

Development of Education in Uzbekistan with Progressive International Experiences

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ABSTRACT

Introduction: At present the great attention for developing educational process of Uzbekistan using methods of developed countries educational systems.

Objectives: Creation of the modern educational method requires development of the state educational standards through approaching competition, production and implementation of new generation of studying methodic complexes, provision of convenient of educational organizations, improvement and development of the teaching quality and also retraining and professional development of pedagogy workers

Methods: As the effective education technology for creating the natural and scientific literacy on pupils we use the “STEAM” educational technology. This technology helps to construct the scientific, technologic, constructive, artistic-aesthetic and mathematical conceptions on pupils. The “STEAM” educational technology is the projecting activity of participants in educational process based on the contexts, electronic devices, distribution materials and natural equipment providing self-integration of the different modern method and shapes of education, collective, group and individual shapes experiences aided as acquisition of practical knowledges.

Results: The developing process of inclusive education is difficult and broad activity, the task of which is creation of inclusive society defining each human as the personnel filling one a full fledged member of the society. The history of creation of inclusive education proceeds differently in each country when taken into account concrete political and social-economic reforms in concrete country. The intensive education requires not only intensive including pupils to school, but also active value-semantic restructuring total education system for providing educational requirements of each child.

Conclusions: In order to providing the basis of the educational organizations the manuals, didactic games, toys, equipment based on the South Korea and other developed foreign countries experiences are organizing. In realization of these tasks we must take into account that maintain the health of children is required, which is important in increasing the educational quality. It follows that the education system end education program’s requirements on the best foreign experiences and approached them creatively level is being developed. All of them guarantee to progressive adulthood of youth generation of Uzbekistan which by world is confessing.

Keywords: educational method, educational technology, youth generation, progressive international experiences.

INTRODUCTION

Study of the progressive international experiences in education branch, realization of international cooperation help adulthood of young generation of Uzbekistan as e harmonious one. The role of youth having potential and knowledge on growing futurity and reputation in the world community of our country is too great. In order to formation of such youth we must educate them from a very young age.

At present getting a template from international experiences, implementation them to practices with a creative approach, development of normative documentation, creation the educational teaching books, formation of

knowledges and skills on the modern management and pedagogical technologies in directors and specialists of educational organizations are actual tasks.

Based on the circumstances mentioned above creation of the modern educational method requires development of the state educational standards through approaching competition, production and implementation of new generation of studying methodic complexes, provision of convenient of educational organizations, improvement and development of the teaching quality and also retraining and professional development of pedagogy workers [1].

OBJECTIVES

In the present paper we have considered the tasks international cooperation on field of education in Uzbekistan. We have analyzed the education system and working experiences of developed countries such as South Korea, Japan, Germany, Belgium, Francia and have proposed the developing method through approaching these ones creatively.

As observations, working experiences and analyze showed today the fundamental reforms are being realized and large-scale activities of searching the most optimal and new ways on reaching the main aim implementation in education are being carry out and attention is increasing.

The special attention in the world pedagogy science to education tasks as future of our planet, that is perfect human based on the spiritual values from his young ages, is paid. In solving this task, the century experiences on the subjects dealing with the pedagogy, that is psychology, philosophy, sociology and one of consequent part itself, that is etno pedagogy and new reached successes are applying. In this regard the traditions which are peculiar to each nation can give, of course, the reach, at the same time, didactic materials. Projections, scientific monographs and investigations, conferences and different pedagogical activities directing to educate in the national spirit, that are the universal values, international harmony, fundament of interfaith tolerance are implementing. All of them prove that realization of education in the national spirit on education and training process has a high spiritual significance.

In the world the investigations on the fundamental level production of modernization system of realization of education with the culture-spiritual heritage, for example, national values, on the development of increasing model based on increasing the professional competitions of pedagogic workers, that are the main subjects of educational process, are being carried out.

In our country education of youth generation as the loyal enlightened people to national traditions and national values is important task of the social branch. The legal resolutions not only for increasing the mental and intellectual potential of youth generation, which is future of our country in Uzbekistan, where the free education had been guaranteed on the state level, but also for their spiritual development had been accepted, too.

As President of Uzbekistan Sh. Mirziyoyev constated: "... We, unfortunately, did not pay the enough attention on education of mature people, which will worthy successors of our great-grandfathers. We have no right to forget that the intellectual and cultural potential are rare wealth, bring to maturity of possessors of rare talent is crucial task. That the developed countries to high developed level precisely because of this had been reached it is trust. The success of reforms, taking the worthy place of country in row of developed, modern ones, first of all is connected with development of the science and education branches, that our ability is competitive on the world level. ..." [1].

Duration of centuries education in the spirit of historical memory, national mind and universal values, construct healthy environment in society, obtain the lessons, spiritual food from the past, make prosperous today and the great future is the important and actual task in the hands of the nation's intellectuals. Today education of youth generation, that is our future tomorrow of the scientific-practical investigations in education in the national value, to raise a well-rounded person, creation the spirit of loyalty to homeland, people, is directed to construct, too. As the Eastern sages had constated: "The greatest wealth is erudition and knowledge, the greatest heritage is good education, the greatest poverty is nescience" [2].

In the pedagogic, psychologic and methodic activity the special attention to role and meaning of the national-spiritual, universal values is paid and modification of the educational-methodic system of national spirit of youth generation is intended. As president of Uzbekistan had noted: "It is known that if the body of society life is economics,

then its soul and spirit is spirituality. We rely on strong spirituality based on the stable economics based the market principles, rich heritage of our ancestors, national and universal values” [3].

It is known that in the history of mankind the opinions with the different contents and ideas had been created, the many social-political forces had exclaimed to society and mankind with doctrines representing own aim and interests. Between themselves only doctrines which based on the national basis and invited to respect of benefits and values of others to the etalon which over centuries is applicable in everyday life of not only a separate nation but also totally mankind is being transforming [4-13].

In paper [4] successful practices of inclusive education in five countries participating in the project, namely Uzbekistan, Georgia, Tajikistan, Kyrgyzstan and Moldova had been analyzed. The investigation included a regional survey, semi-structured interviews, and a cross-sectional survey of education actors. It had been showed that, first, it is necessary to rely on the research that takes into account the diversity of factors and the cultural specificity of the context in understanding the current values and dynamics of educational culture, and second, one should increase the transparency of the current inclusive education system, implementation and monitoring of the subsequent steps of the reform, and third, it is major importance to invest in the system of training for support specialists in inclusive education, such as tutors, speech therapists, occupational therapists, etc.

In paper [5] on the areas of Doctor of Business Administration programs and presents comparative analysis with PhD programs in Russia had been elaborated. The pioneering role of the RANEPA Graduate School of Corporate Governance in the development and implementation of the program in the Russian business education system had been noted.

Article [6] had analyzed the international experience of innovative development of education in the late 20th – early 21st century, reveals the scientific foundations of innovative education, identifies and conceptualizes international trends in the development of innovations in education. The author presented interpretations of the key concepts that define the essence of innovative processes in education. Paper [7] approached the shortage of highly qualified personnel in the rapidly growing tourism sector. This problem is becoming chronic. In this regard, the formation of a structured framework of qualifications in the form of the national qualifications system is in high demand not only as a general institution for the strategic development of Russian educational organizations, but also as a means of training per-sonnel, technologies, competencies and innovative potential of the tourism and hospitality in-dustry.

In paper [8] had attempted to provide some insight into development and make suggestions for improvement of students’ work-based learning (WBL) and practical placements based on the analysis of some WBL cases in European universities. These proposals aim to improve the quality of education and ensure the decent employment of the graduates. The large-scale survey of employers revealed their high interest in the admission of students for practical placements. Educational systems in Asia and Europe use [9] technical teaching aids in such a way that, firstly, they demonstrate their innovativeness, efficiency, and secondly, a consistently high level of success in the educational process. The study of effective national programs leads to the understanding that the effective use of digital technologies depends at least on the introduction of innovations and their effective management, as well as on a deep understanding of the needs and capabilities of educational organizations and the children themselves.

Authors of paper [10] had showed to what extent ICT in inclusive education can be used effectively and in innovative ways in relation to four thematic areas that emerge from a consideration of the key messages within the UN Convention. In total, about ten countries and their positive experience had been reviewed. There is a need for structural and organizational reform of the education system in countries aimed at the process of internationalization [11]. This trend cannot be realized without studying and comparative analysis of the educational systems of the countries participating in the internationalization process. The factor of increasing international cooperation between the countries gives particular relevance to the analysis of education systems in Russia and China. The educational process should not only contribute to the training of specialists capable of developing international cooperation between Russia and China, but also form an objective idea of the worldview, intellectual, historical and cultural potential of the peoples of these countries.

METHODS

Higher vocational education, as an important national education undertaking, shoulders a great responsibility to promote international cooperation and exchange. There are now both new opportunities and challenges for international exchange and cooperation in vocational education. The implementation of the “One Belt, One Road” initiative [12] is aimed at developing new opportunities for higher education and vocational training. Communities need to overcome difficulties, actively implement programs and activities of international relations and cooperation in vocational education in order to achieve better interaction and communication between and within countries.

As the survey of vocational education institutions of the Republic of Belarus showed [13], obtaining significant results is determined by a holistic approach, covering the content of training programs, assessing the quality of training, a variety of teaching methods and a stable educational environment.

In our country the attention to further improvement of the continuous education system, increasing the possibilities of qualitative education services, construction and implementation of the effective mechanisms for developing the literacy degree of pupils are being paid. As the effective education technology for creating the natural and scientific literacy on pupils we use the “STEAM” educational technology. This technology helps to construct the scientific, technologic, constructive, artistic-aesthetic and mathematical conceptions on pupils. The “STEAM” educational technology is the projecting activity of participants in educational process based on the contexts, electronic devices, distribution materials and natural equipment providing self-integration of the different modern method and shapes of education, collective, group and individual shapes experiences aided as acquisition of practical knowledges.

RESULTS

Based on the analysis of the “STEAM” educational technology we constructed the table for comparing the several shapes based on its orientation to various fields and its unique characteristics of each type (see, Table 1).

Table 1

The developing stages of “STEAM” educational technology

№	Abbreviations	Decryption	Characteristics
1.	STEM	Science, Technology, Engineering, Mathematics	The educational technology oriented for combining the science, technology, engineering and mathematics which are important for understanding laws
2.	STEAM	Science, Technology, Engineering, Arts and Mathematics	The educational technology oriented for combining the science, technology, engineering, art and mathematics which are important for understanding laws
3.	STREAM	Science, Technology, Reading + Writing Engineering, Arts, and Mathematics	The educational technology oriented for combining the science, technology, engineering, art and mathematics which are important for understanding laws through reading and writing
4.	STEM PhBL	Science, Technology, Engineering, Mathematics through Phenomenon-based learning	The educational technology oriented for integrating the science, technology, engineering, art and mathematics which are important for understanding the natural laws based on studying phenomena
5.	STEM PBL	Science, Technology, Engineering, Mathematics through Problem-based learning	The educational technology oriented for integrating the science, technology, engineering, art and mathematics which are important for understanding the natural laws based on studying problems

Implementation of the “STEAM” educational technology provides the adaptation and implementation of educational quality of international experiences to the national educational system. Implementation to educational process of this technology based on the following: continuity and integrity; integrative approach; scientific basis; humanistic

principle of educational content; integration of theory and practices; cognitive-visibility; free activity approach; incorporative activity; synergetic activity; creative investigative activity; collaborative approach principles.

Duration of experiences we have revealed the complex criteria creating the natural-scientific literacy on pupils: explaining on the scientific point of view of phenomena; analyzing the given tasks and determining their solutions; scientific interpretation of data and facts according to their own assumptions. The finishing results obtained on beginning and finishing experiences carried out on revealing knowledges of pupils using “STEAM” educational technology have been presented on Table 2.

Table 2

Results of control experiences carried out on revealing knowledges of pupils using “STEAM” educational technology

Classes	Quantity of pupils participating in experiences	Estimation criteria							
		Excellence		Good		Satisfactory		Unsatisfactory	
		At beginning	At finishing	At beginning	At finishing	At beginning	At finishing	At beginning	At finishing
experienced	161	13	52	26	70	61	26	61	13
controlled	162	12	14	44	46	81	79	25	23

At the end of the testing experience on using the “STEAM” educational technology we have compared the statistical data. As analysis of results showed that the knowledge, skills and qualification of pupils involved to the experience process are more effective in comparison of the pupils on control. It follows that the modern conceptions, the integrative, individual-oriented and based on the “STEAM” competitions approaches provide the increasing efficiency of integrative development with social values. Moreover, the “STEAM” educational technology serves for using effectively to practices of knowledge between subjects in pupils, creating required competitions and increasing their natural-scientific literacy.

DISCUSSION

At present in Uzbekistan the education system based on the foreign experiences is being radically reformed too. For example, the actions plan of realizing tasks defined in “Development conception of education system in Uzbekistan up to 2030” had been produced.

In order to providing the basis of the educational organizations the manuals, didactic games, toys, equipment based on the South Korea and other developed foreign countries experiences are organizing. In realization of these tasks we must take into account that maintain the health of children is required, which is important in increasing the educational quality. It follows that the education system end education program’s requirements on the best foreign experiences and approached them creatively level is being developed. All of them guarantee to progressive adulthood of youth generation of Uzbekistan which by world is confessing.

Thus, the developing process of inclusive education is difficult and broad activity, the task of which is creation of inclusive society defining each human as the personnel filling one a full fledged member of the society. The history of creation of inclusive education proceeds differently in each country when taken into account concrete political and social-economic reforms in concrete country. The intensive education requires not only intensive including pupils to school, but also active value-semantic restructuring total education system for providing educational requirements of each child.

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