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## PEDAGOGICAL-DIDACTIC APPROACH TO EDUCATION SCIENCE IN 5-6 GRADES OF GENERAL SECONDARY SCHOOLS

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**Ibrat Atakav Rajabboyevich**

Independent Researcher Tashkent University Of Applied Sciences, Uzbekistan

### ABSTRACT

This article discusses the introduction of a multi-variant phase of education, the orientation of the younger generation to the profession, and the provision of education and training as they relate to the pedagogical-didactic approach to the teaching of educational science in the fifth and sixth grades of general secondary schools. targeted at researching international experiences including making use of the most cutting-edge pedagogical tools, building the best systems, and opening a wide door to initiative and creativity in education.

### KEYWORDS

Science and technology, education, new technological development, socio-economic, mental and cultural programs.

### INTRODUCTION

The development of science and technology, the training of members of society who can successfully operate in the conditions of new technological development, the orientation of the young generation to the profession, and the introduction of a multi-variant stage of education, in education it is

appropriate to study foreign experiences such as using the most advanced pedagogical methods and tools, opening a wide path to initiative and creativity in education, and creating the most optimal systems. This is of great importance for our education system, which is currently undergoing large-scale reforms.

At the beginning of the 21st century, global changes in the socio-economic, political and general cultural spheres created the ground for significant changes in the public education system. One of the important tasks of modern state policy is to improve the quality of education and the effectiveness of training highly qualified personnel in the Republic of Uzbekistan. The Law of the Republic of Uzbekistan "On Education" adopted on September 23, 2020 is a clear expression of this. Today, education covers all areas, and it serves as a leading factor in the development of Uzbekistan.

In modern world pedagogy, it is of great importance to study the educational process, the development of pedagogical ideas, and the form, method, means, and content of education used in the institutions of the public education system. By studying the implementation of educational work in highly developed countries of the world, in educational institutions, we are in the process of organizing the national education system of our independent country we will have additional resources to quickly get rid of the forms and methods of activity that are losing their relevance, to update it appropriately.

The President of the Republic of Uzbekistan Sh.M. Mirziyoev emphasizes that: "The most important task of the government, relevant ministries and agencies, and the entire education system, respected teachers is to provide thorough education to the young generation, is to educate them as physically and

spiritually mature people". Accordingly, we consider it our first priority to improve the activities of all parts of the education and training system based on the requirements of today's times. . Modernization of public education should not only develop the educational system, but also improve the quality of the individual, include new mental and cultural programs.

In addition, many decisions and decrees adopted by President Sh.M. Mirziyoyev on the fundamental reform of the education sector are progress in this direction. Among them, this article researches the President of the Republic of Uzbekistan dated February 7, 2017 "On the Strategy of Actions for the further development of the Republic of Uzbekistan" No. PF-4947, dated January 25, 2018 "General secondary, Decree No. PF-5313 "On measures to fundamentally improve the system of secondary special and vocational education" of the Cabinet of Ministers dated April 6, 2017 "General secondary and secondary special, vocational education It serves to a certain extent in the implementation of the tasks specified in the Resolution No. 187 "On Approval of State Education Standards" and other regulatory legal documents [1, 2, 3, . In accordance with this Decree, the main directions of the development of public education in our country have been defined as conditions for the wide-scale renewal of education of students in the process of pedagogical activity.

The current problems of attracting young people to social practice, providing necessary support for the

process of developing their social, scientific, and creative activity, and teaching science based on software training tools are facing our state and society today. Of all forms of social practice, it is education that provides a solution to this problem in a real sense, and not in a formal way. The end of the education quality policy, the goal, the efficiency indicator, the quality of the public education system is determined as a factor that ensures the unity of students as individuals. It is emphasized that the quality of education only increases during the educational process of public educational institutions (hereinafter referred to as educational institutions).

Therefore, the development process of the student's personality needs the support and assistance of pedagogues, because the role of an active participant in personal education has not been fully covered by the majority of students. Today teaching based on Asturian educational tools, negative situations such as the decline of interest in innovative, scientific and creative activities, the low level of involvement of young people in socio-cultural practices, and the absence of a mature system of support for young people in difficult living conditions are observed. These trends are reflected in all aspects of youth life - civil, professional, cultural, family life.

The effective solution of this problem is directly related to the problems of modernization of the educational system of HTT, methodical improvement of the

practical activity of education based on software educational tools, these are especially relevant in the conditions of the new education concept of the Republic of Uzbekistan. In this regard, the Decision of the Cabinet of Ministers of the Republic of Uzbekistan and the order of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan were developed.

It should be emphasized that the development process in the conditions of modern ICT can be considered as a determinant of a single educational environment. However, until now, the educational institution has experienced a difficult period. Most of the teachers do not have the inclination to carry out additional educational activities or do not know how to effectively solve the educational tasks assigned to the head of the class. Therefore, it is necessary to bring the educational activity to a new, modern quality to the students in the teaching of education science, to improve the science of education on the basis of software training tools in the process of pedagogical activity, with the development of scientific and practical bases. Looking at the history of pedagogy, education in the younger generation has always been a national pride of patriotism, we see that it is expressed in harmony with education. Folk oral creativity, the oldest examples of written literature - "Avesta", Urhun-Yenisei monuments, the Holy Qur'an, Hadith Sharif, where the moral beliefs of

Islam are presented, our great scholars Al-Khorazmi, Abu Nasr Farabi, Al-Beruni, Abu Ali Ibn Sina, Yusuf Khos Hajib, Amir Temur, Alisher Navoi, Zahiriddin Muhammad Babur and others scientific-pedagogical and didactic works are an important source of education based on patriotism and national pride.

In the scientific-pedagogical and methodological works of Behbudi, Munavvarqori, Abdulla Avloni, Fitrat, Elbek and others, who lived and created at the beginning of the last century, education was expressed as part of the humanistic feelings of national pride. Works of the President of the Republic of Uzbekistan Sh.M. Mirziyoyev; "Strategy of actions for further development of the Republic of Uzbekistan", "Strategy for the development of New Uzbekistan", developed under the initiative and leadership of the President of the Republic of Uzbekistan, serve as a theoretical and methodological basis for this research.

In the years of independence, the education of the young generation was philosophical (E. Yusupov, J. Tulenov, Q. Nazarov, A. Ibrohimov, Kh. Sultonov, N. Jorayev, B. Ziyomukhamedov, etc.), social, pedagogical and psychological (O. Musurmonova, M.Kuronov, S.Nishonova, U.Mahkamov, EG'oziev, J.Hasanboev, O.Hasanboeva, MEAkhmedova, A.Rezhaboyev, N.Oripova, H.Alikulov and others) in research on patriotism, national education, social justice and the homeland Education has been

researched in harmony with the development of feelings of faith.

The problem of methodological improvement of the educational process is closely related to the spiritual and moral culture of society, which is reflected in many works of famous scientists and researchers (EAAAnufriev, Yu.K. Babansky, URXDjuraev, VS Bibler, PS Gurevich, SF Yeliseev, EG Dmitrieva, MS Kagan, G. Kitaygorodskaya, S. Kon, NV Kuzmina, O. Musurmonova, Ye. M. Penkov, K. Rodgers, EA Seytkhalilov, VA Slastyonin, VA Sukhomlinsky, N. Egamberdiyeva, BXXodzhaev, FR Yuzlikayev and other.).

In the second half of the 20th century, significant attention was paid to the problem of education. The organization and content of educational work with students of the class with its influence on the development of their professional direction was considered by researchers (U. Alyeuov, O. Musurmonova, MEA Akhmedova, T. Utebaev, D. Ruziyeva, Sh. Mardanov . But to date, the problem of education is addressed by researchers in the context of improving the process of practical education in ICT. But with a deep study of ways to improve the practical activity of the science of education, many issues,

Article of the President of the Republic of Uzbekistan "On measures for the further development of the public education system", "On the strategy of actions



for the further development of the Republic of Uzbekistan" February 7, 2017 No. PF-4947 In his decree; In the Resolution PQ-5040 of March 26, 2021, "On measures to radically improve the system of spiritual and educational affairs"; Resolution No. 1059 of December 31, 2019 of the Cabinet of Ministers of the Republic of Uzbekistan "On approval of the concept of continuous spiritual education and measures for its implementation"; also significantly serves the implementation of the tasks defined in other normative legal documents related to this activity.

Education in 5-6 grades of general secondary schools "organizing the educational process and clarifying the level of teaching-methodical and didactic support, pedagogical conditions through a systematic analysis of normative documents on the teaching of educational science; improvement of teaching methods of education and didactic capabilities of organizational-structural components of software educational tools; based on the integration of software training tools education in general secondary schools improvement of the structure of independent educational assignments and educational activities; to develop a model for improving the teaching methodology of education science based on software training tools, to develop evaluation criteria and to conduct pedagogical experiments and tests, and to give mathematical and statistical analysis of the obtained results. SHE I Education in 5-6 grades of

mumy secondary schools Clarification of indicators of development of digital, general subject competencies of students through heuristic approaches by means of software components of teaching science based on the principles of coherence and consistency (multimedia, electronic textbook, virtual demonstration and laboratory); education in 5-6 grades of general secondary schools practical integration of the functional capabilities of software education tools with the educational process during science classes snowa content improvement of software educational and methodological support of the target (observation of events in 3D format, conducting experiments, modeling of processes); education in 5-6 grades of general secondary schools by ensuring the practical orientation of education in the conditions of the information-educational environment (e-learning) aimed at developing the organization of independent educational tasks from science (creative project work, preparation for laboratory exercises) improvement of teaching methodology; Development of scientific-methodical recommendations for the development of students' skills of imagining audio and visual materials based on the laws of virtual reality through computer simulation (modeling, teaching 3D animations, virtual stands and laboratories) in the teaching of "education" subjects, the science of education through students' independent learning activities

It is important to implement the methodological developments and recommendations created for the improvement of competencies in the educational process to increase the efficiency of learning.

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