European Journal of Research Development and Sustainability (EJRDS)
Available Online at: https://www.scholarzest.com
Vol. 5 No 07 July 2024
ISSN: 2660-5570

SCIENTIFIC THEORETICAL SIGNIFICANCE OF INNOVATION AND INTEGRATED EDUCATIONAL TECHNOLOGIES IN PRIMARY CLASS TECHNOLOGY LESSONS.

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Article history:
Received: 6th May 2023
Accepted: 1st June 2023

Abstract:
The essence of this article is the interdisciplinary integration of technology classes, some requirements and conditions for the implementation of integrated education in elementary grades are highlighted, and the scientific theoretical significance of the use of innovative and integrated educational technologies in elementary grade technology classes. is described in detail.

Keywords: integration, innovation, interdisciplinary integration, educational efficiency, primary education, integrated lessons

ENTER. As a result of the scientific and technical progress in the world, the emergence of new branches in the sciences and the rapid development of interdisciplinary integration lead to an increase in the requirements for information, in particular, knowledge, skills and qualifications in the process of training specialists in the higher education system. In such conditions, there are problems of introducing innovative and integrated technologies in the process of training future teachers, strictly following the principles of interdisciplinary communication in information transfer. As a result, it is necessary to improve the innovative and integrated technologies of the training process of future elementary school teachers in higher educational institutions. On a global scale, research is being conducted aimed at forming ideas about the content of training future teachers, the laws of the existence and development of the real world as a social and natural whole, the main connections between its elements and the nature of relations. In particular, the specific characteristics of the problem of developing innovative thinking, the problems of innovation and integration in the process of organizing education, and the results of research on theoretical issues of integration are important. At the same time, enriching the knowledge, skills and qualifications of future primary school teachers with innovative and integrative technologies of organizing the educational process, including information about the laws of integration processes, is becoming an urgent task. . In our country, special attention is being paid to the issues of improving the pedagogical training system, increasing the quality of education in general education schools, stratification, variable curricula, and wide implementation of the principles of preparing students for life in the teaching of subjects. "Implementation of changing curricula and programs for educational directions and specialties in the field of pedagogy..." tasks are defined, directing the mental, intellectual and physical forces of the student to a certain goal, theoretical knowledge of practical activities science-based proposals and recommendations on improving the effective mechanisms of interdisciplinary integration based on innovative approaches aimed at the formation of theoretical knowledge, practical knowledge and skills based on the development of knowledge, design, communicative-speech and organizational knowledge and skills requires development. PF-60 of the President of the Republic of Uzbekistan dated January 28, 2022 "On the Development Strategy of New Uzbekistan for 2022-2026", dated October 8, 2019 "Republic of Uzbekistan No. PF-5847, dated July 6, 2022, "On approval of the concept of development of the higher education system until 2030" "Approval of the innovative development strategy of the Republic of Uzbekistan for 2022-2026" Uzbekistan Resolution of the President of the Republic of June 21, 2022 No. PQ-289 "On measures to increase the quality of pedagogical education and further develop the activities of higher educational institutions that train pedagogues". Decree No. PF-60 of June 5, 2018 "On additional measures to improve the quality of education in higher education institutions and ensure their active participation in comprehensive reforms implemented in the country" No. PQ-3775, Decisions No. PQ-289 of June 21, 2022 "On measures to improve the quality of pedagogical education and further develop the activities of higher educational institutions that train pedagogues" and in this field serves to implement the tasks specified in other relevant normative legal documents.

The theoretical foundations of the use of innovative and integrated educational technologies" are disclosed. It has also been proven that the special features of using innovative and integrated educational technologies, pedagogical

conditions, and their use in primary classes are of particular importance in the training of future teachers. In our time, innovative pedagogy is known as knowledge within general pedagogy, but every day it attracts the attention of world experts and is a rapidly developing knowledge system. A team of scientists and teachers who recognize the educational importance of traditional pedagogy, research the desire to implement the use of innovative and integrated educational technologies, are making strong efforts in this field. The main essence of pedagogical creativity depends on the purpose and nature of pedagogical activity. Pedagogical activity is the process of solving a number of pedagogical problems that are subject to the common goal of forming a person's personality, worldview, faith, mind, and character. The creative activity of the teacher is manifested in the search for educational methods and the ability to find solutions to these problems. The source of pedagogical creativity is pedagogical experience. Pedagogical experience is full of problematic situations. Advanced pedagogical experience means a teacher's creative approach to his task, searching for and using new and effective methods and tools in teaching and educating students. Currently, innovative pedagogy is a very important issue. Its main characteristic is objectivity, persistence, and consistency. The only objective requirement is the level of knowledge about the intellectual development and upbringing of a person. Today, the term "innovation" is widely used. The word "innovation" means "new, innovation, internal structure change" in English. Innovation is an important part of theory and practice, that is, it is a series of actions of social factors aimed at increasing the socio-cultural quality of the object. News, as well as the formation of new ideas, is based on initiative and innovation, and is aimed at improving the content of education. In general, this has a positive effect on the development of the structure and order of learning. Therefore, innovation is a production technology or a specific field of activity based on the use of technological processes or new forms and methods of solving problems, and its final result is determined by success. As a result of the analysis of the literature on the formation of the use of innovative and integrated technologies for elementary school students, teachers and psychologists emphasize that theoretically there are opportunities for comprehensive development of students in the educational process. In their opinion, it is appropriate to study the problems of education, development and formation in harmony and as a whole. News usually creates a series of problems, while simultaneously solving existing ones. This leads to a gradual renewal of the pedagogical process. The concept of innovation implementation, in our opinion, is a theory aimed at implementing the innovation, experience process. Novelty is an idea for one person, it doesn't matter whether the idea is objectively new or old, we define it by the time of creation of the novelty or the time of first use. Every future teacher, regardless of his specialty and activity, should have basic knowledge, professional skills and certain experience. Also, in order to gain knowledge, skills and experience, the future specialist in his field, if problems or questions related to this field arise, solve them based on his own perspective and creative activity, in particular, o can raise his research and experience to a new level. Because there is a high demand for high-level training and morals of students in higher educational institutions. A teacher should be able to identify new pedagogical methods in the field of social sciences and use them effectively. Innovative activity requires the teacher to have mental and physical strength and, on this basis, theoretical knowledge, psychological and communicative speech, and organizational skills. Information technology, together with other modern pedagogical technologies, is a tool that significantly accelerates the transfer of knowledge and ensures faster adaptation of students to social changes. Enrichment of modern pedagogical technologies with information technologies not only changes and improves existing teaching methods and technologies, but also computers, tablets, software and hardware, video and telecommunications, special equipment, as well as various data processing forms news related to the use of systems. The laws and features of the implementation of pedagogical integration in the selection of goals and tasks require the logical content of the integration, which is carried out to ensure the unity of ideas, to strengthen knowledge on the basis of a single teaching methodology and tools. In the science of pedagogy, the concept of integration is an important scientific term, it is a generalization, conclusion and methodological tool, because it creates algorithms of universal harmony between the content of processes and events. Along with the effective development of students' knowledge, their knowledge, activity, interests, and intellectual potential increase in the context of interdisciplinarity during the educational process. Integration of disciplines in the educational process, that is, interdisciplinary communication, ensures the effective development of students' knowledge, as well as their cognitive abilities, activities, interests, and intelligence. The possibility of interdisciplinary communication in educational lessons prepares students to analyze facts, to understand the nature of cause and effect in the study of events and processes, to apply previously acquired knowledge in new situations, and also increases the integration of subjects in elementary school. The article "Pedagogical conditions, content, forms and methods of using innovative and integrated technologies in primary education" reflects the content of using pedagogical innovations and integrated technologies in primary classes. Determination of pedagogical conditions for the use of innovative and integrated technologies, first of all, requires the activity of students in the educational process. O‘quvchilarning faolligiga erishish uchun boshlang‘ich sinf o‘qituvchilari o‘quv jarayonini o‘quvchilarning intellektual rivojlanishi bilan o‘zaro bog‘liqligini markazlashtirish uchun har bir o‘quvchiga alohida e'tibor berishi lozim. Ona tili va o‘qish savodxonligi, matematika, rus tili, chizmachilik, tabiatshunoslik va musiqa kabi fanlararo aloqalarning o‘zaro ta’sirini o‘z ichiga olgan integratsion darslarda, shuni ta’kidlash mumkinki, pedagogik nuqtayi nazardan ushbu o‘quv fanlari o‘rtasidagi uzviy bog‘liqlik mavjud. Bu bog‘liqlik esa kichik maktab o‘quvchilarida mantiqiy fikrlashni shakllantirishda bevosita namoyon bo‘ladi. Ayniqsa, boshlang‘ich sinflarda intellektual moyilliklarni aniqlash, iqtidorli shaxslarning namoyon bo‘lishi uchun qiziqishlar, iroda, e’tibor, fikr va tadqiqotlar paydo bo‘ladi. Keyinchalik, innovatsion va integratsion ta’lim texnologiyalaridan foydalanish jarayonida boshlang‘ich sinf o‘quvchilar iijodiy tafakkurining rivojlanishi kuchayadi. Integratsion dars natijalari talabalarga kelajak haqidagi orzularini, shaxsiyatini shakllantirish va kasb tanlashda aniq tasavvur qilish imkonini beradi. Chunki, boshlang‘ich ta’lim jarayonida

talabalar boshqalar bilan o‘zaro munosabatlarning yangi turiga kirishadilar. 1–4-sinf o‘quvchilari bilan olib boriladigan mashg‘ulotlarda innovatsion va integratsion ta’lim texnologiyalarini qo‘llash ularda barqarorlikni oshirish, diqqatni jamlash va ixtiyoriy xotiraning yuqori darajasini shakllantirishga yordam beradi. Matematik qo‘shimchalar, bo‘linishlar, mantiqiy to‘g‘ri so‘zlardan foydalanish bilan tushuntirish, rangli hamda turli ranglarda bo‘yalgan narsalar o‘quvchilar darslarning turli bosqichlarida topshiriqlarni bajarayotganda o‘quv materiallarini tushunishning samarali usullari hisoblanadi. Natijada, talabalar ma’naviy qadriyatlarga ega bo‘ladilar, axloqiy tuyg‘ularini rivojlantiradilar, g‘alaba qozonish uchun imkoniyatlar paydo bo‘ladi hamda izlanishlar orqali qiziqarli darslar jarayonida turli xil o‘quv vazifalarini bajaradi. Ushbu davrda ular o‘zlarining yutuqlari xatti-harakatlariga qarab qobiliyatlari va shaxsiy fazilatlarini rivojlantirishga intilishadi. Dars jarayonida uning muayyan bosqichlarida muvaffaqiyatga erishish, o‘rganishga intilish, intellektual rivojlanish va o‘z kuchiga ishonishni anglatadi.

CONCLUSION: In order to achieve student activity, primary school teachers should pay special attention to each student in order to focus the educational process on the interrelationship of students' intellectual development. In integrated lessons that include the interaction of interdisciplinary relations such as mother tongue and reading literacy, mathematics, Russian language, drawing, science and music, it can be noted that from the pedagogical point of view, these subjects there is an inextricable connection between This connection is directly manifested in the formation of logical thinking in junior high school students. Especially in the elementary grades, interests, will, attention, thoughts and research appear for the identification of intellectual inclinations, the manifestation of talented individuals. Later, in the process of using innovative and integrated educational technologies, the development of creative thinking of elementary school students will increase. The results of the integrated course allow students to have a clear vision of their future dreams, personality formation and career choice. Because in the process of primary education, students enter a new type of interaction with others. The use of innovative and integrated educational technologies in classes with students of grades 1-4 helps to increase their stability, concentration and form a high level of voluntary memory. Mathematical additions, divisions, explanations using logical correct words, colorful and colored objects are effective ways for students to understand the learning materials while completing the tasks at different stages of the lessons. As a result, students acquire moral values, develop their moral sense, have opportunities to win, and perform various educational tasks in the course of interesting lessons through research. During this period, they strive to develop their abilities and personal qualities based on their achievement behaviors. It means achieving success in certain stages of the lesson, striving for learning, intellectual development and believing in one's own strength.

SUMMARY. The integrated lesson has the following advantages: - more favorable conditions are created for the development of various intellectual skills of students; - students get a more integrated picture of the perception of the world, surrounding reality; - the teaching periods of individual subjects will be shortened; - the main components of educational activity, that is, the desire and ability to learn are formed; - the ability to study the interdependence of materials on different topics as a whole is developed; - development of mental activity is carried out; - a wide opportunity is created to develop students' speech and broaden their worldview; - strengthens the desire to learn and enriches positive moral qualities; - a holistic view of the environment, world and people is formed; - an opportunity to fully demonstrate the diversity of the world, involving scientific knowledge, literature, painting, music, etc.

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