairment of articulation, voice, and timbre qualities due to central or peripheral nervous system defects. In such children, along with articulation difficulties, speech motor skills, intonation, and rhythm may also be affected. Using game technologies to correct these deficiencies is one of the effective methods in contemporary pedagogical speech therapy practice.

Dysarthria and Its Impact on SpeechIn children with dysarthria:

1. There is a limitation in articulatory movements.
2. Sounds are pronounced incorrectly or unclearly.
3. There are problems in voice control (pitch, loudness, timbre).
4. Speech may slow down, or fluency may be disrupted.

All of these negatively affect the child's communication with society and their psychological state. Therefore, interactive and game-based approaches are of great importance in the process of correcting speech.

Game Technologies and Their RoleGame technologies are widely used in education and therapy to enhance motivation, increase interest, and encourage independent activities in children. Through game elements, the following results can be achieved:

- Development of the articulatory apparatus.
- Improvement of speech rhythm and intonation.
- Reinforcement of correct sound pronunciation.
- Enhancement of speech motor skills.

Game Technologies Used in Practice

1. Teaching articulation exercises through games:

- Engaging exercises that are interesting for children. For example, "snake" (moving the tongue out) or "bird" (stretching the lips and whistling).
- Utilizing mobile applications or interactive games.

2. Games for reinforcing speech sounds:

- Auditory tasks for distinguishing sounds (e.g., recognizing sounds and linking them to images).
- Games incorporating competitive elements like "Who is faster?"

3. Using computers and interactive devices:

● Special programs designed for speech therapy. For instance, games that help automate sound pronunciation.

● Creating an environment for sound articulation using VR (virtual reality) technologies.

4. Group and role-playing games:

● Collaborative tasks activate children's speech activities. For example, games like "Help the Friends" or "Travelers."Advantages of Game Technologies:

● Increases motivation and interest.

● Improves the child's psychological state.

● Makes lessons with the speech therapist entertaining and effective.

● Shows positive dynamics in the child's speech development.

ConclusionGame technologies are an effective method for addressing the issues of correct sound pronunciation in children with dysarthria. They not only make speech therapy engaging but also ensure the speech, motor, and psychological development of children. The widespread implementation of these methods yields significant results in the practice of pedagogical speech therapists.

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