

THE IMPORTANCE OF MODERN EDUCATION IN PRESCHOOL

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ABSTRACT

INTRODUCTION: Modern education today is gaining particular attention as one of the key factors in the development of society. In the context of information technologies, globalization processes, and rapid social changes, the education system requires constant renewal, the introduction of innovative methods, and development that takes into account the needs of students. Therefore, the relevance of modern education is linked not only to increasing scientific potential but also to forming personal and professional competencies, as well as raising a generation that is competitive and socially active in society. The distinct feature of modern education is that it incorporates interactive, project-based, creative, and choice-oriented approaches, rather than relying solely on traditional methods of knowledge delivery. At the same time, the significance of education is not limited to university or school levels but is also evident throughout life in the process of continuous learning and professional development.

RESEARCH OBJECTIVE: The purpose of this study is to examine the current relevance of modern education, analyze its impact on society and individual development, and determine the effectiveness of innovative approaches and interactive methods in the educational process.

MATERIALS AND METHODS: In this study, the observation method was used to determine the effectiveness of the modern educational process. In addition, the TRIZ method, gamification, the Reggio Emilia approach, and SMART methods were employed as primary tools for analyzing results and optimizing the learning process. These methods were used to assess the interactivity, creativity, and choice-oriented characteristics of education.

DISCUSSION AND RESULTS: During the research, the application of the TRIZ method, gamification, the Reggio Emilia approach, and SMART methods yielded significant results in the educational process. Learners' creative thinking abilities and problem-solving skills improved, and their interest and motivation for lessons increased. Through interactive and project-based activities, learners were able to apply their knowledge in practice, making the learning process more effective and engaging. Additionally, the SMART methods helped to conduct the educational process in a structured and planned manner by clearly defining goals and objectives. The results of the study indicate that integrating modern educational methods is an effective tool for enhancing the quality of education and increasing learner engagement

CONCLUSION: Modern education, as a crucial factor in societal development, requires the widespread implementation of innovative approaches and interactive methods. The results of the study indicate that the use of TRIZ, gamification, the Reggio Emilia approach, and SMART methods enhances the effectiveness of the learning process, develops learners' creative thinking, independent decision-making skills, and interest in studying. Therefore, applying such methods within the modern education system is of significant importance for improving the quality of education and cultivating competitive, active individuals.



KEYWORDS: Children, innovative technologies, modern methodologies, interactive games, competence

With the rapid development of modern society, various innovative technologies that facilitate human labor are being widely implemented. In particular, the intellectual potential, information processing speed, and cognitive abilities of today's generation of children growing up in a digital environment have changed significantly compared to previous years. Research indicates that modern children are characterized by high levels of cognitive activity, broad thinking, and rapid adaptability. Therefore, relying solely on traditional teaching methods is no longer sufficiently effective for them. On the contrary, the use of modern pedagogical technologies, interactive methods, and innovative approaches in the educational process is of great importance. Such approaches enhance children's independent thinking, creativity, and engagement in learning.

Learning through play supports children's emotional, cognitive, and socio-emotional development simultaneously, serving as a crucial foundation for their personal growth. By considering children's unique characteristics, the use of play-based technologies ensures active participation in the learning process and transforms learning into an engaging and effective experience. This, in turn, significantly contributes to improving the quality of education.

When implementing play-based technologies in preschool education, it is essential to pay attention to pedagogical and psychological requirements. These requirements must correspond to the child's age, consider their developmental stages, and meet their individual needs. A child's active engagement helps them acquire socio-historical experience, which forms the basis for various types of activities, including cognitive, visual, play-based, basic labor, and educational tasks, as well as social interactions. Through participation in these activities, children demonstrate initiative while simultaneously acquiring related knowledge, skills, and competencies.

Moreover, educators and teachers must continuously develop their professional competencies in accordance with contemporary demands and be able to effectively apply modern technologies. Only then can the educational process achieve high efficiency and create opportunities for shaping a well-developed individual.

In the future, the preschool education system should become more flexible, child-centered, technologically advanced, and inclusive. This will strengthen the foundation of a continuous education system, enhance the intellectual potential of society, and contribute to sustainable development. Educating the younger generation in a comprehensive and well-rounded manner is a crucial factor in societal progress.

The use of modern technologies in preschool education is of great importance for conducting learning activities with children. This approach enables the engagement of children's attention and makes the learning process more interesting, as interactive programs and animations support learning through play. Additionally, visual and audio tools present complex concepts in a simple and understandable way, which is particularly important for young children. Modern technologies foster children's creative thinking, enhance problem-solving skills, and allow flexible education tailored to individual developmental levels. Moreover, developing digital literacy at an early age lays the foundation for future learning processes. Thus, the use of



technologies in preschool education increases children's motivation and makes the learning process more effective.

In this study, the observation method was employed to determine the effectiveness of the modern educational process. Furthermore, the TRIZ method, gamification, the Reggio Emilia approach, and SMART methods were used as key tools for analyzing results and optimizing the learning process. These methods assessed the interactivity, creativity, and choice-oriented characteristics of education.

Specifically, the TRIZ method helped children develop problem-solving skills, independent thinking, and creative approaches. Gamification proved effective in increasing motivation and engagement in learning by introducing game elements into the educational process. TRIZ strengthens children's logical and analytical thinking, as they learn to systematically analyze problems, identify cause-and-effect relationships, and strive for optimal solutions. This further reinforces the role of TRIZ in preschool education.

The Reggio Emilia approach supported children's individual abilities, free thinking, and creative expression. This approach ensured that the child occupies a central position in the learning process and encouraged independent activity. The SMART methods contributed to educational effectiveness by setting clear, measurable, achievable, relevant, and time-bound goals.

For preschool children, measurable outcomes often manifest in behaviors, participation in games, and the ability to complete tasks. For example, the number of times a child successfully completes a specific game or the time taken to acquire a new skill can serve as a metric. Modern game-based technologies often include functions that automatically track a child's progress, significantly simplifying the assessment process.

The study results indicate that the comprehensive use of these modern methods significantly enhances the quality of the learning process. In particular, it fosters independent thinking, creativity, problem-solving skills, and intrinsic motivation to learn among children. Experiments conducted within this framework demonstrated high effectiveness in developing children's self-regulation, critical thinking, and collaborative skills. This strengthens both the theoretical and practical foundations for integrating modern game-based technologies into preschool education.

Effective Methods for Using Modern Educational Techniques

1. Teaching colors, numbers, and letters through interactive games.
2. Developing thinking skills by presenting problem-solving situations (e.g., "help the hero").
3. Conducting lessons with simple and clear goals (SMART).
4. Enhancing creativity through drawing, building, and storytelling activities.
5. Teaching collaboration through group games and tasks.

For effective use of modern technologies, educators must possess sufficient knowledge and skills. Technology serves only as a tool, and its effective use directly depends on the educator's competence. If an educator can properly use computers, multimedia tools, interactive programs,



and educational applications, the learning process becomes more engaging, understandable, and effective.

As modern technologies rapidly evolve, educators need to continuously improve their skills and learn new programs and tools. Participation in seminars, training sessions, and professional development courses allows them to enrich their knowledge and contribute to improving the quality of education. It is important that technology use remains balanced. While technologies are beneficial, using them appropriately and under supervision is crucial. Only when applied correctly do they produce positive outcomes for children's development.

CONCLUSION: The use of modern technologies enhances the effectiveness of education, increases children's interest in learning, develops independent thinking, and strengthens their preparation for future educational experiences.

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