

DEVELOPMENT OF STUDENTS' SCIENTIFIC COMPETENCIES BASED ON STREAMING TECHNOLOGIES (ON THE EXAMPLE OF TEACHING ENGLISH)

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ABSTRACT

The following article discusses the scientific and theoretical foundations of the development of student scientific competencies based on streaming technologies, their improvement based on modern requirements, as well as proposals that scientifically substantiate the harmony of the quality and effectiveness of education.

Keywords: Paradigm, trend, streaming, technology, skills, competence.

INTRODUCTION

The rapid development of the internet, personal digital devices, and fast data transfer technologies has led to dramatic changes in global education. Therefore, during the period of scientific research aimed at developing creative thinking of young people in the world education system, special attention is paid to the study of the organization of education based on innovative educational technologies. Deep knowledge of the future profession of young people studying on the basis of streaming technologies, logical and consistent observation, development of creative and divergent thinking, acceleration of language acquisition are important based on the requirements of the market economy and socio-political conditions.

The modern world community and the republic's interest in the introduction of innovative and information and communication models in the system of teacher education, the effective use of tools and forms in the context of a sharp increase in cultural, educational and socio-economic ties with other countries are developing the scale of scientific research. In the context of the "sustainable development goals (SDGs), the "European Higher Education Area" (EHEA) concepts adopted at the 70th anniversary session of the UN General Assembly and the "introduction of a competence-based learning model in training and professional development", based on the continuous improvement of professional skills based on the humanization of education, are defined as one of the strategic directions. This ensures the integration of foreign advanced systems for the development of future professional competencies of students based on stream technologies in the management and educational process. In the process of language learning in higher education institutions, streaming technologies provide a wide range of opportunities for preparing, broadcasting and storing audio-visual information from the screen of a personal digital device and a webcam during distance learning using modern telecommunications services on the internet.

Leading educational institutions of the world conduct research aimed at training competitive personnel who are fluent in foreign languages, ensuring their active participation in the socio-cultural sphere in the context of globalization.

One of the important areas of reforms in the higher education system of our country is the teaching of foreign languages, the introduction of innovative forms, tools and methods in this

process. In this regard, the role of English in the economic, social and political spheres of the country is one of the most important tasks of the university, the use of information and communication systems, electronic and multimedia textbooks in teaching foreign languages.

In the developed countries of the world, scientific research is being conducted to improve the competence of specialists in their professional competence, expand their social activity through electronic information systems (e-learning concept) and increase the ability to learn a language.

It is important to study the scientific and theoretical foundations for the formation of students' scientific competencies based on streaming technologies, improve them based on modern requirements, and develop proposals that scientifically substantiate the harmony of the quality and effectiveness of education.

Harvard University (USA), Harper Adams University (England), Poncelet University (France) conduct research on the development of universal competencies of future specialists in the world.

One of the most important areas of radical reforms in the higher education system of our country in recent years is the teaching of foreign languages, the introduction of innovative forms, tools and methods in this process, and the training of teachers with special training. The requirements imposed by the state for teaching foreign languages are to teach the younger generation fluency in a foreign language, on the basis of which future personnel will be created conditions and opportunities for the achievements of world civilization and the wide use of world information resources, the development of international cooperation and communication. Accordingly, based on the rich heritage and universal values of the people forming a perfect modern system of training of national staff, fully multilingual, embodies the achievements of modern culture, economy, science, technology and information and communication technologies, ranked as one of the important conditions of development of the country.

One of the important aspects of ensuring pedagogical effectiveness in the educational process is the development of educational and cognitive activity of students based on problem-based learning in the educational process. Without the organization of innovative pedagogical activity of a teacher, it is impossible to prepare Mature and competitive personnel that meet modern requirements. The modern demand for English language teachers in higher education – a constant and regular language theory and practice of teachers, improving their skills in the field of methodology, implementation of the requirements of humanization and democratization of education, ensuring its continuity, the continuity of nationalization and modernization, preparedness training for public communication in the context of increasing international and regional cooperation and constant upgrading of their linguistic and cultural knowledge and skills that they must master.

In order to ensure the development of our country, as in any field today, the widespread introduction of streaming technologies in the education system, including the development of information, communication and technological innovations in the training of English language personnel in higher education institutions is becoming a necessary requirement.

The development of students' scientific competencies based on streaming technologies is largely determined by the level of readiness of future personnel for further professional activity, their knowledge, skills and proficiency in English, their creative characteristics in the system of everyday education, the quality and effectiveness of training. The rapid development of the

Internet, personal digital devices, and fast data transfer technologies (including the development of new methods, forms, and technologies for teaching online education courses, educational modules for undergraduate programs, and stream learning technologies are becoming popular). When *stream* is translated from English, it means a sequence of video or audio received by the user through data transmission. This term is also used by Internet users as a slang name for live broadcasts on video hosting.

Accordingly, only if the teacher is open to new pedagogical innovations will the purposeful penetration of innovative ideas embedded in the educational process be ensured. In this regard, the development of students' scientific competencies based on streaming technologies is one of the **topical** issues and is expressed in the following:

application of educational technologies and creation of methodological manuals, textbooks, teaching aids, innovative pedagogical technologies in foreign languages based on various information and communication technologies of new content;

the broad development of innovative pedagogy and pedagogical technologies of new content on a global scale, the importance of their application in pedagogical practice, the fact that the innovative pedagogical principles are one of the main factors of development of modern pedagogical science and widespread, however, the domestic pedagogical process the concept of innovation pedagogy is not yet fully reflected in modern pedagogy, the influx of development and application of innovative technologies in the domestic pedagogy, the need to improve and accelerate the process of offering advanced pedagogical technologies, theoretical and practical aspects of the subject, including the availability of a modern pedagogical model, methods and technologies for teaching foreign languages in the higher education system;

streaming as host and presenter of the technology, various methodological developments, in which activity of a teacher is characterized by innovative, targeted means of technology, the most unique that a modern society in relation to the activities of the teacher, is regarded as a reserve of wealth that is the basis for building "human capital", but in some tertiary institutions it is not. Therefore, the country's economy needs to grow spiritually, competently, competently, with a mobile, creative approach, fully mastering modern knowledge. To achieve this goal, the quality of the educational process, its modern knowledge and innovative form and content are provided, the essence of which requires regular improvement. Also plays a special relevance.

RESULT AND DISCUSSION

Educational and cognitive activity of students based on streaming technologies is a process of acquiring knowledge, skills, and competencies from the English language and is a set of scientific, technical, and organizational measures aimed at training new personnel.

In our country, a wide range of works is being carried out to implement the goal of comprehensive acceleration and development of educational and methodological activities in a foreign language, defined in the national program. In particular, the creation of the center "The identification and promotion of advanced pedagogical technologies, methods" of the Republican educational centre and launch of the lab "Scientific bases of new pedagogical technologies" at the research Institute for Pedagogical Sciences of Uzbekistan are estimated by the public as "innovation turn" in the field of education.

At the same time, along with the official education system, non-formal and independent centers for teaching foreign languages operate in all regions of the republic during the same period. Such language centres operating across organizations such as DAAD Germany, KOIKA Korea, JICA Japan, MASHAW Israel, cultural centre of India, an education exchange program USA,

British Council UK, resource centers, cultural centers, libraries, online materials, educational services, training and sending to foreign countries on a competitive basis, as well as language centers, organized in Chinese, French and other embassies. It has become a tradition to hold various language competitions and internships abroad within the framework of embassies.

For example, the US Embassy has an Educational Advisory Center (EAC). This center helps students interested in studying in the United States. The EAC allows young people to use materials on education in the United States. Within their framework, they provide free consulting services on the choice of curriculum, admission conditions, financial assistance and other issues related to study. The number of Central Asian students studying in the United States has increased by 20 percent over the past decade compared to the previous one. In the 2016-2017 academic year, about 870 Uzbek students received the opportunity to study in the United States, which is significantly higher than 586 students in 2012-2013.

At the same time, various cultural centers are actively operating in our country. For example, there are about fifty cultural centers in the Republic that live in Uzbekistan, and all conditions are created for representatives of various nationalities and peoples to preserve and develop cultures, as well as to work. At the same time, during the years of independence, the foundation was laid for opening branches of foreign universities in our country. Among them Tashkent international Westminster University, Singapore Institute of management development in Tashkent, Turin Polytechnic University in Tashkent, Tashkent branch of Russian economic University named after G.V. Plekhanov, Tashkent branch of oil and gas University named after I.M. Gubkin in Tashkent, Tashkent branch of Moscow state University are among the proposals.

When streaming technologies are evaluated as an educational trend, this determines the dynamics associated with its changes.

Streaming technology is an online organization for the purpose of developing students' knowledge, skills, qualifications, and competencies. As a result of training, it is important that their knowledge of English acquire completeness, depth, consistency, awareness, consistency and practical characteristics. Such cases represent a methodically correct organization of the educational process.

Continuous education is the foundation of higher education. Countries seeking to create a knowledge-based society and a competitive economy are more concerned than ever before about the need to constantly update the knowledge of the population, improve the skills of specialists and expand professional development opportunities. This is a matter of close cooperation between universities and corporations.

Streaming technologies are a complex formation and development of personality by updating the content, principles, forms and techniques of educational and cognitive activity of the student, ensuring their interaction and unity. The principle of systematization and consistency of training in the development of educational and cognitive activity of the student includes strengthening the educational material described and serving as a Supplement to the previously mentioned materials, independent work of students in a continuous and systematic pace, taking into account the knowledge and skills acquired by students.

The sequence depends on the content of education, its forms and methods, and the interaction of subjects who are participants in the educational process. This allows you to combine them into a single holistic learning process based on the gradual assimilation of the laws of individual

(Greek. *partialis* – partial) and private learning situations, connections, connections between objects and phenomena.

“Consistency implies that the educational process is based on a certain system and sequence, because complex issues cannot be solved without studying simple questions” [4,45-p.]. therefore, consistency and consistency allow us to analyze the rate of assimilation of a particular educational material from the point of view of the English language, its compatibility between its elements. Systematization and sequence of training allows the student to determine the relationship between the formation of knowledge, skills and competencies in the English language, a holistic perception of being. These cases are manifested primarily in the creation of programs and textbooks in a particular system, maintaining links between sciences.

Visual thinking is especially important for students when using streaming technologies. In the educational process, information is an integral part of it. Students receive information in the learning process and process it in their own minds. As a result of its development, students perform certain educational and social actions.

Today, within the framework of the theory of independent knowledge acquisition and organization of one's own activities, ways of using information and their use in practical activities are being created using non-standard open-source tools. There are options for their effective use in the educational process.

CONCLUSION

Improving technologies for teaching a foreign language in the world, developing sociolinguistic knowledge, skills and competencies of students, developing theoretical foundations for continuous improvement of language skills, introducing new models for the development of educational and cognitive activities of students, speech skills, despite the implementation of scientific and theoretical research, as well as introducing new methods of teaching a foreign language, so that they have sufficient knowledge and skills, it is necessary to conduct scientific research on the systematization of knowledge and skills obtained in the problem textbook.

3. Analysis of scientific resources, research and development in our country in recent years, much attention has been paid by young people to the development of foreign languages, in particular English, which is a cultural tool of the state, by Mature specialists. the inclusion of this issue among the tasks of national importance in all respects showed the importance of studying the world experience.

4. Educational and cognitive activity of students based on streaming technologies is a process of acquiring knowledge, skills, and competencies in English and is a set of scientific, technical, and organizational measures aimed at training new personnel.

5. For the development of educational and cognitive activity of students based on streaming technologies, it is necessary to rely on contradictory methods and techniques of a constructive nature, ICT tools. These cognitive impairments lay the Foundation for students' mastery of English grammar and speech norms. On the basis of problem-based learning, tasks presented in English classes in the development of educational and cognitive activity of the student should be organized as follows.

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