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# THE PHYSICS STUDY AT HIGHER SCHOOL IN THE CONTEXT OF THE FORMATION OF THE XXI CENTURY SKILLS

The purpose of the article is the prospection and theoretical analysis of the essence of skills and competences for successful activity in the XXI century, which should be formed during the study of physics at higher school.

The skills of the 21st century are closely linked to the competencies of students; they must provide the future specialists with the ability and willingness to apply the acquired knowledge and practical skills to real problems. This means mastery in civil society, awareness of the safe, productive, and responsible use of resources, interest and activity in international cooperation. Among the key competencies, the main place belongs to mathematical, information-digital, natural sciences and technological competencies. When studying physics at higher school, this primarily requires the creation of educational and methodological complexes aimed at understanding the modern physical picture of the world; the skills of the XXI century forming is impossible without the complexes use. The context of the XXI century skills has an undeniable influence on the physics study and requires the creation of educational environments in physics, aimed at forming a realistic scientific worldview of the future specialists.

European Commission experts on education emphasize that innovations need to ignite students’ imagination; it is necessary to bring new technologies to the classroom for this purpose. The teachers have to go beyond the basic competences of each discipline to promote understanding of academic content at the highest level through the integration of interdisciplinary themes. It is the approach that can form financial, economic, entrepreneurial, business, civil, environmental and health-saving competencies.

The physics education is not a formal learning of outdated facts; it has to serve the professional development and help students successfully use the opportunities existing in the modern world. The teachers must integrate the 21st century skills in the means and methods of learning.

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