CHEMISTRY

THE NEW PEDAGOGICAL TECHNOLOGIES OF ANALYTICAL, PHYSICAL AND COLLOID CHEMISTRY TEACHING TECHNIQUE

Ақмырза З. Ш. Дощанова К. Б. Айдын Ф. Н.

С.Мұқашев атындағы "Атырау политехникалық колледжі" КМҚК, Атырау, Қазақстан

Abstract. Chemistry belongs to the natural sciences which studies the matter. Chemistry is the science that studies the transformation of matter. Chemistry is the science that studies composition of substances, their structure, properties, chemical change, their actions and the methods of management.

Keywords: analytical, organic, physical and colloid chemistry

Chemistry belongs to the natural sciences which studies the matter. Chemistry is the science that studies the transformation of matter. Chemistry is the science that studies composition of substances, their structure, properties, chemical change, their actions and the methods of management.

The technique of chemistry is the public process of chemistry teaching, education and training.

The kinds of chemistry: organic, analytic, physical and colloid chemistry teaching technique consists two parts in Atyrau polytechnic college.

The first part considers general questions of chemistry teaching: the goals and objectives of chemistry courses in the field of technical and vocational education, their content and structure, practices in chemistry teaching, teaching methods, chemical challenges and questions, the methods of knowledge and skill testing.

In the second part we study about teaching methods: quantitative and qualitative analysis of analytical chemistry, oxidation, hydrolysis of the salts, the properties of electrodes, ionic equilibrium in aqueous solutions, reversible and irreversible reactions and chemical reactions, solutions, concept formation about solution, organic chemistry – organic compounds, substances of organic chemistry, organic acids, physical and colloid chemistry: physical state of matter, chemical thermodynamics, chemical and phase equilibrium, electrochemistry, electrode processes, chemical kinetics and catalyst, methods of purification and obtain methods of colloidal system, the stability and coagulation of colloid system, macro and micro heterogeneous systems, lyophilic and lyophobic colloid systems.

Currently, according to the traditional teaching methods of modern education in the traditional teaching methods of modern education in the implementation process, there was the need to ensure about the technologies.

Informing the educational process is aims to improve the quality of training and education trends by teach pupil using new informational technologies.

Nowadays most of technologies are uses for development of individual human. Our educational system describes with variety of new technologies using in educational system.

At first, pedagogy needs for new ways of business system. At second, improve the teaching and utility of teaching. At the end technology planning improve the attitude between pupil and teacher, to increase the interests of pupils, introduction of the methods. Then, we should to improve this pedagogical system and to use it in practice right now.

We reach the achievement using additional lessons, exchanging with experiences, etc. So, update the educational content, to improve the educational system is legality of today's objective. That's why we took as a study objective the educational system of students in Atyrau polytechnic college.

The goals of study: to improve the communication skills, the mind, the creation skills and using the knowledge in practice.

The tasks:

- To familiarize with pedagogical literature about informational technologies;
- To improve the material and technical base for organize new informational technologies.

Introducting computer and educational technologies we achieve for some goals: to determine the level of knowledge using electronic textbooks in chemistry, to study the level of knowledge using training methodology complexes.

If every student use new technologies it would became subject of educational process and it would improve the quality of knowledge.

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