

**IMPROVING THE METHODOLOGICAL SUPPORT FOR  
DIRECTING STUDENTS TO PEDAGOGICAL AND INNOVATIVE  
ACTIVITIES**

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**Abstract:** This article discusses the issues of improving the methodological support for guiding students to pedagogical and innovative activities. It analyzes the theoretical and practical foundations of the development of independent, free, critical, analytical and effective thinking. Within the framework of the concept of person-centered education, the importance of forming students as active subjects, developing their creativity, problem-solving and decision-making skills is revealed. The effectiveness of using modern technology and multimedia tools in the educational process is also substantiated. The components of complex educational and methodological support and ways to improve the quality of education through their mutual integration are indicated.

**Keywords:** pedagogical innovation, independent thinking, critical thinking, analytical thinking, effective thinking, person-centered education, creativity, multimedia tools, technological integration, educational and methodological support, adaptive education, educational effectiveness.

**УЛУЧШЕНИЕ МЕТОДОЛОГИЧЕСКОГО ОБЕСПЕЧЕНИЯ  
НАПРАВЛЕНИЯ СТУДЕНТОВ НА ПЕДАГОГИЧЕСКУЮ И  
ИННОВАЦИОННУЮ ДЕЯТЕЛЬНОСТЬ**

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**Аннотация:** В статье рассматриваются вопросы улучшения методического обеспечения направления студентов на педагогическую и инновационную деятельность. Анализируются теоретические и практические основы развития самостоятельного, свободного, критического, аналитического и эффективного мышления. В рамках концепции личностно-ориентированного образования раскрывается важность формирования студентов как активных субъектов, развития их творческих способностей, навыков решения проблем и принятия решений. Обосновывается эффективность использования современных технологий и мультимедийных средств в образовательном процессе. Указываются компоненты

комплексного учебно-методического обеспечения и пути повышения качества образования посредством их взаимной интеграции.

**Ключевые слова:** педагогические инновации, независимое мышление, критическое мышление, аналитическое мышление, эффективное мышление, личностно-ориентированное образование, креативность, мультимедийные инструменты, интеграция технологий, образовательно-методическая поддержка, адаптивное образование, эффективность образования.

### **Introduction**

The modern education system requires new approaches in the context of rapidly changing needs of society and global competition. In particular, the orientation of students to pedagogical and innovative activities, the development of their independent thinking and problem-solving skills are one of the urgent issues. Today, the educational process should be aimed not only at imparting knowledge, but also at the comprehensive development of the individual. The formation of students as active subjects based on the concept of person-centered education, the development of their free, critical and analytical thinking are of great importance. At the same time, the integration of modern information and communication technologies and multimedia tools into the educational process is creating new opportunities. This process requires the improvement of methodological support, the development of effective teaching methods.

### **Results and Discussions**

Independent thinking refers to students working independently and solving problems independently. Independent thinking can be related to creativity and open-mindedness. Critical thinking develops skepticism and the ability to ask questions, which makes a person more intelligent. Analytical thinking increases the ability to solve problems, makes someone methodical. Productive thinking can lead to innovation and flexibility. The role of the educator is also important here. "The development of the student as a subject is determined by his activity, the development of independent, free, critical, analytical and productive thinking"<sup>1</sup>. Developing the learner as an active subject of learning is deeply rooted in their involvement in activities that foster independent, free, critical, analytical, and productive thinking. This process is consistent with student-centered pedagogical theories (e.g., constructivism, sociocultural theory) and emphasizes the transformative role of active participation in shaping intellectual and personal growth.

### **Types of thinking in person-centered education:**

<sup>1</sup> Катасова Лариса Григорьевна. Новые подходы к формированию и развитию трудового потенциала специалистов сестринского дела. Дисс... канд. мед. наук. -Самара, 2021.- 145.с.

Free Thinking		Critical Thinking		Analytical Thinking	Productive Thinking	
Creativity	Open-mindedness	Skepticism	Asking questions	Problem	Solving Innovation	Flexibility

Mental and physical activity (e.g., problem solving, collaborative projects, creative expression) stimulates cognitive and emotional development, increases curiosity, resilience, and self-efficacy. Students learn to trust their own judgment, develop leadership and decision-making skills. Encourages creativity and open-mindedness, allowing students to explore innovative ideas. Develops reasoning and skepticism, helping students evaluate information ethically and logically.

When students engage in purposeful activities that require a variety of cognitive skills, they become well-rounded individuals who are able to navigate complex realities. Such an approach not only shapes their intellectual abilities, but also shapes the ethical, creative, and resilient aspects of their personalities, preparing them for lifelong learning and civic engagement.

The integration of technology and multimedia tools into education expands the opportunities for the development of independent, critical, and creative thinking. These tools act as catalysts for active learning by enabling immersive, interactive, and reflective experiences. “Very effective tools include computers, cinemas, video recorders, various devices that provide information about the action being performed, and others”<sup>2</sup>.

Immersive historical reenactments (e.g., visiting Ancient Rome through VR) deepen contextual understanding. GIS mapping tools should be used to analyze environmental data and suggest solutions. Tools such as VR or simulations allow students to “construct” knowledge through experiential learning. Online collaboration tools (e.g., Padlet, Slack) are compatible with learning through networks and digital literacy. Technical tools activate higher-level skills.

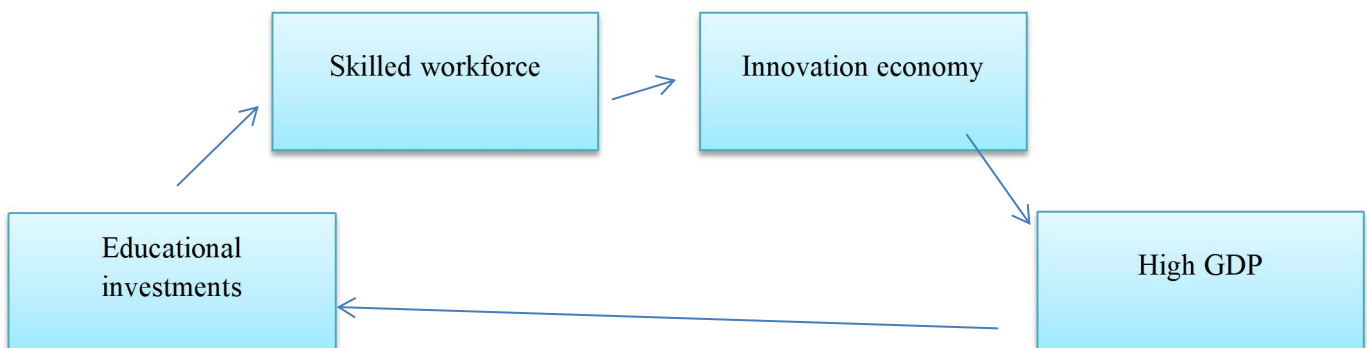
When strategically integrated, technology and multimedia tools transform passive learners into active creative and critical thinkers. By combining these tools with pedagogies that emphasize autonomy, reflection, and creativity, teachers can develop resilient, innovative individuals equipped to thrive in complex, evolving environments.

Integrated teaching and learning support represents a complex system for organizing and managing professional development. It combines pedagogical

<sup>2</sup> Гарцуева, Оксана Александровна. Оптимизация подготовки медицинских кадров в системе высшего профессионального образования по направлению «Сестринское дело». Дисс... канд. мед. наук. -Махачкала, 2024.- 115.с.

theory, teaching design, and systematic organization to create a holistic model that aligns learning goals, content, methods, and assessment. “A comprehensive educational and methodological support is a didactic tool for managing the training of specialists, a complex information model of a pedagogical system that establishes a structure and reflects its elements in a certain way”<sup>3</sup>. Determines how goals, content, methods, and outcomes are interconnected (e.g., using systems theory). Adapts to learner diversity (e.g., differentiated instruction) and evolving industry demands (e.g., changing skills based on artificial intelligence). Predicts learning trajectories through data modeling (e.g., predictive analytics in adaptive learning systems).

### **The economic impact of education**



Balances uniformity (e.g., accreditation requirements) with individualized learning paths (e.g., optional modules, micro-credit information). All components should align with common goals. Adaptive learning algorithms personalize content delivery and predict learner needs.

### **Conclusion**

In conclusion, improving methodological support is an important factor in directing students to pedagogical and innovative activities. The development of independent, free, critical, analytical and effective thinking ensures the intellectual and personal development of students. A person-centered educational approach, the integration of modern technologies and multimedia tools increase the effectiveness of the educational process. Comprehensive educational and methodological support, on the other hand, serves to achieve high-quality results by harmonizing all components of education. As a result, the opportunity to train innovative, flexible and competitive specialists with modern knowledge and skills expands.

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