



EFFECTIVITY OF TEACHING SPECIAL SUBJECTS IN ENGINEERING EDUCATION ON THE BASIS OF MODERN APPROACHES

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ANNOTATION

The article focuses on the interrelationships of components such as mastery, disassembly, repetition and consolidation for modern lessons, acquisition of new learning material and control of previously learned in relation to its practical application. answers to questions such as what education is, the difference between traditional education and modern education. Students' independent work is organized not only in the stages of repetition and consolidation, but also in the process of learning new material, thereby establishing a strong link between teaching and learning, the team work of the class and the individual work of the student enhancements and opportunities are highlighted.

KEYWORDS: socially active, innovations, interactive, competent, didactic, motivational, space learning, virtual learning.

Annotatsiya: Maqolada asosan zamonaviy darslar uchun o'zlashtirish, qismlarga ajratish, takrorlash va mustahkamlash, yangi o'quv materialini egallash hamda uni amaliy jihatdan qo'llash bilan bog'liq ravishda oldin o'rganilganlarni nazorat etish kabi tarkibiy qismlarning o'zaro bog'liqliklari zamonaviy ta'lim nima, an'anaviy ta'limning zamonaviy ta'limdan farqi kabi savollarga javoblar keltirilgan. Talabalarning mustaqil ishlari faqatgina takrorlash va mustahkamlash bosqichlaridagina emas, balki yangi materialni o'rganish davomidayoq tashkil etiladi, bu orqali o'qitish bilan o'rganish orasida, sinifning jamoaviy ishi bilan o'quvchining individual (yakka holdagi) ishi orasidagi mustahkam bog'liqlik amalga oshirilishi va imkoniyatlari yoritilgan.

Kalit sozlar: ijtimoiy faol, proyektor, interaktiv, kompetent, didaktik, motivatsiya, kosmik o'rganish, virtual ta'lim.

INTRODUCTION

Resolution of the President of the Republic of Uzbekistan Shavkat Mirziyoyev dated 20.04.2017 2909 "Measures for further development of the higher education system" was published. This decree provides for the establishment of close cooperation with the world's leading scientific and educational institutions in the field of higher education, the introduction of advanced foreign experience in the educational process, in particular, promising teachers and scientists. Insufficient work is being done on internships and advanced training of personnel in

leading foreign scientific and educational institutions. Given the priorities of radical improvement of the higher education system, socio-economic development of the country, a radical overhaul of the content of training, creating the necessary conditions for the training of highly educated specialists in accordance with international standards.

Modernization of the education system, as in all spheres of life, remains one of the most pressing issues today. Creating an innovative educational environment, ensuring its full compliance with international standards is an important factor in



the successful socialization of our youth in today's rapidly changing social life. The implementation of the "National Program of Personnel Training" involves improving the structure and content of the system of continuing education on the basis of modern scientific achievements and social experience. To do this, first of all, it is necessary to provide the teaching process in all educational institutions with advanced, scientifically based modern methods. The purpose, tasks and content of educating the younger generation is one of the most pressing issues facing the system. We all deeply understand today that only young people who are educated on a modern basis, who can compete with their peers in the Manaman countries of the world, who are physically and spiritually fit, will be able to continue the work we have started and take it to a new level.

THE PURPOSE OF THE NATIONAL MODEL OF TRAINING

Its main components are:

- Person;
- State and society;
- Continuing education;
- Subject;
- Production.

Continuing education, which is one of the key elements of this national model, creates the necessary conditions for the formation of a creative, socially active, spiritually rich person and the rapid training of highly qualified competitive personnel.

A distinctive feature of the national model of training is the introduction of independent nine-year general secondary and three-year secondary special, higher education [1].

Requirements for teaching the subject of vocational education At present, the methodology of teaching special subjects in higher and educational institutions and universities, the use of new pedagogical and information technologies in the teaching process, teaching methods a number of remarkable works are being carried out on the problems of the minute. In particular, in order to improve the system of higher education and the introduction of modern pedagogical technologies in their educational process, seminars, scientific and practical conferences are held with the participation of leading specialists and qualified teachers of foreign countries.

What is Modern Education?

Modern education is the newest and most modern version of education taught in schools and educational institutions in the 21st century. Modern education focuses not only on well-known scientific disciplines of commerce, science, and the arts, but also on developing students' critical thinking, life

skills, teaching, analysis, and decision-making skills. Modern education also uses the latest technologies such as mobile apps, audio and video platforms such as YouTube, e-books, movies, etc. to make teaching and learning process more fun and exciting.

We all studied in a teacher-oriented classroom, where the teacher is the first, and the students sit in a beautiful order, listen to the lecture, and take notes. This system, to a certain extent, still formed a major part of our education system. Schools have relied on it for decades and have only recently undergone major changes. Living in the 21st century, technology has become an integral part of our daily lives. None of us can deny that this has led to a radical change in our world and, most importantly, the education system. These studies provide insights into how modern education systems and traditional teaching methods are changing.

The Main Objectives of Modern Education

- ✓ Develop important life skills, critical thinking, decision making skills and analytical skills in students.
- ✓ Facilitate a positive approach to diversity, inclusion, compassion and a sense of responsibility in students.
- ✓ To create a fun and exciting learning process.
- ✓ Introduce educational technologies to make the learning environment more experienced, with a focus on applying concepts in real life.
- ✓ Ensuring that education and training is accessible to any corner of the world through physical classes or online learning.
- ✓ Establish an equal relationship between teacher and student and increase students' curiosity by teaching them to ask and ask questions rather than the passive traditional approach [2].

For example: Modern Education in India

- ✓ The Indian education system is derived from the ancient oral education as well as the Gurukul education system which was modified by the British as formal education. Here are the main features of modern education in India:
- ✓ Modern education in India was introduced by the British colonialists in the 1830s and the English language was introduced in India by Lord Thomas Babington Macaulay.
- ✓ Although metaphysics and philosophy were previously studied at the University of Nalanda, the new modern education system brought by the British focused on scientific disciplines such as science and mathematics.
- ✓ After India was liberated from the British, basic education, especially at the age of 6-14,

became compulsory for schools built all over the country.

- ✓ In the 21st century, India's modern age education system is evolving from online education to skills development courses,

digital learning platforms, assessment systems, as well as a new approach to the use and introduction of learning technologies in the classroom.

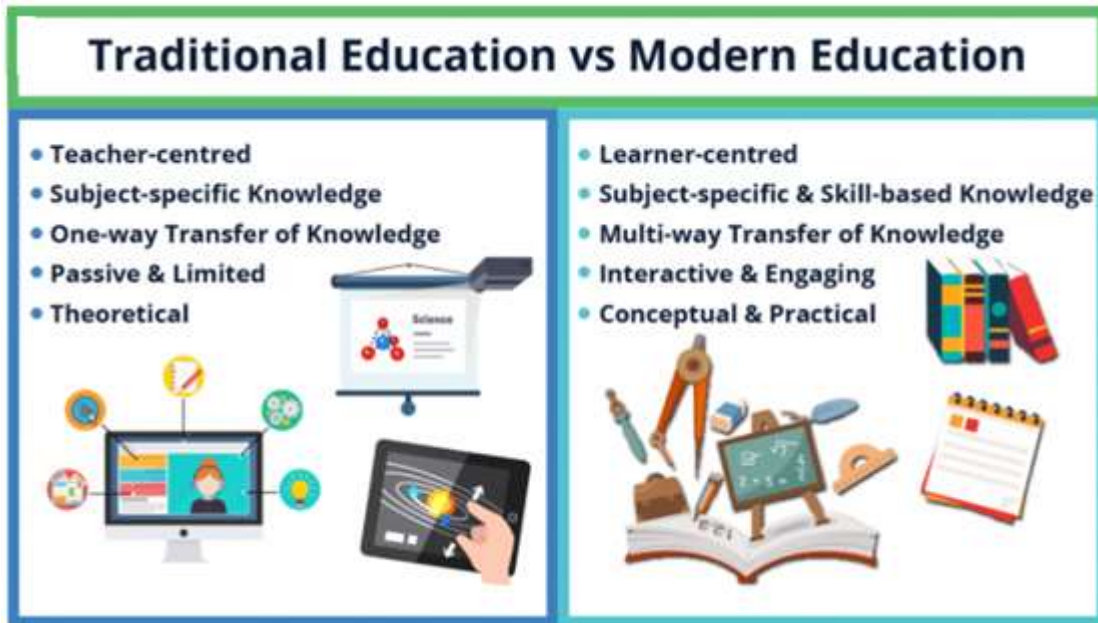


Figure 1. Notes on modern education

Teaching methods have changed significantly over the years. The traditional method of teaching mainly uses reading and memorization methods, while modern education includes interactive methods of effective reading.

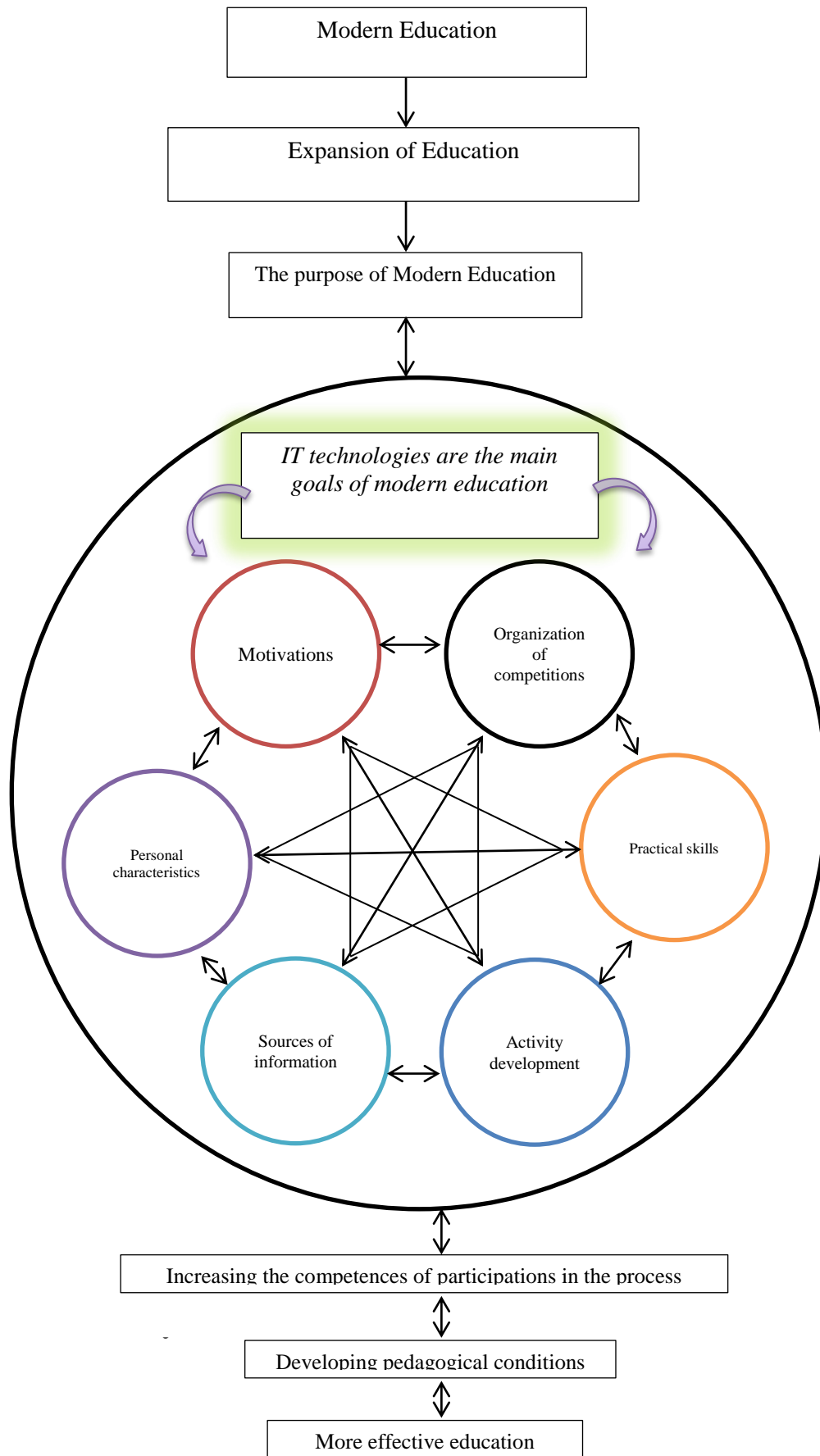
Why is Modern Education Important?

Modern education is radically different from traditional teaching methods and is widely used in schools today with a greater focus on science and technology. Progressive modern education focuses more on the needs of students than on thinking that all students are at the same level of understanding. It is based on an activity consisting of ways to answer questions, explain, demonstrate, and collaborate. BED is reflected in

the curriculum this form of education found is the introduction of a system for assessing imagination, creative thinking, and visualization. While traditional education has been a key element of assessment, modern education provides students with their own knowledge from a variety of disciplines and

He created an evaluation system that was the best way to give an overview of his concepts. With this advanced marking method, students get rid of the pressure of scores, and teachers also highlight areas where the student needs to work harder and can help the student perform better [3].

Figure 2. An Effective Model of Modern Education





O'qitish va o'qishga yondashuvdan tashqari, zamonaviy ta'limning yana bir o'ziga xos jihati - bu o'quvchilarning mavzu bo'yicha bilimlari miqdorini yo'q qilish uchun baholarni emas, balki ma'lum baholarni berishga yo'naltirilgan

Modern Education: Analyzes

Modern education involves a variety of teaching and learning methods, including the popular "space learning" that encourages students to quickly change classes. This is a training method in which the reduced training content is provided with a 10-minute break for physical activity. For example, students are given a 15-minute powerpoint presentation and then a 10-minute sports time. The purpose of this method is to improve their learning ability. Exercise is said to help brain cells make the connections they need to remember the course. It also has the added benefit of allowing people to relax [4].

Modern education will be interesting and interactive for students using various computer technologies, the Internet, projector presentations. It encourages students to engage in the real world, to analyze everything that is happening in different areas of life. Students are taken to relevant fields and fields where they witness the theoretical application of the concepts they have learned [5]. These methods help to improve the quality of education and increase student engagement.

Leadership Qualities in the field of Vocational Training - the history and prospects of development of the field of knowledge in the field of study; - have an idea of the role and importance of the subject in the educational process; - Law on Education; - On the goals and objectives set out in the "National Training Program"; - curriculum for the subject taught; - modern scientific and practical achievements of their science and related field; - Concepts, terms and definitions, laws, principles, methods and techniques of teaching; - Methodology of scientific and practical creativity;

Educational Quality Monitoring Technology. The technological approach is one of the stable directions of methodological research in modern pedagogy, and it determines the necessary stage of knowledge in the organization of pedagogical processes and the sequence of actions to be performed. Through its tools, the transition from the analysis of the elements of the pedagogical system to the design, adjustment and management of processes takes place. In a general sense, technology is seen as a way of organizing activities to achieve a goal.

Modern lessons are characterized by the interrelationships of components, such as mastering, breaking down, repeating, and consolidating, mastering new learning material, and controlling

what has already been learned in relation to its practical application. Students' independent work is organized not only in the stages of repetition and consolidation, but also in the process of learning new material, thereby creating a strong link between teaching and learning, the collective work of the class and the individual work of the student. [6,7]. The components of students' search activities are used not only in problem-based lessons, but also in some stages of all types of lessons (combined, control, etc.). Depending on how the didactic tasks are solved, some stages of the lesson construction process may be shortened and expanded, and the teaching methods and the role of different methods may change. Therefore, the structure of the modern lesson differs in a very diverse form, reflecting the managerial role of teachers and the specificity of the organization of students' cognitive activities.

A person's self-improvement competence is focused on spiritual, motivational, intellectual and practical self-development, volitional and emotional self-management. The student learns ways of working according to his / her personal interests and abilities, which helps him / her to develop personal and professional qualities, technical thinking, culture and behavior typical of a modern specialist. The development of a professional competitor is a creative development, the ability of the teacher to quickly adapt and manage changes in the environment, the ability to react quickly, the socio-economic and spiritual development of the process depends on the professional level of the teacher. changes in the modern system force the teacher to improve their skills and professionalism, which means that they have to increase their methodological competence [8,9]. The main purpose of modern education is the adaptation of society, the state, the individual to modern education, the education of a comprehensively developed person. In the formation of methodological competence of a teacher of vocational education, the pedagogical and technical-technological problem situation is recorded as a set of conditions that allow to create a pedagogical process. Pedagogical conditions not only create this process, but also determine its current state [10, 11]. The formation of methodological competence of a teacher of vocational education is carried out gradually, through the integration of pedagogical disciplines, ie didactic synthesis and the solution of pedagogical and problem-situational tasks in their activities at the level of interdisciplinary connection.

CONCLUSION

In this article, the research on further improving the quality of the education system, based on the development of science and technology, the demand and the current demands of the labor market on personnel, shows that the gradual abandonment of



traditional education and modern education. requires a transition. Changes in the modern education system force teachers to improve their skills and professionalism, which means that they have to increase their methodological competence. The main purpose of modern education is the adaptation of society, the state, the individual to modern education, the education of a comprehensively developed person. This means that a modern approach to education is the main task in educating the younger generation to be well-educated and talented. This article also provides analytical views on approaches to modern education.

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