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Need and importance of physical education for school students

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Abstract

Physical education fosters personal and community wellness by empowering students to attain healthy, lifelong attitudes and behaviors through physical activity as part of the total educational experience. It promotes a physically active lifestyle;

- Is a link to good health;
- Is a preventive measure against disease;
- Is a program for muscle strength and fitness;
- Promotes academic learning;
- Builds self-esteem; and

The purpose of physical education is to instill in students, at an early age, the value of self-preservation and choosing a lifestyle that is good for both the mind and body. Most physical education programs are holistic. This paper primarily aims to —give an insight into the health benefits of physical education programs for students within the school system. The paper concludes that by addressing the quality, quantity and intensity of physical education across the country (the educational as well as the activity component), policymakers will maximize children's potential for a lifetime.

Keywords: physical education, school, students, active living, health, program, education, and strategies

Introduction

Quality, daily physical education in the nation's schools is an important part of a student's comprehensive, well-rounded education program and a means of positively impacting life-long health and well-being. The optimal physical education program will foster a lifetime commitment to physical activity as part of a healthy lifestyle. Ultimately, improved coordinated school health programs, of which physical education is a central component, will augment other prevention efforts and help to reverse the growing epidemic of childhood obesity which threatens to undo decades of progress in the fight against cardiovascular disease. Effective efforts made now will help children avoid a lifetime of chronic disease and disability. Physical education develops the students' motor skills and hand-eye coordination. Physical health allows students to function even better in classrooms. This circulation produces longer attention span during classes allowing longer concentration and absorption. It is because of the self-discipline and dedication to excel in a sport that brings out the best in students.

In school, the physical education program introduces these sport activities to students, allowing them to make choices to which sport areas they want to get involved in. This paper aims to give an insight into the health benefits of physical education programs for students within the school system. It also provides legislative / regulatory recommendations for the purpose of improving the quality of physical education ^[1].

Conceptual Framework of Physical Education

Physical Education fosters personal and community wellness by empowering students to attain healthy, lifelong attitudes and behaviors through physical activity as part of the total educational experience. A Curriculum Framework for Physical Education: Adjusting the Focus builds on the belief that learners in a school setting have a fundamental need and desire for movement.

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This framework defines physical education as that part of the educational experience which provides learners with the opportunity to become aware of and engage in physical activity that is whole-bodied, intrinsically valuable and personally meaningful within the context of the learners' social and environmental setting.

Physical education, in its broadest sense, contributes to the followings among school students:

Personal Development: Students will be able to, for example

- Make appropriate decisions in relation to physical activity and take responsibility for those decisions;
- Explore movement activities purposefully both independently and in groups;
- Demonstrate understanding of the relationship between health and an active lifestyle;

Citizenship

Students will be able to, for example

- Demonstrate understanding of the importance of rules and regulations in society through the application of rules and principles of fair play in game situations;
- Demonstrate understanding of sustainable development and its implications for the environment;
- Demonstrate co-operative group skills; and demonstrate understanding of the need for social interdependence.

Communication

Students will be able to, for example

- Explore, reflect on, and express their own ideas, learning, perceptions and feelings relating to movement;
- Demonstrate understanding of facts and relationships presented through words, numbers, symbols, graphs and charts, in relation to game or group activities;

Problem Solving

Students will be able to, for example

- Identify, describe, formulate and reformulate movement problems; or formulate tentative ideas, and question assumptions to solve movement problems individually and collaboratively;
- Acquire, process and interpret information critically to make informed decisions related to active living;
- Use a variety of strategies and perspectives with flexibility and creativity for solving problems;

Aesthetic Expression

Students will be able to, for example

- Use various movements as a means of formulating and expressing ideas, perceptions and feelings;
- Demonstrate understanding of the contribution of movement to daily life, cultural identity and diversity, and the economy;
- Demonstrate understanding of the ideas, perceptions and feelings of others as expressed in various movement forms; and

Rationale: Regular physical activity is associated with a healthier, longer life and with a lower risk of heart disease, high blood pressure, diabetes, obesity, and some cancers. Current recommendations are for children to engage in at least 60 minutes of physical activity each day. Children spend over half their day in school, so it is reasonable to require that they should get at least 30 minutes of that time in school.

Physical education should be an important part of that requirement and does more than provide some minutes of moderate vigorous activity. It also exposes students to lifetime activities and teaches students how to integrate exercise into their lives. Since childhood obesity rates continue to rise across the regions of the globe, there is public support for more physical education in schools. A study conducted by Opinion Research Corporation International for the National Association for Sport and Physical Education (NASPE) in 2003 indicated that 81% of adults believe that daily physical education should be mandatory in schools. Recent research shows that regular exercise can restore blood vessel function and improve cardiovascular risk factors in obese children. A six-month exercise program has been found to reduce:

- Body mass index,
- Diabetes risk factors, and
- Low-degree inflammation [2].

Evidence from the Early Childhood Longitudinal Study published in 2004 showed that physical education programs do have an impact in combating childhood obesity, especially in young adolescent girls. Just an extra hour of exercise a week lessened obesity in young overweight girls. Benefits extend beyond improvement in health status. Studies in California suggest that children who are more physically fit perform better on standardized mathematics and reading test scores. It has been discovered that:

- Children who participate in school physical education programs do not experience a
- Harmful effect on their standardized test scores, and older higher grades are associated with vigorous activity.

The quality of the physical education program, not just the time spent being active during physical education, is the foremost concern. Physical education policy should prioritize quality while, simultaneously and/or subsequently, trying to increase the amount of time children spend in class. The need for children and youth to engage in regular physical activity as a pre-requisite for achieving optimum health has long been recognized. Regular physical activity results in mental and physical well-being [3].

Dimensions of Physical Education

The term-physical education evolved from the more restrictive phrase, - physical training, which has been in use in North America since the turn of the 20th century. Physical education denotes that the subject is a bona fide field of study in the public school system. The subject matter of physical education is human movement. This content distinguishes physical education as a critical and essential component of school curricula. Physical education, as a school subject, is directed towards understanding human movement, including the human and environmental factors that affect and are affected by movement. The ways in which people use this ability is related to other aspects of their functioning as whole persons. Human movement can be viewed in three dimensions:

- Education about movement involves the cognitive processes that are concerned with learning concepts, rules and procedures ranging from simple spontaneous movements to complex structured movements. Learners may draw upon games, sport, athletics, swimming, rhythmic and dance, and outdoor pursuits in combination with other disciplines such as anatomy, physiology,

physics, psychology, or aesthetics to conduct study and inquiry. At the primary or elementary level, the theme of movement 'might take on a project with references to pastimes and games. Movement concepts such as running, jumping, throwing, catching, turning and twisting might be introduced, observed and practiced. At the intermediate and senior high levels, knowledge about movement may be broken down into specialty areas (anatomy, physiology, biomechanics, movement as culture, history of games) or integrated with other subjects.

- Education through movement is concerned with the affective contribution of movement as a means to an end. In this dimension, movement is used to achieve outcomes such as moral values and conduct, aesthetic understanding and appreciation, social interaction and socialization, or the use of leisure time that may be extrinsic to any specific activity.
- Education in movement is concerned with the qualities that are an inherent part of movement itself. In this dimension, movement provides an opportunity to participate in activities that are intrinsically valuable, holistic, culturally significant, and an important source of personal meaning and knowledge. Education in movement has to do with knowing how to move, engaging in physical activities and having a direct, lived-body experience with movement that is intrinsic to any particular physical activity. While education in movement emphasizes the learner-as-mover, it relates to and draws upon the other dimensions at different times and in varying degrees according to the situation and setting [4].

Physical Education as a Medium for Active Living

Physical Education as a medium for active living in a school setting engages the —whole personal:

- Physically: through high level participation in appropriately selected activities,
- Mentally: through concentration and intensity while learning new concepts and skills,
- Emotionally: through the confidence that comes from enjoying established skills,
- Socially: through associating with others, and
- Spiritually: through satisfaction, contentment, and a sense of inner peace.

Active living contributes to individual wellness through the innate —experience of the moment and is reinforced on a daily basis through the knowledge, skills and feelings of enhanced self-esteem and wellness that develop over time. Active living is a way of life in which physical activity is valued and integrated into daily living. Active living is anchored in three fundamental axioms that lead to the guiding principles for school physical education:

Active Living is more than Personal Well-being

An active living philosophy acknowledges learners as - being multidimensional persons in an interdependent world. Rooted in the active living axioms, a rationale for physical education must be conceptualized in a way that starts with a holistic view of learners within a societal and ecological context. This conception must identify the interdependence of personal health with societal health and environmental or ecological health. On an individual level, physical education, as an agent for health and wellness, can promote personal responsibility

and control for active lifestyles.

However, equally as important, physical education must focus school students 'attention towards understanding the problems of the social environment that may inhibit them and others from pursuing active lifestyles. The challenge for physical education is to engage learners in experiences which require them to take personal responsibility for active and healthy lifestyles, while critically examining how society and the environment influences individual health in both positive and negative ways. As examples, provision for outdoor play space in a school yard provides opportunities for active living, while offering rhythmic activities to females only in a school prolongs stereotyping and restricts male access to valuable movement experiences. School personnel, as well as students, need to critically examine the social and environmental factors within their specific school-community settings that both facilitate and impede student participation in physical activity.

Suggested Strategies

A high quality physical education program enhances the physical, mental, and social/emotional development of every child and incorporates fitness education and assessment to help children understand, improve and/or maintain their physical wellbeing. In this matter, following legislative and/or regulatory strategies can be recommended:

- Require all schools to develop and implement a planned, sequential physical education curriculum that adheres to national and state standards for health and physical education;
- Hire a physical education coordinator at the state level to provide resources and offer support to school districts across the state;
- Add requirements for fitness, cognitive, and affective assessment in physical education that are based on student improvement and knowledge gain;
- Assure that programs have appropriate equipment and adequate indoor and outdoor facilities;
- Require that students are active in moderate-vigorous physical activity for at least 50% of class time;

Conclusion

Authentic physical education means the use of physical activity as a medium in, through and about which students are informed and their minds opened. Students who are comfortable with their bodies tend to exhibit a general boost in confidence and soon become more willing to take risks in other areas of school life, including their academic studies. Through the process of personal development, students become active agents in re-creating or transforming the social conditions in their lives on a personal and global level. Physical education plays a vital role in the students 'development and growth.

According to recent medical studies, physical well-being of a student is directly related to his or her performance whether in class or in the office. At least 50 percent of class time should be spent in moderate to vigorous physical activity. To sum up, —by addressing the quality, quantity and intensity of physical education across the country (the educational as well as the activity component), policymakers will maximize children's potential for a lifetime of physical activity, health and wellness. Physical education is a social construct, —a selection from culture, which contains explicit and implicit values about appropriate missions, goals and objectives.

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