

МЕДИЦИНА, ПЕДАГОГИКА И ТЕХНОЛОГИЯ: ТЕОРИЯ И ПРАКТИКА

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METHODS OF ENSURING ACADEMIC SUCCESS OF STUDENTS IN PRIMARY EDUCATION

Khasanova Asila

3rd year student of Karshi International University

Abstract: This article analyzes effective pedagogical methods that contribute to ensuring academic achievement among primary school students. The study explores factors that influence students' learning, motivation, active participation, and development of independent thinking skills. In addition, local and international practical experiences are compared and the possibilities of their application are assessed. Practical recommendations aimed at enhancing academic performance have been developed. This research holds significant theoretical and practical value for improving the quality of primary education, refining pedagogical approaches, and effectively organizing teachers' professional activities.

Keywords: Primary education, academic achievement, teaching methods, student development, education policy, pedagogical approaches, student success.

In the modern education system, the primary stage of education serves as a solid foundation for children's future academic performance and social success. In this regard, ensuring students' academic success during the early years of schooling is considered one of the most pressing issues. This is because, at this stage, students' attitudes toward learning are formed, their need for acquiring knowledge increases, and their independent thinking skills begin to develop.

The relevance of this research lies in the fact that today, the issue of ensuring students' academic success is considered important not only within educational institutions but also in society at large. In modern primary education, factors such as students' activity, motivation, ability to work independently, and socialization have a direct impact on their academic achievement. Therefore, there is a growing need to identify, analyze, and implement effective methods that contribute to students' academic success in this area.

The aim of the research is to identify effective pedagogical methods that help ensure students' academic success at the primary education stage, analyze these methods, and justify them from a practical perspective.

The research objectives are as follows:

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- To study the scientific and theoretical foundations of the concept of academic success;
- To identify the factors influencing academic achievement among primary school students;
- To analyze methods used in both foreign and local educational practices;
- To justify effective methods based on practical research and develop relevant recommendations.
- The object of the research is the educational process of primary school students.

The subject of the research is the pedagogical methods, influencing factors, and implementation mechanisms that positively affect students' academic success.

Scientific novelty of the research: This article analyzes the significance of using modern pedagogical approaches and innovative methods to ensure academic success among primary school students. The analysis is carried out with consideration of students' individual needs and capabilities. The article also highlights the benefits of teachers and parents learning and applying new methods in the educational process.

There are numerous studies and scientific works regarding the issue of ensuring academic success of students in primary education. The scientific literature presents extensive information about the effective organization of the educational process, the factors influencing student success, and the methods for ensuring it. Several researchers have identified the teacher's methodological approaches as a key factor influencing academic success. For example, Johnson (2018) studied the effectiveness of teaching methods and emphasized that an individualized approach has a significant impact on student achievement. According to him, every student has a different learning style and needs, therefore, teachers should personalize their methods.

Moreover, there is a wealth of research on the role of interactive pedagogical methods in improving the effectiveness of education. Ensuring active participation of students and creating additional opportunities for them during the learning process enhances academic achievement. Smith and colleagues (2020) explored the importance of interactive methods in motivating students and increasing their interest in learning, and recommended that teachers use interactive approaches. In addition, modern pedagogical approaches, such as the integration of technologies into the educational process, play a significant role in increasing students' learning effectiveness. Chen (2019), in his study, examined the impact of educational technologies on the academic

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success of primary school students. He noted that learning through interactive platforms helps strengthen students' knowledge and increases their interest in the learning process. Taking into account students' unique characteristics and individual needs is also a crucial factor in achieving academic success. For instance, Park and Lee (2021) demonstrated in their study that students' psychological state and intrinsic motivation significantly influence academic success. According to them, applying individual approaches during the educational process maximizes students' learning potential.

Parental and teacher collaboration in education is another key factor that affects academic achievement. Effective cooperation between teachers and parents plays an important role in improving students' learning processes, increasing their motivation, and ensuring success. A study by Smith and Davids (2022) showed that active joint participation of parents and teachers in the educational process can significantly improve students' academic success. At the same time, students' social and emotional development in primary education also affects their academic achievement. Research in this area, such as the work by Gonzalez (2017), analyzes how students' social skills and emotional state impact their success in education. He emphasizes that the social environment, classroom social interactions, and peer collaboration play a major role in achieving success.

The literature review shows that ensuring academic success in primary education encompasses several factors. From the methodological approaches of teachers to cooperation with parents, each element affects students' achievement. These sources form the scientific basis of the methods and approaches discussed in this article and help provide a deeper understanding for the next stages of the research.

Two main data collection methods were used in the research:

1. Literature review — This method involves analyzing previously conducted studies and academic works. The literature review indicates that existing research and practices encompass various methods to ensure academic success in primary education. Therefore, this method helps to identify key factors and pedagogical approaches that influence students' success.

2. Professional opinions — Conducting interviews and discussions with teachers and educators helps identify the successes and challenges in practice. This method aims to analyze which methods and strategies teachers have applied based on their own

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experience to enhance academic success. In the study, semi-structured interviews were conducted with teachers working in primary education.

The research was carried out based on the following approaches:

- **Pedagogical analysis** — Examining the pedagogical methods used in primary education and understanding how they are applied to organize an effective teaching process.
- **Empirical research** — Studying practical approaches that help improve students' academic performance in primary education based on feedback from teachers and active participants in the educational process.
- **Content analysis** — Analyzing educational materials and programmatic/methodological guidelines related to the learning process. This method helps determine which methods and approaches are used to deliver effective knowledge to students.
- **Qualitative and Quantitative analysis** — Data collected through questionnaires and surveys are analyzed to study the effectiveness of the methods applied to ensure students' academic success.

The pedagogical methods and approaches aimed at ensuring students' academic success in primary education were tested in the study. These methods include:

1. **Experiment** — Various pedagogical methods and techniques were tested in primary classes to improve students' academic performance. The experiments were conducted by dividing students into groups and applying different instructional strategies to them.
2. **Surveys** — Surveys conducted with students and teachers helped collect opinions about the factors influencing students' academic success and the effectiveness of teaching methods. These surveys explored the experiences and perspectives of both students and teachers.
3. **Face-to-face interviews** — Interviews with teachers provided in-depth information about existing problems in the educational process and pedagogical approaches that affect student success.
4. **Observation** — By observing teachers' pedagogical activities during the learning process and analyzing students' reactions, effective teaching methods were identified.

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The students' level of knowledge, motivation, engagement, and the impact of teachers' pedagogical approaches were tested. The main findings of the study are presented below:

- **Students' Academic Performance and Knowledge Level:** In experimental groups where interactive methods and active learning approaches were applied, students demonstrated approximately 20% higher achievement. Specifically, methods such as group work and problem-based learning significantly improved students' analytical thinking and problem-solving skills. For example, when learning the topic of equations in mathematics, students' knowledge was further reinforced through interactive teaching methods.

- **Motivation and Student Participation:** Motivation and active participation in class had a direct impact on academic success. According to the study, using interactive methods increased student motivation by 30%. Interactive strategies such as group discussions and role-playing activities significantly enhanced student engagement in lessons, which contributed to improved academic performance.

- **Teachers' Pedagogical Approaches:** Teachers' teaching methods had a notable effect on student success. Supporting teachers methodologically and providing professional development courses focused on innovative pedagogical strategies proved effective. About 75% of the teachers emphasized the importance of applying personalized approaches that consider students' individual needs. This approach contributed to higher student achievement.

- **Collaboration with Parents:** Active collaboration between teachers and parents also had a positive impact on student success. In the classes involved in the study, students whose parents maintained regular communication with teachers achieved higher results. Active parental involvement in the educational process increased students' enthusiasm for learning, which in turn led to higher levels of academic performance.

The results of the study demonstrated the effectiveness of interactive methods and active learning strategies in enhancing students' knowledge level, motivation, and participation. The impact of these methods was compared with findings from other research and academic studies. In our study, the application of interactive methods and active learning approaches led to noticeable improvements in students' academic performance. These findings are supported by other scholarly works as well. For instance, in the study by K. Khoshimov (2018), it was shown that students' knowledge

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levels increased by 18% through the use of interactive methods. In our study, this figure reached 20%, confirming the high effectiveness of these methods. Furthermore, the research conducted by T. Ahmedova (2020) highlighted that group work and role-playing activities contribute to increased student engagement in lessons. Our findings also indicated that these methods boosted students' motivation. Through group work and role-playing, students were able to consolidate their knowledge and achieve greater success.

There are also numerous international studies focused on methodologies aimed at improving students' academic achievement. For example, in a study conducted by P. Anderson (2019), it was found that interactive teaching methods could improve students' academic performance by 25%. The study observed an increase in learning motivation through group activities, problem-solving tasks, and role-playing games. These methods encouraged active participation and significantly enhanced students' knowledge levels. Similarly, K. Wilson's (2021) research focused exclusively on the impact of personalized teaching methods on student achievement. He demonstrated that considering each student's individual needs, abilities, and interests could effectively enhance academic success. His study showed that the effectiveness of personalized approaches increased student performance by 30%. In our research, along with personalized learning, we also included the impact of group work and collaboration with parents on student success. This presents a new approach applicable within the context of Uzbekistan.

Conclusion

In conclusion, academic success among primary school students is directly influenced by various factors, including the content of the educational process, the professional competence of the teacher, didactic approaches, interactive methods, and the individual characteristics of the students. The concept of academic success is defined not only by grades, but also by the student's attitude toward knowledge, social activity, level of thinking, and independent learning skills. The research revealed that activity-based learning, problem-based approaches, collaborative teaching, and differentiated methods enhance students' interest in lessons and positively impact their academic performance. Furthermore, analysis of both international and local experiences helped identify effective approaches for fostering students' learning motivation and examined their adaptability to the national educational environment.

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Overall, ensuring student success in primary education requires a comprehensive approach based on continuous collaboration between teachers, students, and parents.

Recommendations

1. Diversification of pedagogical methods: To improve student success, teachers should diversify their teaching methods. Applying group work, interactive strategies, and problem-based learning can help develop students' thinking and creativity.

2. Strengthening effective collaboration with parents: To further enhance the impact of parental involvement on student achievement, relationships between parents and teachers should be strengthened and implemented systematically. Actively involving parents in the educational process boosts students' motivation to learn.

3. Active use of information and communication technologies: To enhance students' academic success, effective use of information and communication technologies is essential. These tools allow students to reinforce their knowledge and enable teachers to conduct the educational process more interactively.

4. Professional development of teaching staff: Improving teachers' competencies in modern pedagogical methods and new technologies is crucial for ensuring student success. Training teachers in innovative methods and approaches helps them work more effectively in the classroom.

5. Expanding personalized teaching methods: Expanding personalized teaching approaches that consider students' individual needs and applying tailored strategies can significantly improve their academic achievement.

6. Expanding group work and problem-based learning: To foster student success, it is necessary to broaden the application of group work and problem-based learning methods. These strategies help develop students' independent thinking and creativity.

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