

FORMATION OF PROFESSIONAL ACTIVITY OF FUTURE CHEMISTRY TEACHERS ON THE BASIS OF EDUCATIONAL TECHNOLOGY

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Abstract:

The use of new pedagogical educational technologies to shape the professional activity of future chemistry teachers - interactive method, didactic games, cooperative teaching - content of test lessons is included. Information on the development of professional competence and adaptation to the world education structure, the use of new pedagogical technologies in the teaching of theoretical issues of chemistry, handouts for independent work are aimed at shaping the professional activity of future chemistry teachers.

Keywords and phrases: chemistry and its teaching methodology - chemical thinking and its formation, chemical accumulation, methodical principle of teaching.

Today, in order to increase the effectiveness of education in the Republic of Uzbekistan, it is necessary to increase the professional activity of the teacher of chemistry, to have sufficient knowledge, skills and experience. Educational bases, necessary information and necessary materials should all be in accordance with the prepared state educational standards. Science programs, working programs, literature intended for chemistry, handouts for independent work are aimed at shaping the professional activity of future chemistry teachers.

In accordance with the in-depth teaching of chemistry, the sequence of topics should be oriented according to the plan. It is necessary to create favorable conditions for students to learn. In order to use new innovative technologies in the course of teaching chemistry, a chemistry teacher should know the following. [1].

the future chemistry teacher should have theoretical knowledge of the subject.

- formation of practical skills of the future chemistry teacher.
- the future chemistry teacher should know the methods of performing experiments in laboratory classes.
- the future chemistry teacher should know how to use handouts correctly and effectively in the course of the lesson.
- future chemistry teacher to know how to apply new innovative literature on chemistry.
- the future chemistry teacher should know how to properly organize the oral presentation of control types, written work, and evaluation of test controls.



- future chemistry teacher to know new innovative educational technologies used in chemistry class.
- the future chemistry teacher should know how to choose and use the appropriate methods for the subject.
- to know how to prepare a future chemistry teacher for science olympiads step by step.
- future chemistry teacher should know how to organize chemistry clubs and events.
- the future teacher of chemistry should know the terms, the language of chemistry, how to solve problems and example exercises from chemistry.
- the future chemistry teacher should know how to make easy and complex tests [1].

If the future science teacher in the teaching of chemistry classes thoroughly understands these points, it is necessary to prepare personnel who can take chemistry classes in schools, colleges, academic lyceums and higher education systems, and to have a teacher's qualification certificate , it is necessary to take into account the level of knowledge of English and other foreign languages.

Every pedagogue, chemist teacher should have complete knowledge from the scientific, scientific-methodical, and cultural aspects, the personnel with a clear world view, the ability to think broadly, and a sufficient level of knowledge should be suitable.

New pedagogical and psychological knowledge is needed for those who can convey theoretical information correctly, and pedagogical technologies play a big role in such a process [2].

Educational technologies

1. Module education - Module (derived from the Latin word modulus, which means part, piece, block.
2. Problem-based education-Problem statement, in which the pedagogue independently presents a problem situation and searches for and finds its independent solution.
3. Interactive method is the most effective way to create positive situations such as creative activity, inquisitiveness, desire to work independently.
4. Didactic games help to master the learning material, expand the world view, increase and develop the ability to think creatively.
5. Collaborative teaching organizes effective cooperation with the group of students and the whole class [3].
6. Test lessons - In order to study information technologies, tests, written work, options, midterm control, current control, and final control will be announced.

It is very important to use the "case-study" method in the course of the lesson. Teaching the topic of the importance of the "case-study" method using new pedagogical technologies, choosing the right educational methods, using "Case-study" methods. is to teach students to analyze specific situations, work in groups, and think independently. As a result of using the case-study method based on educational technologies, students' knowledge increases [4].

Use of the "**Case study**" method - a great deal of experience has been gained in the use of new pedagogical technologies that increase students' interest, scientific creativity, and guarantee the effectiveness of the educational process. Case study is one of the most preferred methods by students as an interactive educational method. This technology is an educational technology



aimed at developing the general intellectual and communicative potential of teachers and students [1].

"Case study" - (English case - collection, specific situation, study - study) - a concrete real or present situation that is described in the case and directs students to express the problem and search for options for its appropriate solution. It is an educational method based on the problem-situational analysis of the created situation. To complete the case, the student should have the following knowledge.

Competencies and skills should be formed from the presentation of theoretical information through slides, video clips have a positive effect on the lesson, and basic concepts should be formed through experiments.

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