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ENRICHING STUDENTS' CREATIVE IMAGINATION THROUGH INNOVATIVE EDUCATIONAL TECHNOLOGIES

Boboqulov Kaxramon
Associate Professor, Department of Music Education, JSPU
Ummatov Iqbolbek Ikromjon ugli
2nd Year Master's Student, Music Education and Arts

Abstract: This article examines the role and importance of innovative educational technologies in developing students' creative imagination. Interactive methods, information and communication technologies used in the modern educational process, and pedagogical approaches that develop creative thinking are theoretically analyzed.

Keywords: innovative technologies, creative imagination, educational process, interactive methods, creative thinking, pedagogical technologies.

Annotatsiya. Ushbu maqolada innovatsion ta'lim texnologiyalarining o'quvchilarning ijodiy tasavvurini rivojlantirishdagi o'rni va ahamiyati tadqiq etilgan. Zamonaviy ta'lim jarayonida qo'llaniladigan interaktiv metodlar, axborot-kommunikatsiya texnologiyalari hamda ijodiy fikrlashni rivojlantiruvchi pedagogik yondashuvlar nazariy jihatdan tahlil qilingan.

Kalit so'zlar: innovatsion texnologiyalar, ijodiy tasavvur, ta'lim jarayoni, interaktiv metodlar, ijodiy fikrlash, pedagogik texnologiyalar.

Аннотация. В данной статье рассматривается роль и значение инновационных образовательных технологий в развитии творческого воображения учащихся. Теоретически анализируются интерактивные методы, информационно-коммуникационные технологии, используемые в современном образовательном процессе, и педагогические подходы, развивающие творческое мышление.

Ключевые слова: инновационные технологии, творческое воображение, образовательный процесс, интерактивные методы, творческое мышление, педагогические технологии.

INTRODUCTION

The rapid development of modern society places new demands on the education system. Today, the primary task of educational institutions is not only to impart knowledge but to nurture individuals who think creatively, can make independent decisions, and possess the ability to put forward new ideas. Therefore, the issue of enriching students' creative imagination has become one of the pressing problems in pedagogy. Creative imagination is an essential component of personality's intellectual activity, encompassing the ability to create new images, ideas, and solutions [1]. Innovative educational technologies are recognized as effective means of developing this ability. The relevance of this research lies in the fact that traditional teaching methods often fail to fully unlock students' creative potential. In today's education system, developing students' creative imagination through the implementation of innovative technologies holds significant importance.

METHODOLOGY AND LITERATURE REVIEW

The research employed methods of theoretical analysis, comparative analysis, and systemic approach. During the study of scientific literature, scholarly works by national and foreign researchers on innovative educational technologies and the development of creative imagination were analyzed. L.S. Vygotsky defined creative imagination as the ability to process previous experience and create new images [2]. According to the scholar, creative imagination develops from early childhood stages and can be purposefully formed during the educational process. Vygotsky's theory suggests that creative activity requires a rich reserve of experience and knowledge, and the educational process serves precisely this function of building that reserve. Additionally, A.N. Leontiev's activity theory emphasizes the importance of practical activity in developing creative imagination [3]. Leontiev analyzed the structure of activity and substantiated that the creative process occurs through the unity of motivation, goals, and means.

The concept of innovative educational technologies broadly encompasses all pedagogical tools and methods that introduce novelty into the educational process. G.K. Selevko defines pedagogical technologies as scientifically grounded, systematically organized educational processes aimed at specific results [4]. According to the scholar, innovative technologies, unlike traditional education, transform students into active subjects and take into account their individual characteristics. Selevko's classification identifies problem-based learning, project-based learning, cooperative learning, and computer technologies as holding special places among innovative technologies.

Among Uzbek scholars, N.A. Muslimov and colleagues have researched innovative pedagogical technologies as effective means of improving educational quality and developing students' creative abilities [5]. The scholars analyzed the specific features of implementing innovative technologies in the national education system and substantiated the necessity of applying them in harmony with national values and traditions. Furthermore, U. Nishonaliev developed methodological foundations for using information technologies in the educational process [6]. The scholar proved that digital technologies help increase student motivation and facilitate effective learning material acquisition.

Among foreign researchers, K. Robinson advanced the concept of creative education, emphasizing the necessity for fundamental transformation of the modern education system toward supporting creativity [7]. According to Robinson, traditional education systems primarily focus on developing logical and analytical thinking, while creative and divergent thinking remains overlooked. H. Gardner's theory of multiple intelligences substantiates that each individual possesses unique intellectual potential, and the educational process must account for this diversity [8]. Gardner's theory scientifically confirms that innovative educational technologies should be based on individual approaches.

RESULTS AND DISCUSSION

Based on the literature analysis, several important aspects of innovative educational technologies in enriching students' creative imagination can be identified. First, innovative technologies ensure students' active participation in the educational process. While in traditional education students primarily play passive listener roles, innovative approaches transform them into active subjects. This situation develops students' abilities to think independently, analyze, and develop new ideas. Interactive methods, problem situations, and project assignments encourage students toward creative exploration and expand their imaginative capacity. Through active participation, students not only acquire knowledge but also master skills in applying it practically and adapting to new situations.

Second, information and communication technologies provide students access to extensive information fields. Through multimedia tools, virtual laboratories, and electronic educational resources, students familiarize themselves with various types of information and develop skills in

analyzing and synthesizing them. This helps accumulate the rich experience reserve necessary for creative imagination. As Vygotsky emphasized, creative imagination is based on combining existing experience elements in new ways, and technologies dramatically increase the diversity of these elements. Modern students gain access to the world's accumulated knowledge treasury through the Internet, electronic libraries, and educational platforms, which significantly broadens their creative horizons.

Third, innovative technologies enable individual approach implementation. Each student possesses unique abilities, interests, and learning pace. Adaptive educational systems, differentiated assignments, and personalized learning trajectories help maximize students' creative potential while accounting for their individual characteristics. According to Gardner's theory, different teaching approaches are effective for students with different intelligence types, and innovative technologies provide this flexibility. For example, students with visual intelligence learn better through graphics and animations, while students with kinesthetic intelligence learn more effectively through virtual simulations and interactive exercises.

Fourth, innovative technologies create opportunities for collaboration and cooperative learning. Group projects, online discussions, and collective creative work develop students' communicative competencies and enrich creative imagination through diverse idea exchange. In collective creative activity, each participant proposes their own ideas and draws inspiration from others' ideas. This synergy produces results exceeding individual capabilities. Modern cloud technologies and collaboration platforms enable students to work together regardless of geographic distance, creating opportunities for global-scale experience exchange.

However, several problems exist in implementing innovative technologies. Factors such as insufficient material and technical base, low innovative competence among teaching staff, and lack of methodological support hinder effective innovation application. Moreover, excessive technology use may negatively impact students' social skills and lead to digital dependency. Therefore, a balanced approach is necessary in implementing innovative technologies, where technologies should be applied as means rather than ends.

CONCLUSION

The research theoretically substantiated the significant importance of innovative educational technologies in enriching students' creative imagination. Innovative technologies make substantial contributions to developing creative potential through ensuring students' active participation, creating rich information environments, implementing individual approaches, expanding collaboration opportunities, and increasing motivation. Analysis of national and foreign scholars' scientific works demonstrates that innovative technologies are becoming an integral component of modern education, and their pedagogical potential is being comprehensively studied.

The following recommendations were developed for educational practice: first, it is necessary to enhance pedagogical staff qualifications and create methodological support systems when implementing innovative technologies; second, a balanced approach must be ensured in applying technologies, harmonizing traditional and innovative methods; third, it is advisable to develop differentiated educational strategies accounting for students' individual characteristics. Future research directions include empirically investigating innovative technologies' impact on creative imagination and developing adapted methodologies for the national education system.

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