

Project name, IIPH	IIPH AP09259450 - Scientific and methodological support for the implementation of the updated content of education on the subject "Physical education" in secondary schools of the Republic of Kazakhstan.
Period of implementation	01.03.2021-31.12.2023
Project supervisor	Botagariev Tulegen Amirzhanovich - Doctor of Pedagogical Sciences, Professor
Report	<p>The relevance of the topic of this project is due to the following reasons. At the present stage of education development in the Republic of Kazakhstan, programs of updated educational content have been introduced in all classes of secondary schools. This concept is a new direction for the education system, so there is a need to clarify its entire content from a theoretical standpoint. The validity of this is related to the following. Firstly, it is necessary to understand its need for the structure of education. Secondly, it is necessary to understand the main directions of the implementation of this concept in Kazakhstan and Russia. Thirdly, to understand the directions in which it is necessary to develop further implementation of this concept.</p> <p>The degree of physical performance and physical fitness of secondary school students in Aktobe will be investigated. The formation of the competence of solving problems, communicative and information competencies among physical education teachers; the degree of motivation of secondary school students to independently systematically perform staged tasks in the classroom on the subject "Physical education" according to the updated program of the content of education; the specifics of creative design of planning documents (long-term, medium-term, short-term) and their implementation in the educational process will be investigated in the project.</p> <p>The idea of the project is as follows. The concept of updated content of school education in the Republic of Kazakhstan has been introduced since 2017-2018 academic year. Nowadays, although teachers have been offered recommendations on the implementation of its elements, in our opinion, scientific and methodological support for the implementation of this mechanism is still insufficiently implemented. Physical education teachers and schoolchildren need a specific vision from a scientific and methodological point of view of the implemented elements and the expected results from their implementation. Therefore, based on the study of the implementation the components of the updated content the school education on the subject of "Physical education", we will try to identify the shortcomings present here and develop a scientific and methodological support for its elements with argumentation of their optimality.</p>
Purpose	The project goal is to develop scientific and methodological ensuring the implementation of the updated school education content on the subject "Physical education" in secondary schools of the Republic of Kazakhstan.
The expected results	<ul style="list-style-type: none"> • The problems of improving the scientific and methodological support for the implementation of the updated content of school education on the subject of "Physical education" will be identified; • Computer program will be developed to determine the level of physical performance and physical fitness of secondary school students;

	<ul style="list-style-type: none"> • The initial degree of physical performance and physical fitness of secondary school students in Aktobe; degree of formation the competence of solving problems, communicative and informational competencies of physical education teachers; degree of formation of motivation in secondary school students to independently perform systematic tasks in the classroom on the subject of "Physical education" according to the updated program of educational content; the specifics of the creative design of planning documents (long-term, medium-term, short-term) and their implementation in the educational process; specific features of the implementation of criteria-based assessment of secondary school students in Aktobe will be defined. • Scientific and methodological support for the implementation of the updated content of school education on the subject of "Physical education" in secondary classes and mathematical proof of its effectiveness will be developed.
Achieve d results	<p>The problems of improving the scientific and methodological support for the implementation of the updated content of school education on the subject of "Physical education" are outlined. The ways of mutually dependent influence of the software and content support of physical education in Kazakhstan and Russia on each other have been identified; a computer program has been developed to determine the level of physical performance and physical fitness of schoolchildren. The initial degree of physical working capacity and physical fitness of middle school students has been determined. It was found that the values of these indicators are higher in schoolchildren engaged in sports than in non-students. It was stated that the majority of young men belong to the group below the average and average degree of development, and most of the girls were assigned to groups of low and below average development. The students were found to have increased correlation coefficients between the values of cross-country skiing; running 60 meters; long jump with a running start and PWC170.</p> <p>Statistical indicators of the values of physical performance and physical fitness of schoolchildren are determined. Among the revealed correlation patterns, the following can be distinguished. In girls of grades 5 and 9, a similar positive correlation was found between the power of the second load and skiing. According to the inverse relationship, such a trend was found between the PWC170 and the long jump from a place, running on skis. In young men, a direct relationship was found between the power of the first load and pulling up on the crossbar, and no negative relationship was found.</p> <p>The initial degree of competence formation among physical education teachers has been revealed. The lowest level of competence of physical education teachers was observed in the components of its activity in the conditions of the updated content of education, namely in setting goals and objectives; implementation of teaching methods; formation of the components of the program; student assessment; the disclosure of mental abilities.</p> <p>According to the levels of motivation of students, the following patterns have been identified. The majority of respondents revealed a negative attitude and low motivation to physical education classes. A third of respondents expressed a positive attitude to physical culture. The lowest values of students' motivation were observed for its good and high levels.</p>
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<p>List of publications in scientific journals</p>	<p>1. Ботагариев Т., Кубиева С., Мамбетов Н. Теоретические аспекты взаимосвязи физической подготовленности и физического развития школьников средних классов// Взаємодія духовного й фізичного виховання в становленні гармонійно розвиненої особистості. Збірник статей за матеріалами //VIII Міжнародної науково-практичної онлайн-конференції (Слов'янськ-Краматорськ, 25-26 березня 2021 р.); за ред. проф. В.М. Пристинського, Т.М. Пристинської. Слов'янськ, 2021. 490 с. 50 електрон. опт. дисків (CD-R).- С. 84-89 https://ddpu.edu.ua/index.php/navihatsiia-3/nauka-ta-inovatsii/konferentsii/3288-y</p> <p>2. Ботагариев Т.А., Кубиева С.С., Габдуллин А.Б., Сайтбеков Н.Д., Хакимова З.А. Теоретические аспекты совершенствования реализации обновленного содержания образования по предмету «Физическая культура»// Теория и методика физической культуры. №2 (64) 2021. – С. 20-28 http://46.34.130.122/index.php/tmfk</p>