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materiallar to'plami

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TECHNOLOGY IS AN IMPORTANT PART OF THE EVERYDAY LIFE OF MAN IN SOCIETY

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Abstract: It is clear that "education, science, research and innovation, information and digitization to be essential pillars of the knowledge-based society and economy". This statement also indicated support for strengthening of education focused on natural sciences and engineering. One of its main preconditions would be innovation of educational programs at different levels of the educational system in accordance with the requirements of pedagogical practice and in line with current needs of the labour market.

Key words: education, technical education, secondary school, educational standards, technology, labour market and technical education system.

Although not each of us is directly involved in production of technologies and production of technical products and equipment, everyday interaction with technology is unavoidable, whether as a consumer or user. This implies a clear conclusion that every human should be ready for the interaction with technology.

Therefore, we hold an opinion that technical education should become part of general education of each person and should start from an early age – at primary school. Primary schools should become the place where the young start to become aware and to perceive the world of technology which will accompany them in their future lives.

Why is it necessary to teach technical subjects?

The subjects Technology and Work Education are taught at primary schools, aimed at providing pupils with knowledge and skills in the technical area. They are the subjects which give teachers space to equip pupils with the skills in a creative school environment [1]. The subjects have integrated character. With proper teaching, they lead to the understanding of the link between theoretical subjects and technical products, found in real life. They are characterized by strong interdisciplinary bindings, connected to the history, science, biology, physics, mathematics and other areas.

The technical subjects support and develop creative thinking. In the teaching of these subjects, information-communication technologies may be maximally utilized and applied.

As an important part of human culture, technology has always been closely connected with the creative people's work activities. Man was, is and will be the main initiator of any technological innovations and changes that ever more intensively enter the professional and private lives of adults and children as well, and thus will always influence their attitudes, values, mental and physical health and lifestyle.

Evolution is significantly influenced by technological progress, which creates technically trained and educated individuals. Applying technical knowledge in practice

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is a prerequisite for a successful society. It is necessary to educate creative people and technology is a medium that makes it possible. Technical education is based on the recognition that technology paves the way for the present as well as the future of human existence [1].

Advantage of Technical education system

The technical education system offers several advantages that contribute to individual, societal, and economic development [2]. Some of the key advantages include:

1. **Skill Development:** Technical education focuses on practical skills and hands-on training. This equips students with the abilities needed to excel in various technical fields, such as engineering, manufacturing, healthcare, and information technology.
2. **Employability:** Graduates of technical education programs are often in high demand in the job market due to their specialized skills. They are better prepared to step into specific roles and contribute effectively from day one.
3. **Industry-Relevance:** Technical education is closely aligned with industry requirements. This ensures that graduates have the up-to-date skills and knowledge needed to meet the demands of rapidly evolving industries.
4. **Innovation:** Technical education encourages innovation and problem-solving. Students are taught to think critically and develop creative solutions to real-world challenges, which contributes to technological advancement.
5. **Hands-On Learning:** Technical education emphasizes hands-on learning through practical exercises, experiments, and projects. This type of learning enhances understanding and retention of concepts, leading to a deeper grasp of the subject matter.
6. **Career Opportunities:** Technical fields often offer a wide range of career opportunities. Graduates can pursue careers in various sectors, including engineering, healthcare, construction, manufacturing, telecommunications, and more.
7. **Higher Earning Potential:** Due to their specialized skills, technical education graduates often command higher salaries compared to those with a more general education. This can lead to improved financial stability and quality of life.
8. **Global Competitiveness:** A strong technical education system contributes to a nation's competitiveness on the global stage. Countries with skilled technical workforces are better positioned to attract investments and drive economic growth.
9. **Adaptability:** Technical education equips students with adaptable skills that can be transferred across industries and technologies. This flexibility is valuable in a rapidly changing job market.
10. **Hands-On Problem Solving:** Technical education encourages students to tackle real-world problems through practical applications of knowledge. This experience fosters a problem-solving mindset that can be applied to various contexts.

11. **Entrepreneurship:** Technical education can empower students to become entrepreneurs by providing them with the skills to develop, create, and market their own products or services.
12. **Contribution to Infrastructure Development:** Technical education is critical for the development of infrastructure projects such as transportation systems, energy networks, and communication systems. Skilled professionals are needed to plan, design, and implement these projects.

In summary, the technical education system plays a vital role in equipping individuals with practical skills, fostering innovation, driving economic growth, and addressing the demands of various industries. It prepares students to excel in specialized fields and empowers them to contribute meaningfully to their communities and the global workforce.

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