

# Methodology for Applying Modern Tools in the Process of Training Future Engineers for Secondary Special and Professional Educational Institutions

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**Abstract:** This article describes the positive aspects of effective use of modern educational and didactic tools in the educational process, methods of achieving lesson efficiency. In conclusion, the modern generation of technology science textbooks should be aimed at teaching students to acquire knowledge independently and apply it to practical activities, and to develop positive skills, self-evaluation of their own knowledge. should cover the system. This article mentions the positive aspects of using modern educational and didactic tools in the educational process, and ways to achieve training effectiveness.

**Key words:** didactics, electronic resources, e-book, profession, teaching-methodology, software, component, interdisciplinarity, interface, resource, pedagogical technologies, skills development, interactive methods.

Without any doubt, confidence in our own strengths and capabilities unites us in the path of such an important aim as the foundation of The Third Renaissance and it is making us stronger and more solid. These aspirations are becoming huge practical works and the great people's movement is expanding.[1].

It is a great happiness and honor to being in such a powerful line. Physics, astronomy, mathematics, medicine, chemistry, textiles, architecture, mining, ceramics, philosophy, music, linguistics and literature have been developed in Central Asia.

Particularly, it is worth mentioning such great scholars as Muhammad Ibn Muso al-Xorazmiy (780-850), Abu Nasr al-Farobiy (873-950), Abu-Rayhon Beruniy(973-1050), Abu Bakr Ar-Roziy (865-925), Ahmad Fargoniy (790-865), Abu Ali Husaynn Ibn Sino (980-1037), Umar Xayyom(1048-1123), Mirzo Ulugbek (1394-1449) are immortal scholars for us in the field of exact and fundamental sciences.[3].

The scientific work of Muhammad Ibn Ahmad Abu Rayhon Beruniy is plays asignificantly pivotal role in the field of physics. He created the first globe and wrote more than 150 books and pamphlets.

The scientific work of Muhammad Ibn Ahmad Abu Rayhon Beruniy is plays asignificantly pivotal role in the field of physicsIn today's era, the rapid development of science and technology changes day by day, the rapid influx of information, the process of analysis from didactic tools in the educational process. effective use is to organize technology classes using effective educational and didactic tools on the basis of modern pedagogical and information technologies.

Today, improving the quality of education through the effective use of modern educational and didactic materials, multimedia and media tools, and electronic resources is one of the urgent tasks of science teaching.

As a result of the use of modern information technologies in the educational process, it is possible to learn complex technologies in a short time and to teach them remotely through electronic textbooks and virtual stands.

To use electronic textbooks and manuals in distance education, it is necessary to have high activity. An e-learning manual for each subject should have at least three main parts: educational, exercise and control. Audio, video, developed on the basis of the latest achievements of science and technology in the field of education from modern educational and didactic tools. the application of telecommunications and technologies is gaining great importance. Therefore, their Getting acquainted with didactic possibilities and learning to use them in training will be of great help to future teachers in their future work.

Modern of the educational process information technologies to apply through organize to be done as a

result, it is possible to master complex technologies in a short time through electronic training manuals, virtual stands, and teach remotely. We use educational information. These can be numerical and written, audio and visual, volumetric and moving, electronic and other forms. Based on this, we learn one of a didactic tool if we find out their capabilities each we can learn which one is more efficient to use for which task.

### **Didactic tools three direction we separate.**

These are didactic materials, didactic tools used for their use, and complexes designed to implement education using didactic materials and tools. Each one direction according to their belongs to types there is. Education in training

to the students to be given demonstration to be done done displayed and that's it all similar kind of study information we didactic materials we say them when and for which purpose to our application looking separately to groups separate we go out This we use didactic tools in the application and preparation of materials . For example, posters, slides, photographs, audio, television and video materials, materials based on information technologies, etc. In turn, we classify tools according to their structure, principle of operation and didactic capabilities. From this come came out without we training during one how many kind of didactic materials we use of this for belongs to didactic from tools we use These are and together that's it training for Created didactic tools complex is considered

Above to those cited depends without electron textbook simple (paper) from the textbook according to "slightly higher intelligence" It is necessary to have, because the computer is a teacher's activity several aspects (consulting when necessary and in the right place, strengthening acquired knowledge help to give and etc.) imitation to do opportunity have

As a result of the research conducted by us, the science of technology modern electronic in teaching education resources education in the process efficient use possibilities learned, scientific

recommendations work will be released and technology sciences in teaching electron use of textbooks methods work come out in practice is introduced.

Technology from the sciences e- learning of manuals known part structure professional pedagogy requirements, of students their independent work with the textbook knowledge and skills objective suitable for assessment .

Summary by doing modern educational and didactic means of education in the process effective use opportunities to encourage students to be active and think critically, not limited to providing only theoretical information, providing practical training, projects, exercises and assignments, student own knowledge himself assessment for tests availability, independent create in education, educational material should be directed to specific goals and tasks.

Modern education requirements based on created textbook teaching efficiency increases, ensures the systematization of students' knowledge, develops their creative abilities and increases their interest in the profession.

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