

EFFECTIVENESS OF SCHOOL-BASED PHYSICAL EDUCATION PROGRAMS: A CRITICAL ANALYSIS

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ABSTRACT: Physical education is distinctive within the school curriculum, being the only program that enables students to learn motor skills, improve fitness, and understand physical activity. The physical education program is where students discover the myriad benefits of engaging in physical activity, as well as the skills and knowledge required to safely and enjoyably incorporate physical activity into their lives. This study offers a critical review of the benefits of various physical education programs present in the school curriculum.

KEYWORDS: Elementary, middle, and high school students, physical education curriculum

INTRODUCTION: Physical education is essential in fostering the holistic development of students. Research underscores the significance of movement in nurturing both the mind and body. It directly contributes to the enhancement of physical skills and overall fitness. Additionally, physical education empowers students to make informed decisions and appreciate the importance of maintaining an active lifestyle. The advantages of physical education can influence both academic performance and the physical activity habits of students. A healthy and active student is more inclined to be motivated, alert, and successful in their academic pursuits.

During the preschool and primary years, engaging in active play is positively correlated with the development of motor skills and cognitive abilities. As children transition into adolescence, regular physical activity can foster a positive self-image and enhance their capacity to tackle intellectual, social, and emotional challenges. Throughout their educational journey, high-quality physical education can cultivate social skills, cooperation, and problem-solving abilities. Implementing effective physical education programs in schools across the nation is vital for developing motor skills, promoting physical fitness, and instilling concepts that encourage lifelong healthy habits.

The objective of this study is to assess various physical education programs implemented in schools across different student groups.

THE SIGNIFICANCE OF PHYSICAL EDUCATION: A sound body is often associated with a sound mind. Observing children at play in a playground reveals their joy when they are active and enjoying themselves. Whether engaging in casual play, competitive sports, or simply having fun, the activity is beneficial.

However, contemporary education primarily emphasizes subjects such as mathematics and reading. This approach necessitates a reevaluation to ensure that students develop a strong sense of health. This encompasses physical, social, and mental development. While parents have been urging their children to excel academically, this has often come at the cost of their health and physical well-being, given the increased emphasis on academics and rapid advancements in science and technology.

Research published in the British Journal of Sports Medicine indicates that levels of physical activity may begin to decline as early as age seven. As children grow older, it may become increasingly challenging for them to engage in regular exercise. It is essential to cultivate a culture of play among students from a young age, ensuring it remains with them throughout their lives. Collaboration between parents and schools is crucial in this endeavor. Parents and educational institutions should unite to encourage children to participate in sports. With the rising number of children attending school, it is more critical than ever to establish a solid foundation and enhance physical education and sports within educational settings. This requires the integration of physical education, sports, and other recreational activities in schools, supported by parental involvement, to foster a healthy generation.

PHYSICAL ADVANTAGES: Physical education stands out within the school curriculum as the sole program that offers students the chance to acquire motor skills, enhance fitness, and comprehend the significance of physical activity. The physical advantages derived from engaging in physical activity encompass: disease prevention, safety and injury avoidance, reduced morbidity and premature mortality, along with improved mental health. The physical education program serves as the environment where students discover all the benefits associated with being physically active, as well as the skills and knowledge necessary to integrate safe and enjoyable physical activity into their daily lives.

PHYSICAL BENEFITS OF ELEMENTARY SCHOOL STUDENTS: The physical benefits for elementary school students are significant.

- In the early grades, the physical education curriculum focuses on cultivating essential locomotors, non-locomotors, and manipulative skills through key areas such as educational games, dance, and gymnastics.
- 2. The movement framework, which includes body, space, effort, and relationship, constitutes a core component and serves as the foundation for developing, enhancing, and refining children's motor skills and spatial awareness.
- Effective instruction from physical education professionals is vital for children to acquire fundamental motor patterns, including jumping, throwing, skipping, hopping, catching, and kicking.
- The foundational motor skills developed during elementary school can positively influence children's social, cognitive, and physical growth, thereby increasing their likelihood of sustained interest and engagement in physical activities. Fitness during these formative years is bolstered by diverse experiences in various basic movement forms.

THE PHYSICAL WELL-BEING OF MIDDLE SCHOOL STUDENTS:

- The middle school student is poised to engage in a diverse range of fundamental movement applications, which encompass traditional sports, adventure activities (such as rock climbing, ropes courses, kayaking, and skiing), as well as leisure-oriented pursuits (including rollerblading, biking, and dance).
- This stage is crucial as students are able to refine, combine, and apply various sport-related and lifelong skills. They may also seek afterschool programs that offer specialized or competitive physical activities.
- The rapid growth experienced during the pre-adolescent years can influence students' interests, choices, and activity patterns. Consequently, physical education programs are designed to provide a variety of activities that cater to and broaden student interests. The development of fitness becomes more structured, allowing students to focus on specific fitness components, establish goals, and evaluate their personal fitness levels.

THE PHYSICAL ADVANTAGES FOR HIGH SCHOOL STUDENTS: High school students grow progressively more independent as their daily routines become more intricate and varied. They start to make decisions and take on greater responsibility for themselves. Effective physical education programs in high school equip students with both conceptual and practical knowledge regarding:

- Health-related physical fitness.
- Methods to sustain a health-related level of physical fitness. Physical education is crucial in assisting high school students in developing and honing the skills and knowledge necessary to choose physical activities that they can engage in throughout their lives.

COGNITIVE ADVANTAGES:

- Children acquire knowledge through various modalities (e.g., visual, auditory, tactile, physical). Instruction of academic concepts via the physical modality may enhance children's kinesthetic intelligence.
- Academic concepts hold greater significance for children when they are taught across the three domains of learning: cognitive, affective, and psychomotor. A deeper understanding and relevance can be attained when the subject matter is connected to each learning domain.
- Studies have shown that children who participate in daily physical education exhibit superior motor fitness, improved academic performance, and a more positive attitude towards school compared to those who do not engage in daily physical education.
- Learning experiences in physical education also provide a distinctive opportunity for problem-solving, self-expression, social interaction, and conflict resolution.

COGNITIVE ADVANTAGES FOR ELEMENTARY SCHOOL STUDENTS

- Studies indicate that young children learn best through active involvement with their surroundings. Elementary school students gain knowledge by physically exploring their environment.
- Physical education can offer children vital learning experiences that are crucial for developing mental frameworks (i.e., cognitive patterns or systems that illustrate how individuals perceive the world; foundational elements of thought).
- By engaging physically with their surroundings, children create more effective cognitive frameworks.
- High-quality physical education programs promote movement exploration in diverse contexts, thereby enhancing knowledge acquisition.

COGNITIVE ADVANTAGES FOR MIDDLE SCHOOL STUDENTS

- Middle school students possess a profound curiosity, favoring active learning over passive methods, and they strongly prefer engaging with their peers during educational activities.
- Early adolescents demonstrate a keen desire to acquire knowledge that they deem practical. They take pleasure in applying their skills to address real-world challenges.
- High-quality physical education programs serve as a platform for middle school students to enhance and broaden their array of physical skills.
- Research indicates that students experience fewer absences due to illness and achieve higher academic success as a result of the physical vitality gained through physical education.

HIGH SCHOOL:

- During their high school years, students ought to be provided with more comprehensive learning opportunities to grasp the mechanical, physiological, and social-psychological dimensions of physical activity.
- High school students' increasing capacity to compare and contrast, analyze, and synthesize information allows them to apply movement principles in innovative and significant ways.
- Students can gain a deeper understanding of the role of physical activity in preventive health and evaluate the advantages and disadvantages of various forms of physical activity for lifelong health.

AFFECTIVE BENEFITS:

- Physical competence fosters self-esteem.
- High-quality physical education programs promote the development of both competence and confidence in executing motor skills.
- Attitudes, habits, and perceptions are essential prerequisites for sustained participation in physical activity.
- Adequate levels of health-related fitness improve feelings of well-being and efficacy.

EMOTIONAL ADVANTAGES FOR ELEMENTARY SCHOOL STUDENTS:

- The implementation of high-quality physical education programs can enhance the self-esteem of elementary school children.
- Active children are likely to experience increased social success and foster positive relationships with their peers.

- It is essential for children to have numerous opportunities to feel a sense of success and achievement in physical activity environments.

THE EMOTIONAL ADVANTAGES FOR MIDDLE SCHOOL STUDENTS:

- High-quality physical education programs in middle schools offer students distinct opportunities to showcase their leadership, socialization, and goal-setting abilities. Participation in physical activities has consistently been linked to improvements in mood, self-esteem, and other measures of psychological well-being during early adolescence.
- At this developmental stage, student preferences become more defined, and these preferences significantly impact their motivation to engage in physical activities.
- A child's sense of perceived competence also plays a crucial role in influencing their future participation and self-esteem. Despite the physiological changes that occur during this period, students typically exhibit a willingness to collaborate towards shared objectives, driven by a strong desire for peer acceptance.
- The allure of risk-taking encourages students to embrace the challenge of establishing and achieving personal goals.
- Physical education programs possess a unique opportunity to create learning experiences that bolster the self-esteem of middle school students.

EMOTIONAL ADVANTAGES FOR HIGH SCHOOL STUDENTS:

- At this stage of development, students start to choose activities that align more closely with their personal interests. Other elements influencing students' decisions regarding physical activities may include their health-related fitness levels, body types, geographical locations, and socio-economic backgrounds or peer groups.
- Physical education programs should continue to promote students' fitness growth and provide a diverse range of activities for them to choose from.
- Attitudes, habits, and perceptions are essential prerequisites for sustained engagement in physical activities. To assist students in achieving self-fulfillment through physical activity, the physical education curriculum can steer student choices and encourage them to take initiative in selecting activities that bring them satisfaction.

- The significance of commitment and dedication in attaining success can be highlighted within physical education.
- Physical activity habits and preferences are not fixed; rather, they are constantly evolving throughout an individual's life.
- High school represents a crucial period when students can form habits and attitudes regarding the role of physical activity in their lives. This is an opportune time for students to investigate their preferences concerning physical activity and potentially specialize based on their abilities and interests.

PHYSICAL ACTIVITY IMPROVES THE QUALITY OF LIFE:

- Engaging in regular physical activity enhances functional capabilities and reduces disability during middle and later stages of adulthood.
- Participation in physical activity positively impacts quality of life, mental well-being, and the capacity to fulfill physical work requirements.
- Physical education can act as a means to assist students in acquiring the knowledge, attitudes, motor skills, behavioral skills, and confidence necessary for adopting and sustaining active lifestyles.
- The benefits of a high-quality physical education program encompass the enhancement of students' physical abilities, health-related fitness, self-esteem, and overall enjoyment of physical activities. These benefits empower students to make informed decisions regarding a physically active lifestyle.
- In their formative years, children find joy in movement experiences and encounter challenges and satisfaction as they perceive an improvement in their movement skills. Research indicates that the level of engagement, skill proficiency, and variety of activities mastered during childhood significantly affect the likelihood of continued participation in physical activity in adulthood.

THE SIGNIFICANCE OF PHYSICAL EDUCATION IN CONTEMPORARY SOCIETY: Students in both primary and secondary educational institutions gain a variety of personal and social competencies, including interpersonal skills, respectfulness, problem-solving abilities, and leadership qualities, as well as a sense of empathy towards others. Possessing these personal and social skills enhances children's learning capabilities and facilitates a smoother transition into adulthood (Wright and Craig, 2011). Research conducted by Weiss (2011) indicates that participation in physical education (PE) and sports

can aid children in cultivating these essential skills (e.g., Holt et al., 2011). Recently, there has been considerable discussion regarding the role of physical education in assisting young individuals in navigating the challenges and pressures of daily life (Society of Health and Physical Educators, 2014). Hardman et al. (2014) noted that personal and social development is a primary and prevalent objective of European PE programs, as revealed in a global survey of PE initiatives worldwide. Furthermore, involvement in sports has been associated with both personal and social development (Gould and Carson, 2008). It appears that fostering personal and social skills is a universal aim of PE and sports; however, the existing literature on this topic varies significantly in terms of language, methodologies employed, and the conclusions drawn.

CONCLUSION: During early adolescence, engaging in physical activity offers significant opportunities for challenges, social interaction, group affiliation, and ongoing personal development in physical skills. For high school students, participation in physical activities continues to deliver enjoyment and challenges as they seek out activities that align with their individual interests. A thorough and effectively executed physical education program is a vital element of the overall education of students. It equips them to sustain healthy, active lifestyles and partake in enjoyable and meaningful leisure activities.

REFERENCES:

- Keays J, Allison R. The effects of regular moderate to vigorous physical activity on student outcomes: A review. *Canadian Journal of Public Health*, 1995; 86:62- 66.1.
- Egged P, Kauchak D. *Educational psychology: A window on classrooms* (4th Ed.). Upper Saddle River, NJ: Prentice-Hall, Inc. 1999
- Holt, NL, Kingsley, BC, Tink, LN, et al. (2011) Benefits and challenges associated with sport participation by children and parents from low-income families. *Psychology of Sport and Exercise* 12(5): 490–499.
- Wright, PM, Craig, MW (2011) Tool for assessing responsibility-based education (TARE): Instrument development, content validity, and inter-rater reliability. *Measurement in Physical Education and Exercise Science* 15(3): 204–219.
- Weiss, MR (2011) teach the children well: A holistic approach to developing psychosocial and behavioral competencies through physical education. *Quest* 63(1): 55–65.
- Hardman, K, Murphy, C, Routen, A, et al. (2014) *World-Wide Survey of School Physical Education. Final Report 2013*. Paris: UNESCO.