

METHODOLOGY OF ASSESSMENT OF STUDENT KNOWLEDGE IN PEDAGOGICAL HIGHER EDUCATION INSTITUTIONS USING PISA, PIRLS INTERNATIONAL RESEARCH PROGRAMS, COMPUTER AND INFORMATION TECHNOLOGIES

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Annotation: *students cannot learn everything they are supposed to learn in school. To be an effective learner, one must be aware not only of knowledge and skills, but also how and why they are learned.*

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In the information age, in the history of mankind, there have been tremendous achievements in the world of industry and science. Information has become the most valuable thing in the world. The invention of the computer made the tasks that people do easier. Modern means of teaching and learning were introduced in the fields of science and education. Now, the importance of electronic manuals in this area is increasing. Initially, electronic methodical manuals were in plain text form, but now they incorporate various visual forms.

We know that when a person sees information, he remembers it more than when he simply hears or reads it. Taking into account these aspects, the preparation of an electronic methodical manual can lead to a long life.

The development of various animation preparation programs has led to the production of quality electronic methodical manuals in the field of electronic methodical manual preparation.

Now, with the help of programs that create electronic methodical manuals, it is possible to use Flash, 3D Max and other types of animations, various video and audio files in the electronic methodical manual

How convenient to use these opportunities depends on the skill and psychological approach of the electronic methodical guide preparer.

Currently, Internet technologies are also developing rapidly. There are special tutors and sites that provide online training. Distance learning technologies are being implemented. This brings many conveniences to students. In this case, students can study in universities of another country while staying in their country and get a diploma of that university.

Using modern technologies in educational systems to increase the efficiency of the lesson is an urgent issue that is necessary in the teaching of subjects. Interest in the use of pedagogical, information and innovative technologies in the educational process is growing day by day.

The future of every society is determined by the level of development of the education system, which is an integral part of it and a vital necessity.

Today, reforming and improving the continuous education system of our country, which is on the path of independent development, raising a new level of quality, introducing advanced pedagogical and information technologies to it, and increasing the effectiveness of education has been raised to the level of state policy.

Until now, in traditional education, students were taught only to acquire ready-made knowledge, but with the help of modern technologies, students are taught to independently search, analyze, and draw conclusions about the knowledge they need to acquire.

The basis of innovative educational technologies depends on the technologies chosen by the pedagogue and learners to achieve the specified result in cooperation. When teaching with modern technologies, the student thinks independently, especially when learning with the help of computer technology, the student quickly accepts various knowledge and skills. Lessons conducted with new technologies teach students to think independently, develop their speech, communicate with each other and even make their own conclusions.

Since the introduction of innovations into education has a dialectical description, it is effective in all respects to establish innovative technologies that serve to successfully solve the tasks of creating, introducing, mastering and implementing innovations.

Application of information and communication technologies in modeling of astronomical processes is carried out mainly in two ways.

The first condition is technical equipment, and the second condition is the provision of special software. Provision of technical equipment: computers, network devices, high-speed Internet networks, equipment, etc. Software: includes a set of software designed for this industry, from software that uses existing devices.

In recent years, the type of electronic education through the Internet or Intranet network, which is used in the world's leading universities, has come under the term Elearning (electronic education).

As a result of the reforms carried out in our country in recent years, huge economic growth indicators are being achieved, increasing the demand for qualified personnel and mature specialists in all fields.

This in itself requires increasing students' interest in classes and teachers' attention to comprehensive education.

The fact that the above requirements are very important for the education system means that, as in most foreign countries, it is necessary to attract the best practices aimed at improving the quality of education by evaluating and monitoring the development of education and science.

What does participation in international studies of the assessment of the quality of education give to Uzbekistan?

- The results obtained in the researches allow to draw conclusions about the quality of education in the country and its place taking into account international standards.
- It is used in the reform of the national education system, the improvement of the educational content, the training of pedagogues and their professional development programs, and the creation of a new generation of textbooks by specialists.
- International research has a positive effect on the quality of national research in the field of education.
- It allows to create a national evaluation system based on high economic efficiency at the level of international standards.
- By participating in international research involving leading specialists of various organizations in Uzbekistan, the culture of conducting monitoring research among our local experts will be developed, and it will lead to adaptation of education quality assessment to international standards.
- Allows development of control materials for national education quality assessment at the level of quality of control materials used in international studies.
- Today, there are influential international organizations that conduct research on the evaluation of the achievements of the educational system of the countries of the world and help in the implementation of reforms. It is important that Uzbekistan's participation in these studies and its results be recognized by the world community, that the young generation can be educated in new innovative ways based on international experiences, and that they can effectively apply their knowledge in practice.

The Organization for Economic Co-operation and Development (OECD) conducts research to find solutions to problems that arise in various fields. In particular, on the basis of this organization, PISA (The program for international student assessment) - the international program for the assessment of student literacy was developed in order to develop general secondary education, which is the main link of the education system. The reason why the economic organization turns to the education sector is that the personnel for any field is first of all grown up in schools and ordinary classrooms. In this sense, the OESD organization aimed to create a ranking of how much money the member states spend on the education system and how effective they are. Later, other countries became more interested in this research, and today the number of member countries of the organization is increasing.

A key consideration in selecting texts for the PIRLS assessment program is to provide several text types based on intended reading goals. In doing so, the main goal is to create an environment similar to classroom and classroom learning for students. The student is an active participant in this process, observing the text and consciously choosing effective reading strategies. Each type of text follows typical patterns and rules to help the student interpret the text. Any text can have different forms. These include traditional books, magazines, documents and newspapers, as well as written texts in digital form.

This environment extends beyond the classroom as students discuss information and ideas from their studies with their family members and peers. Currently, PIRLS defines reading literacy as the ability to understand and use forms of written language that are required by society and valued by humans, as well as the ability to make meaning from texts in various forms.

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