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DEVELOPING TEACHERS' TESTOLOGICAL CULTURE THROUGH AN INNOVATIVE APPROACH

Umarova Nasiba

Abstract

In the context of rapid development of information technologies and digitalization of education, the development of a teacher's testological culture is gaining particular importance. Testological culture includes a set of knowledge, skills, and competencies necessary for the scientifically grounded design, implementation, and analysis of tests in the educational process. This article examines the significance of an innovative approach as a key tool in the formation and improvement of this culture. Special attention is given to the integration of digital platforms, adaptive testing tools, and analytical systems that ensure objectivity and validity in Methodological recommendations for improving teachers' assessment. competencies in the field of testology are presented. The content may be of interest to educators, pedagogical university staff, and academic researchers.

Keywords

Testology, testological culture, innovative technologies, digitalization, teacher, knowledge assessment, adaptive testing, pedagogical competence.

Main Text

Introduction

Modern education is undergoing an active phase of transformation, where digital technologies, analytical tools, and new forms of interaction between participants in the educational process come to the fore. In this context, the teacher's testological

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culture becomes a vital component of their professional competence. The teacher is no longer just a user of tests as a control tool, but also a developer, analyst, and methodologist in the field of student achievement assessment.

The Essence of Testological Culture

Testological culture should be understood as a system of professional knowledge, skills, and attitudes of a teacher aimed at the competent development, implementation, and analysis of testing methods. This concept includes:

- knowledge of the theoretical foundations of testing (validity, reliability, objectivity);
- the ability to formulate tasks of varying complexity;
- the use of statistical methods for test result analysis;
- ethical and psycho-pedagogical principles of assessment.

A well-developed testological culture contributes to fair assessment, formation of student motivation, and an overall increase in education quality.

The Innovative Approach as a Foundation for Development

An innovative approach implies the introduction of new ideas, methods, and technologies into the professional activities of teachers. In the context of testological culture, innovation can manifest in the following forms:

- the use of digital platforms (Google Forms, Moodle, Edmodo, Quizizz);
- the implementation of adaptive testing;
- the use of artificial intelligence for analysis and interpretation of results;

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- the design of interactive tasks with visual and audio elements;
- formative assessment as part of digital learning.

These innovations allow teachers to develop more flexible, objective, and individualized assessment tools that are better suited to the characteristics of each student.

Teacher Training and Professional Development

The development of testological culture is impossible without systematic teacher training. The key conditions are:

- 1. **Professional development** qualification courses with a focus on testology and digital pedagogical diagnostics;
- 2. **Methodological support** provision of instructional materials, task banks, and access to professional communities;
- 3. **Self-development** teacher motivation to study new approaches, analyze their own activities, and participate in seminars and academic conferences;
- 4. **ICT integration** training in working with modern testing services and software.

Challenges and Prospects

Despite the clear advantages of the innovative approach, several issues hinder its widespread adoption, including:

- insufficient digital literacy among teachers;
- lack of motivation to master new technologies;

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- shortage of methodological materials in the native language;
- technical limitations within educational institutions.

Overcoming these issues requires targeted governmental and institutional policies aimed at education digitalization, teacher training, and support for their innovative initiatives.

Conclusion

Thus, the development of a teacher's testological culture through an innovative approach is a pressing necessity in modern education. The integration of new technologies, adaptive methods, and digital assessment tools allows for a more objective, transparent, and effective learning process. A systematic approach to teacher preparation in this area lays the foundation for sustainable improvement in the quality of education and enhancement of professional competence.

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