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CLIMATE FACTORS AND THEIR INFLUENCE ON THE ORGANIZATION OF PHYSICAL EDUCATION

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A R T I C L E I N F O.

Keywords: Climate characteristics, physical education, physiological and psychological condition of students, heat, dehydration, physical endurance, climate factors.

Annotation

This article focuses on the organization and forms of physical training in different climatic conditions. Analyzing the effect of climate on the physiological and psychological condition of students, the article describes measures to be taken against it.

Familiarity with climate characteristics and their place in physical education is an important step in understanding the conditions in which classes are held and developing effective methods. It is necessary to consider the climatic characteristics of the area where physical education is organized to determine the main factors that can affect the conduct of training.

Climate characteristics such as temperature, humidity, wind and light levels can vary significantly in different regions. These indicators directly affect the physiological and psychological state of students during physical activity.

For example, high temperatures can lead to the risk of overheating, dehydration and reduced physical endurance. Air humidity can cause additional difficulties in the body's heat exchange. Wind can affect temperature perception and activity safety. Lighting plays a role in the safety and effectiveness of exercise.

Analysis of the impact of climate on the physiological and psychological state of students helps to identify potential risks and problems faced by students in certain climate conditions. This allows us to develop methods adapted to these factors and ensure safe and effective physical education in specific climates. This approach helps to maximally adapt lessons to local climatic conditions, increase the effectiveness of physical education and ensure the safety of students.

Climatic factors play an important role in the organization and conduct of physical training, affect optimal training conditions and the general well-being of students. Air temperature, which is one of the main climate parameters, can vary significantly in different periods of the year and in different regions. High temperatures can cause a number of challenges, including the risk of overheating and dehydration, which can significantly affect physical performance and endurance.

Air humidity is also an important factor in physical activity. High humidity can make the heat regime difficult for the body and worsen heat transfer processes. This can affect students' comfort and ability to

perform exercises effectively.

Wind is an additional climate factor that can affect outdoor activity. Strong winds can make some exercises difficult and can also affect your perception of temperature.

Lighting also plays an important role during training, especially in open spaces. Poor lighting can make it difficult to exercise in the evening or in the morning, and also increases the risk of injury due to poor vision.

All these climatic factors should be taken into account when planning and organizing physical activity. Adapting teaching methods, taking into account climatic conditions and ensuring the safety and comfort of students in different climates is an important component of successful physical education.

Adaptation of physical education methods to climate conditions is an important aspect of ensuring the effectiveness and safety of classes, especially in conditions of rising temperatures.

Developing adapted curricula is a key step in climate consideration. This includes determining the optimal intensity and duration of training, taking into account the effect of high temperature on the physiology of students. Training programs can be structured to allow for more intense training during cooler periods of the day.

It is also an important point to introduce pedagogical methods that help to conduct classes comfortably in hot periods. This includes keeping classes in the shade, ensuring that students have enough water to keep them hydrated, and taking individual students into account when choosing exercise and intensity.

Analyzing safety measures for exercise in elevated temperatures involves studying possible risks and developing appropriate measures to prevent them. This can include regular rest breaks, student health checks and training staff and students on how to stay safe in hot conditions.

Adaptation of physical education methods to climate conditions requires a comprehensive approach, including scientific substantiation of training programs, pedagogical innovations to create a comfortable learning environment, and strict prevention of possible risks when training in high temperature conditions. requires security measures.

The relationship between climate factors and student health is an important aspect that requires careful study and evaluation. Studying the impact of climate on the physical health of students allows us to determine the positive and negative aspects of the impact of climate conditions on children's bodies.

Assessing the risks and potential problems associated with physical activity in a specific climate includes analyzing potential risks such as overheating, dehydration, and other illnesses related to exposure to temperature, humidity, and other climatic factors. This assessment is necessary to develop appropriate precautions and recommendations to ensure the safety of students in different climate zones.

Developing recommendations for student health care in different climate zones means creating approaches and strategies that take into account the unique climate of each region. These recommendations may include action plans to prevent climate-related problems, as well as recommendations for maintaining optimal physical condition of students in this environment.

Studying the relationship between climate factors and student health is necessary to develop targeted strategies to maintain and improve the physical health of schoolchildren in different climates.

Professional training of teachers to work in different climatic conditions is an integral part of ensuring high quality and safe physical education of students.

The development of vocational training programs includes taking into account the characteristics of working in different climates. This includes the study of climatic factors and their impact on the physiology and psychology of students, as well as the development of methods aimed at adapting

classrooms to specific climatic conditions. Curricula may also include teaching methods aimed at maintaining a comfortable and safe learning environment.

An important step is to conduct training and seminars on improving the skills of teachers on adaptation of lessons to climate conditions. Through these events, teachers can share experiences, learn best practices, and develop strategies to work effectively in different climates. Such trainings help to form the professional experience of teachers and their readiness for different climatic conditions.

Evaluating the effectiveness of teacher training and professional development plays an important role in the regular improvement of methods and educational programs. This includes analyzing learning outcomes, adjusting programs in response to teacher and student feedback, changing climates, and advanced scientific and pedagogical developments.

Professional training of teachers to work in different climatic conditions is a complex and systematic approach aimed at creating conditions for high-quality and safe physical education of students.

In conclusion, we can note the main conclusions on the influence of climatic factors on the organization of physical education. This includes recognizing the importance of adapting teaching methods and approaches to the climate. A critical analysis of the effects of climate on the physiological and psychological well-being of students may also indicate the need for individualized approaches to learning and classroom management in different climates. A summary of key findings highlights the importance of developing tailored physical education programs that take into account the climatic characteristics of the region. This includes not only the physical, but also the psychological aspect of preparing students to provide optimal conditions for learning and the most effective results. Moving on to the next section, dealing with the practical application of adapted techniques in hot climates, means moving from theoretical conclusions to their practical application. At this stage of the research, attention will be paid to how the developed methods can be implemented in real physical education conditions for students in hot climates. It provides specific guidance and tools for teachers to successfully adapt their work to specific climates and provide effective learning experiences for students.

References

1. Xripkova A.G., Antropova M.V. Adaptatsiya organizma uchaxnitsya uchebnoy fizicheskoy nagruzkam. M.Prosvihenie. 2002
2. Salomov R.S. Sport mashg'ulotning nazariy asoslari – Toshkent, O'quv qo'llanma O'zDJTI, 2005 yil
3. Bobomurodov A.E. "Jismoniy tarbiya, sport nazariyasi va uslubiyati" (Jismoniy sifatlarning umumiy tavsifi). O'quv qo'llanma. T.-2020.
4. D.X.Umarov "Jismoniy mashqlar biomexanikasi" Toshkent. 2017 y.
5. Бегимкулов, О. Ж. (2019). Вопросы организации сетевого взаимодействия как всей системы непрерывного образования в целом. *Мир педагогики и психологии*, (10), 22-28.
6. Турсунов, С. Пардаев, Т. & Бегимкулов, О. (2015). Узбекская национальная борьба: история и традиции (на узбекском языке). *Термез.«Сурхоннашр*, *34*.
7. Jurayevich, B. O. (2023). Ways to Develop Education for Obtaining General Physical Qualities of Young Wrestlers through Action Games. *Indonesian Journal of Multidiciplinary Research*, *3*(1), 153-158.
8. Daminov, I. A. (2022). UMUM TA'LIM MAKTAB O 'QUVCHILARIDA SOG 'LOM TURMUSH TARZINI SHAKLLANTIRISHNING MUHIM TOMONLARI. Academic research in educational sciences, 3(7), 28-34

9. Ashiraliyevich, D. I. (2022). Solving situations in tactical training in martial arts on the example of judo. Modern Journal of Social Sciences and Humanities, 4, 160-163.
10. Салимов, У. Ш. (2019). Особенности организации разных видов занятий по физической культуре для старшего дошкольного возраста. *Вопросы педагогики*, (4-1), 130-133.
11. Urolovich, B. C. (2024). Using the Game in Teaching Physical Exercises to Primary Class Students. Best Journal of Innovation in Science, Research and Development, 3(3), 780-783.
12. Esanova, G. (2023). O ‘ZBEKISTONDA AYOLLAR FUTBOLI TARIXI VA ISTIQBOLLARI. “Science Shine" International scientific journal, 3(3).
13. Urolovich, B. C. (2023). Pedagogical Principles of Using Activity and National Games in the Physical Education of Student Girls. Best Journal of Innovation in Science, Research and Development, 2(12), 575-579.
14. Elmurod, E., & Urolovich, B. C. (2023). Factors Developing Professional Pedagogical Creativity Of Future Physical Education Teachers. Iqro Jurnali, 2(1), 293-297.
15. Khudaimuratovich, D. S. (2023). POSSIBILITIES OF USING ACTION GAMES IN FORMING THE PHYSICAL CULTURE OF 11-13-YEAR-OLD SCHOOL STUDENTS. Best Journal of Innovation in Science, Research and Development, 191-195.
16. Boyboriyevna, E. G. (2023). Developing the Physical Qualities of Young Football Players outside the Class and preparing them for Competitions. American Journal of Public Diplomacy and International Studies (2993-2157), 1(10), 257-260.
17. Egamberdi, K. (2023). Use of Special Exercises in Improving the Special Physical Fitness of Basketball Players. Best Journal of Innovation in Science, Research and Development, 2(10), 651-655.
18. Rakhimova, Z., & Jurayeva, S. (2023). THEORETICAL FOUNDATIONS OF THE USE OF SPECIAL ACTING GAMES FOR THE DEVELOPMENT OF OPERATIONAL EFFORTS IN YOUNG WRESTLER GIRLS. *Theoretical aspects in the formation of pedagogical sciences*, *2*(7), 99-102.
19. Shaydullayevich, S. U. (2022). Spécial course" non-traditional methods of a healthy lifestyle" as a means of forming a healthy lifestyle and physical activity of students. *Berlin Studies Transnational Journal of Science and Humanities*, *2*(1.5 Pedagogical sciences).
20. Zarina, R. (2023). PATRIOTIC EDUCATION OF DISABLED STUDENTS THROUGH PHYSICAL EDUCATION AND SPORTS. *Best Journal of Innovation in Science, Research and Development*, 304-307.
21. Rustamovich, A. I., Azizjon o‘g‘li, A. S., & Hayotbek o‘g‘li, N. I. (2024). MASOFAVIY TA’LIM VA UNI TASHKIL ETISH ASOSLARI. *World scientific research journal*, *27*(1), 165-170.
22. Urolovich, B. C. (2024). THE ROLE OF DIDACTIC GAMES IN PERSONALITY FORMATION OF PRIMARY CLASS STUDENTS. *Miasto Przyszłości*, *48*, 1484-1490.
23. Urolovich, B. C. (2023). Pedagogical Principles of Using Activity and National Games in the Physical Education of Student Girls. *Best Journal of Innovation in Science, Research and Development*, *2*(12), 575-579.
24. Shakhboz, A. (2024). A REVOLUTION IN PHYSICAL EDUCATION AND SPORTS: THE EFFECTIVENESS OF ARTIFICIAL INTELLIGENCE. *Miasto Przyszłości*, *48*, 1442-1445.

25. Abduraimov, S., & Allayorov, A. (2023). INSON SALOMATLIGIDA JISMONIY TARBIYA VA SPORTNING O ‘RNINI KOMPLEKS TAHLIL QILISH. Solution of social problems in management and economy, 2(13), 173-176.