

CONDUCT OF EXACT SCIENCES IN AN INTERACTIVE WAY IN THE SYSTEM OF PROFESSIONAL EDUCATION

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"There is no salvation except knowledge and there will be no salvation"

(Imam al-Bukhari)

The state pays special attention to the issues of improving the continuous education system and training highly qualified personnel, openness and quality of educational services in accordance with the modern needs of the labor market. For this purpose, in order to ensure the implementation of the laws of the Republic of Uzbekistan, the decisions of the President of the Republic of Uzbekistan, a number of decisions made by the Cabinet of Ministers regarding the system of professional education, it is important that the leaders and pedagogues working in this education system have a deeper understanding of the state policy in the field of professional education and the legal basis for its modernization. is enough.

The Law of the Republic of Uzbekistan "On Education" approved on September 23, 2020, the President of the Republic of Uzbekistan dated February 7, 2017 "On the Strategy of Actions for Further Development of the Republic of Uzbekistan" No. PF-4947, dated September 6, 2019 "On Further Improvement of the Professional Education System PF-5812 on additional measures" and PF-6097 dated October 29, 2020 "On approval of the concept of development of science until 2030", February 27, 2020 "On measures to further develop the field of pedagogical education" No. PQ-4623, the speech entitled "Teachers and coaches are our great strength, support and support in building a new Uzbekistan" at the solemn ceremony dedicated to the Day of Teachers and Trainers on September 30, 2020 and the speech of the Cabinet of Ministers of the Republic of Uzbekistan on May 15, 2020 "Professional in the Republic of Uzbekistan No. 287 on measures to organize the activities of the national system for the development of qualifications, knowledge and skills" No. 466 of August 7, 2020 "On approval of normative legal documents regulating the system of continuous primary, secondary and secondary special professional education in the Republic of Uzbekistan" It was created based on the content of the set priority tasks, and it aims to develop professional skills and innovative competence of pedagogic staff of professional educational institutions, to learn advanced foreign experiences in the field, to master new knowledge and skills, and to improve the skills of putting them into practice.

With the honor of independence, our country opened its face to the world. As an independent country, huge reforms have been implemented in the field of education,

like all other sectors. In the reforms carried out in the field of education, special attention was paid to education and training of the young generation in professions, to prepare them for adult life as professional specialists of any profession.

From this point of view, in the initial period of reforms, secondary vocational education was launched.

In recent years, after studying the requirements of the times, the acquired experience, and the experience of developed countries, the reforms in this direction have reached a new level.

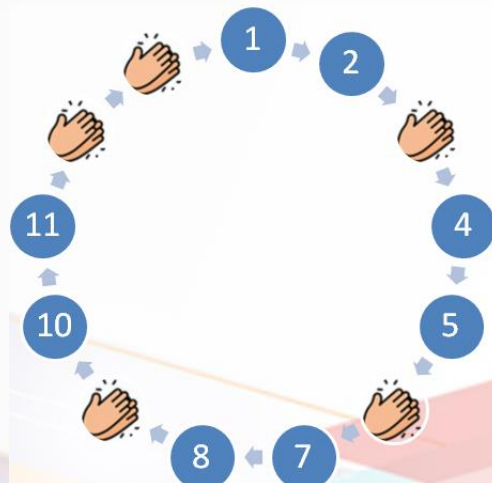
To increase the quality of education at all levels of education, to introduce international experience and requirements in the field, to include children up to school age in pre-school educational institutions, to increase the coverage of graduates of general education schools, academic lyceums and vocational colleges to higher education, to expand facilities and opportunities for applying for higher education and access to ensure the fair and transparent organization of examinations, to reconstruct the buildings of educational institutions based on the requirements of the times and to build modern ones and to update their material and technical base, to attract the private sector to the field, to improve the system of material incentives for teaching staff and to increase their salaries step by step measures are being taken.

The result of these reforms is directly related to the quality of education. The quality of education means quality education. In order to conduct a quality lesson, a pedagogue must have not only theoretical knowledge of the subject, but also the ability to think creatively and communicate with students.

Especially if it is the exact sciences. Because understanding and analyzing exact sciences requires more mental work.

This requires not only hard skills but also soft skills in the pedagogue.

The teacher should use appropriate methods based on the characteristics of his own, group, subject and subject. These can be various exercises, interactive exercises, energizers, presentations, brainstorming, intellectual games and assignments, interviews, working in small groups, working in pairs, debates, role-playing games.



In the article, we will touch on some of the above within the framework of mathematics.

For example, the game "33/3" that develops the skill of rapid analysis of numbers. To do this, students stand in a circle and count in numerical order, starting with the number "1". Then "3" and the numbers divisible by three (3, 6, 9, 12, ...) are clapped. Also to the numbers connected with three (13, 23...). the participant who makes a mistake is out of the game. The game continues until there is only one student left.

The participants are divided into 2 groups and cards are distributed and the members of the group draw cards. Cards are different mathematical symbols or numbers. As a team, they will have to follow the given clues in a formulaic sequence and produce a result. Whoever can use more hints and that group wins.

Rebus exercise is also an effective method to reinforce the topic.

E	T	I	N	G	R	A	L			
T	R	I	A	N	G	L	E			
F	P	O	I	A	R	G				
P	I	F	A	G	O	R				
A	M	E	R	O	E	T				
T	E	O	R	E	M	A				
Z	G	O	P	N	E	T	O	A	E	
G	E	P	O	T	E	N	O	Z	A	
T	K	T	A	E						
K	A	T	E	T						

Such interactive exercises should be organized by dividing the audience into small groups. In this, healthy competition is formed between groups. And this is achieved by the active participation of all members of the group. The main thing is to ensure physical activity of the students during the exercise, it is also necessary to pay attention to working as a team. Through this, it is possible to repeat the subject and improve their physical and mental condition.

From this point of view, it is desirable to make the topics clear and understandable for the students of professional educational institutions in a simple way and to professionalize the lessons.

It is important to explain the topic in a practical way with real-life examples, which will attract the attention of the student and ensure that he understands the topic and remembers it for a long time.

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