

## Research Article

### New Order Establishment on Sports Curriculum Reform

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**Abstract:** In this study, we use modern systematic science thinking model properly and try to break the linear sports curriculum model under the reductionism system in the meaning of classic physics. In order to establish a new kind of dynamic, nonlinear, information exchange frequent, complex and accurate curriculum model. The new order could give the key position in real meaning to teachers and students in the sports courses, so as to make sports curriculum as a paradigm structure with main parts can be felt and new order with colorful life.

**Keywords:** New order, reform, sports curriculum, systematic science

#### INTRODUCTION

Along with the national, social, physical and mental health of the people's demands for more and more strong, physical education curriculum as the curriculum system in our country an important component of fitness as an important part of the whole people, is being more and more people. It is also based on the above reasons; the physical education curriculum reform has received increasing attention. However, due to the special nature of sports courses and face the new situation, let us have a clear feeling that the sports curriculum reform can no longer follow the traditional linear way of thinking of a single line, but we need to be thinking of complex systems, the use of a more extensive mode of thinking, on the physical education curriculum reform, the guiding idea of fundamental change. Daniel and Laurel (2006) study the history of the school curriculum. Stephen (2002) analyze the postmodern turn. Wu (2001) give the research methodology of self-organization. Amoah (2012) study the characterization of physical and mechanical properties of branch, stem and root wood of iroko and emire tropical trees. Zorofi (2011) shows the impact of media usage on students' social skills. Abowei (2011) have a research of the review of some basic principles in fishpond management. Burubai *et al.* (2012) study the strain energy variability as a function of moisture content, pre-heating temperature and loading rate on African nutmeg (*monodora myristica*) seed during cracking.

In this study, we use modern systematic science thinking model properly and try to break the linear sports curriculum model under the reductionism system in the meaning of classic physics. In order to establish a new kind of dynamic, nonlinear, information exchange frequent, complex and accurate curriculum model. The new order could give the key position in real meaning to teachers and students in the sports courses, so as to

make sports curriculum as a paradigm structure with main parts can be felt and new order with colorful life.

#### ORDER AND DISORDER OF PHYSICAL EDUCATION CURRICULUM REFORM

In 1933 the then president of the National Historical Society, has pointed out three Beadle history: "First, the history of the disorder, each of them by other means attempt to explain its illusions; Second, history is a cyclical movement of the cycle; Third, the history of the way by a linear movement, either straight up or spiral and in accordance with a direction of movement. Daniel and Laurel (2006) As we look back on the curriculum reform of China's sports history, we can find the same view of history also appear in our physical education curriculum reform process, this is not history but a real amazing coincidence of the objective laws. On the one hand, the sports curriculum reform appears in a series of noisy disorder, such as physical education curriculum along with the deepening of reform, improvement of the curriculum system in return for year after year is a decline in physical fitness of students, students of sports and physical education curriculum for two different attitude and so on and strive to seek the establishment of a new order with a view to be fundamental improvements; On the other hand, the extension of the sports programs follow their own development path, which we are familiar with both the "pendulum phenomenon", there has been the formation of system of sports disciplines, in efforts to explore the dynamics of a disorder, will be their hopes on the development of more damage to the original order, which lead to physical education curriculum revolution.

In this sense, our vision of physical education curriculum is fraught with contradictions and harmony, hope and anxiety of the complex. We would like to eliminate the curriculum reform of the disorder and

disorder tried to help the mutation to create a broader sense of the harmony courses; both want to compete in an orderly and disorderly increase in physical education curriculum for more passion and vigor, Also brought into the collision between the two sports programs in the turmoil of anxiety. This may really be a no-win proposition, but we also increasingly clear that this is not a binary proposition, when we think outside the norm to try another way to understand it; we found that among them are not separate but an integral whole of the state show, which is a fusion of different Space and Time.

#### **IN AN ORDERLY MANNER: THE REALITY BASED ON OF SPACE AND TIME**

When we always hope to find a world order in an orderly manner, we found that, at the present time, the physical education curriculum reform, we could find only in the "two-dimensional space-time" on an orderly, this obviously different from our original intention, but it reflects the most true to our world.

**The spatial and temporal relationship in physical education curriculum reform:** 1902, 1912, 1916, 1929, 1942, 1950, 1956, 1978, 1987, 1992, 1994, 2000, these simple figures, a record for a whole history of the development of China's sports programs, from naturalism to rationalism, from the progressive and then to the elements of humanism, the development of physical education curriculum was simply understood as "doctrine" of development, they are from another dimension of recorded changes in China's sports programs. For this traditional history to restore as much as possible to our intuitive picture of physical education curriculum reform, since the physical education curriculum from the date of emergence, it has been in continuous transformation, along with continued reforms, accompanied by continuing to make progress. In this sense, if the understanding of sports programs, we can easily find that the existing research results have been close to perfect, including the "pendulum phenomenon" in-depth studies are sufficient to prove that we grasp the extent of such phenomena.

When we tried to "history is a cyclical movement of the cycle" or "history by way of linear movement, either straight up or screw up" these ideas to explain the history of physical education curriculum reform process and based on this interpretation argument, we can see that the curriculum reform of China's sports history, whether it is the climax of the development is still low, can be condensed into a one-point and from various points, the relationship between a line connected, it is this "line "Curriculum Reform in sports from a living

individual, a cold into a straight line, together with hygiene, so as to achieve an orderly and state rules. The same token, this appears to spiral in space of three-dimensional changes in perspective, if we will look infinitely magnified, until the trend close to the limit in a state of infinite, in fact, we are also not difficult to find a spiral eventually rose to become a straight line only between the three-dimensional plane to a "cover-up." Thus, such courses are also being used to advance the linear relationship between the established classics. Along with the establishment of the two axes, from the classic Cartesian coordinate system to construct, derived from Newton's classical mechanics applied to the linear equation:  $y = ax + b$ , seems to be a complete explanation of the sports curriculum reform all. It seems that all the physical education curriculum reform, in the spatial and temporal relations established by the linear, the end of uncertainty.

**The end of the certainty of physical education curriculum reform:** Physical Education Curriculum for the traditional understanding of the meaning in the natural sciences to build up and the sports programs in time and space by a two-dimensional space consisting of orderly arrangement, stressed that a clear understanding of the course, the precise and uniformity, this is a response to the supremacy of rationalism. If the physical education curriculum in accordance with this uncertainty is really the end of the development of curriculum reform, we may be able to continue smoothly, the entire system can be a continuation of the orderly development of the road; it seems that we have been most willing to see one of the scenes. If time and space can be solidified, we shall no longer be an amazing "classical physics" of invincible. However, in the face of the historical flow, what's the fact of it? To Kuhn, "paradigm shift" is concerned, as a physical education curriculum reform is full of evolution, the evolution of the "live" system, in itself is full of non-reversible process. In such a complex system, we see that the "end uncertainty" stop suddenly, orderly end permanently, it can only be replaced by disorder and from another angle it would interpret the physical education curriculum reform in another perspective.

When self-organization theory was introduced to the sport try to study the curriculum reform, the cultural perspective through, it began to make physical education curriculum that "uncertainty" in the end. It makes us aware that the use of linear space-time relationship of the physical education curriculum reform and to analyze the complexity of the process, undermine the complexity of the process itself and thus lead to the "fruit of the poisonous tree" effect, some degree of hindered the physical education curriculum reform process. The

traditional sense will the curriculum reform for the time evolution of the meaning of the form into a functional analysis of structural problems; its attempt to change the past, space for physical education curriculum reform process of the sense of analysis of this mode of thinking, more focus on the development of curriculum reform from the front and results analysis. Or in other words, it is our understanding of physical education curriculum reform from "the process of analysis" into the "analysis." It began to pay attention to us and sports curriculum reform, development trend of the final is not a "disorder" to "orderly" reform, but from the "orderly" to "disorder" and "orderly" to "disorder" a cycle of the process, it makes us aware that in order to attempt to understand the real physical education curriculum reform, we must try to understand the physical education curriculum reform, the "disorder".

#### **DISORDER: A PHASE SPACE BASED ON THE METAPHOR**

When we try to draw out of the Middle Ages comes from the symmetry, the simple order of physical education curriculum; and the establishment of a non-symmetric, complex new order of the physical education curriculum at Stephen (2002), we suddenly discovered that has been plaguing us and encouraged by the our physical education curriculum reform was the "disorder." The face of the sports curriculum reform in a series of "mutations" We are puzzled, unable to adapt to this change order, at the same time, are encouraged by the conflict, after all, has only the meaning of life, our physical education curriculum was not to stop the advance. However, in the understanding of this puzzling, those make us truly into the physical education curriculum and integrate into the physical education curriculum reform, try to understand it and sentiment.

**Disorder: the dancer of the phase space:** In the self-organization theory, the phase space is a huge dimension of the space above it on behalf of each point of the system we are considering all possible states. System phase space is usually of great dimension, one representative of each of these points, including all the details of the whole system of physical state (the system for each particle position and momentum coordinates). Thus, we can believe that the history of physical education curriculum reform constitute the entire physical education curriculum development phase space, the entire phase space is a full of energy "field" in the space of each point can be regarded as a "attractor." Courses in sports, we have an attractor to

the "education", in the phase space, it has a tendency to "education" of the trajectory set by the development of spatial composition and we can attractor called education the "depression (basin)". As mentioned earlier, at least a physical education curriculum "education" and "Sport" submitted by two different attractors and these attractors in the state of competition, attractors, "education" might be decomposed into a number of attractive son of "Teacher", "student", "teaching objective", "course materials" "teaching methods", "teaching methods", "teaching evaluation," and so on (Poincare to the phenomenon known as the "bifurcation") , resulting in "mutant branch." And physical education curriculum in the phase space behavior is bound to be various "depression (basin)" attracted, so the development of physical education courses are different in different places and in some places will become extremely unstable, resulting in the local stability of the structure.

It is this "structure of local instability" in the performance of two-dimensional space in a "disorderly" feature, showing a trend of chaotic. As we usually see three-dimensional portrait, seen in the plane of the garbage is going to be disorderly, but through a point of view, we will see a vivid image. In this sense, the physical education curriculum reform is the phase space as the dancers, a vibrant spirit, when it is in accordance with its own special way of showing their vitality when presented to the people of the world is, perhaps, is a confused the picture. Perhaps thanks to Prigogine, Haken, Tom Egan, etc. and a large number of research methodology of self-organization of scientists, they adopted the perspective of self-organization has given the sports courses (history) to a new life, lead us to the beginning of another way to look at this in an orderly and disorderly order. Thus in a dynamic, life course perspective to understand the sport, physical education curriculum sentiment, so that physical education curriculum reform alone is no longer the dancer.

**Disorder: metaphor of the reality:** If we say that "orderly" brought to us is "the beginning of uncertainty," then the "disorder" through metaphor to give us more "end the uncertainty." Phase space when all the dancers to write their own future, when in reality it is a metaphor, "a new ideology to guide our understanding of the relationship between identity and even what kind of courses through to get understanding and recognition of these ways." Physical Education Curriculum Reform in the phenomenon of a lot of disorder, such as "On the means of struggle and purpose," "centers and between centers," and so on and will not directly lead to the intense curriculum reform,

but they will, through the metaphor attached to the way a certain form of expression on the physical education curriculum in order to indirectly is fundamental to the occurrence of physical education curriculum reform. When the physical education curriculum reform through a variety of expressions to reveal the "synergy", "mutation" and derived from the laws of the objective world, we said that along with the physical world of ordered and disordered relationship between the establishments of a new concept of physical education curriculum reform is being generated.

However, it is worth our attention is to establish in complex systems and analysis of metaphor patterns based on the values driven by the science of sport has not lost sight of the curriculum reform to promote sports culture in the curriculum and the gradual unfolding of the relationship between self-organizing role. As we have previously analyzed, to connect all kinds of metaphor and reality is exactly a bridge between the "cultures." Either as "order parameter" or "attractor" in establishing the culture of their own physical education curriculum in the core of the reform and with this status is clearly brought about by the influence of the core values and the continuous zoom - This is not difficult to use "The Butterfly Effect" - another metaphor of self-organization to reveal it. Perhaps this result is "disorderly" and "orderly" in the space of two completely different the only meeting point.

"Subject-object dichotomy" is a traditional theory of knowledge and start to set up the premise of the traditional theory of knowledge to construct way of thinking. Descartes began this way of thinking of non-extensive with the inner soul-extensive distinction between external things. And Kant is to further improve this distinction. It is this traditional "binary" mode of thinking dominates almost the whole of modern physical education curriculum reform in recent history, physical education curriculum reform that makes the "host-guest relationship", "Center for Children's Center and teachers" on the other. Despite Heidegger, Gendarme and Derrida and others of "binary opposition" carried out a thorough criticism, pointing out that this "dichotomy" is a traditional antagonism between abstract metaphysics, in this kind of "dualism" before and after the two are not equal in juxtaposition, but show a subordinate relationship. Wu (2001) although some modern philosophers deny the meaning of the "dualism", but since the beginning of Cartesian philosophy has been established proposition still show a strong vitality.

And disorder in the physical education curriculum and in an orderly manner in the context of self-

organization theory of meaning, then totally out of this "dualism" of the constraints, it will place in an orderly and disorder in two different space-time field to explore and naturally out of the question, "dual" relationship, so we said Order and Disorder is a not a "dualistic" proposition. Instead, through the space to show the disorders in the external manifestations of the plane are given in the "orderly" the establishment, this might be a worthy of our serious concern. At the same time, also denied the Beadle pointed out that the "history of the disorder, each with a different way is an attempt to explain its illusions," the proposition that history may be able to start trying to use another kind of thinking to interpret.

John Dewey once said, "Carries the history of the past, the past is now history" (Daniel and Laurel, 2006), when we look back at the sports history of curriculum reform process, had to praise the wisdom of Dewey, but also so that we realize that we have been stressed that culture is just a matter of fact we are writing culture. Sports culture in terms of curriculum reform: "It's not a heavy hand, nor is it an invisible hand, but gently push a hand."

## CONCLUSION

Through its advanced culture and the lag can be a complete performance. In the physical education curriculum reform, a lot of help has been systematic and mature theoretical guidance for curriculum reform, but any kind of theory is there are some drawbacks (or there was the possibility of misunderstanding we have), it is not to us-the practice of physical education curriculum for the transfer of the sense of - no matter whether we can realize that, or when it realized that its existence is real-this is accompanied by the existence of such a theory the existence of the birth-this is the "advanced culture." Similarly, any one of the guiding theory of physical education curriculum reform and ultimately will reveal certain drawbacks, such as we are aware of the existence of its true (which is bound to be real in practice can be found) often have resulted in certain extent, no matter how hard we are in the impact of these defects found before an attempt to eliminate this impact, are futile. This practical experience with it is the cultural characteristics of "cultural lag" manifestations.

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