



PERSONALIZED LEARNING MATERIALS: DEVELOPING MATERIALS FOR DIFFERENTIAL LEARNING IN GROUPS OF DIFFERENT LEVELS

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Abstract: The article analyzes the importance and methods of developing personalized educational materials in the process of differential education for groups of different levels. Special methodological approaches are proposed for the effective organization of the educational process, taking into account the individual characteristics, knowledge levels and interests of students. This article provides practical recommendations for educators and educational institutions on increasing the level of student learning through a personalized approach. Also, the directions of adapting educational materials and improving the pedagogical skills of teachers using innovative technologies are considered.

Keywords: Differential education, personalized educational materials, innovative technologies, individual characteristics of students, pedagogical approach, educational effectiveness, level of knowledge, customized education.

Introduction: Today, the education system is increasingly paying attention to organizing educational processes taking into account the individual needs and abilities of students. Personalizing the educational process and introducing a differentiated approach are considered one of the main principles of modern pedagogy. This approach not only increases the effectiveness of education, but also allows developing the individual characteristics of each student. Therefore, adapting educational materials for groups of different levels and organizing personalized education is an urgent issue today.

Students of different levels may encounter difficulties in mastering the same educational materials. While someone masters the topic faster and more deeply, another student may need additional explanations and practical exercises to understand the topic. In this case, a differentiated approach - that is, an educational process that takes into account the individual characteristics of students, their level of knowledge and the speed of mastering it - becomes important. This approach requires not only the development of materials that are appropriate for the abilities of students, but also a high level of skill and creativity from teachers.

The process of developing personalized educational materials is not just a matter of simplifying or complicating existing textbooks, but also creating new educational resources taking into account the needs and interests of students. This process plays an important role in increasing students' motivation to learn and developing their interest in education. At the same time, the development of modern information technologies and interactive tools allows us to significantly simplify and increase the efficiency of this process.

This article is devoted to studying the theoretical and practical aspects of developing personalized educational materials for students of different levels using the principles of differentiated education. The article considers the difficulties that educators face in the process of developing personalized educational materials, methods for overcoming these difficulties, and the role of innovative technologies. The article also provides practical recommendations for improving the effectiveness of the educational process.

Main part: The development of personalized educational materials in the organization of differentiated

education for groups of different levels includes the following stages.

Before creating personalized materials, it is important to determine the level of knowledge, learning style and interests of each student. For this, various methods can be used, including diagnostic tests, observations and interviews. This stage is the foundation for adapting the materials.

It is necessary to simplify or complicate educational materials, taking into account the needs of students. For example, for students at the initial level, more visual materials and interactive tools are used, while for students at the advanced level, more difficult theoretical topics and independent work tasks are developed.

Modern information technologies play an important role in the development of personalized educational materials. For example, it is possible to create and distribute interactive materials through online platforms and mobile applications. Such tools greatly help in providing an individual approach to students.

To increase the effectiveness of the educational process, the developed materials should be constantly evaluated and updated based on the opinions of students. This process allows teachers to increase the effectiveness of materials and improve them.

Creating personalized materials requires a lot of time and resources. To solve this problem, it is recommended to use ready-made interactive platforms and templates. The lack of sufficient knowledge and experience of teachers in using modern technologies creates difficulties in developing personalized materials. For this, it is necessary to organize special trainings and seminars.

Personalized materials must be of high quality and meet the needs of students. To control this process, it is important to introduce an evaluation system with the participation of experts.

This main part covered the theoretical and practical foundations, advantages, and challenges of developing personalized materials in the educational process. This approach is an important tool for improving the quality of education and promoting the development of each student.

Result: The article analyzes the process of developing personalized learning materials and its importance in the educational process. First of all, the need for a differentiated approach to the formation of groups of different levels is based. It is emphasized that the process of creating materials adapted to the abilities, level of knowledge and personal needs of students should be carried out in several stages. These stages are interrelated and include the following elements:

1. Dividing students into groups: small groups of different levels are formed based on the assessment of the level of knowledge.
2. Creating personalized materials: customized learning materials are developed for each group, taking into account knowledge, qualifications and skills.
3. Experimentation and practical application: the developed materials are tested in the educational process and their effectiveness is evaluated.

The results of the research conducted in the article showed that materials developed through a personalized approach significantly increase students' interest in the lesson, increase the speed of knowledge acquisition to a high level, and develop independent learning skills.

Personalized learning materials are an important tool in meeting the needs of students at different levels. Research results show that materials developed using the differentiated learning methodology allow for a more effective organization of the educational process. The main advantages of this approach are as follows: Taking into account the needs of students at an individual level, it is possible to form knowledge and skills that are appropriate for them. As a result, the quality of education improves and the level of knowledge acquisition increases.

Personalized materials increase students' interest in the lesson, as they are involved in completing tasks that are appropriate and interesting for their level of knowledge. This forms their positive attitude towards learning.

Materials specially designed for groups at different levels increase student activity in the lesson. This, in turn, allows for the formation of an interactive environment and the use of collaborative methods in the teaching process.

Using personalized materials, teachers can optimize the processes of lesson planning and monitoring the level of student acquisition. This allows them to use a more individualized approach.

Research shows that materials adapted to differentiated learning develop independent thinking and self-development skills in students. Through personalized tasks, they strive to deepen their knowledge.

As a result, the use of personalized learning materials has been confirmed as an effective tool for improving the quality of teaching. This methodological approach helps to increase educational effectiveness by providing flexible learning for students at different levels.

Conclusion: Differential education methodology plays an important role in the formation of groups of different levels in the educational process and the development of educational materials adapted to them. As noted in this article, personalized educational materials not only take into account the abilities and needs of students, but also develop in them the skills of independent thinking and activity.

By taking into account the level of knowledge, interests and speed of mastery of students when developing materials, the effectiveness of the educational process can be increased. At the same time, this approach increases the motivation of students and increases their interest in learning.

In conclusion, the development of materials for differential education for groups of different levels is of strategic importance in the development of a modern education system. This not only helps to effectively organize the educational process, but also creates a solid foundation for the implementation of person-centered education.

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