From the Perspective of Game Theory, Analysis the Ecological System of Colleges and Universities Sports Education Environment

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Abstract. The university sports education ecological environment is the guarantee of the development of college PE education can be smooth realization of the necessary guarantee conditions, is a necessary choice for the sustainable development of sports colleges and universities. From the Angle of game theory analysis of colleges and universities sports education environment, enrich the connotation of modern colleges and universities sports teaching, is helpful to the development and implementation of physical education curriculum, plays a positive role to cultivate students’ consciousness of lifetime sports. Article on the basis of education ecological system definition is given, by means of game theory, under the education from the perspective of game theory, analysis the ecological system of colleges and universities sports education environment, analyzes the development status of physical education in colleges and universities and how to apply game in colleges and universities sports teaching.

To analyze the sports colleges and universities is the ecological system of the whole environment is contemporary college sports research trend, but the ecological education is an important part of college sports education environment, also means that the college sports both internal and external harmony development, but the fact that in the process of development is differ with our expectations. Introducing “game theory” in colleges and universities sports teaching, not only enriches the connotation of modern colleges and universities sports teaching, is helpful to the development and implementation of physical education curriculum, also plays a positive role to cultivate students’ consciousness of lifetime sports. This article mainly through to the understanding of the game, relying on the harmonization theory of education ecological system, analyses the development status of physical education in colleges and universities and how to apply game in colleges and universities sports teaching.

The Definition of Education Ecological System and the Game

Colleges and universities sports teaching ecology can come from sports teaching ecological meaning, and sports teaching ecology first from the perspective of sustainable development, such as system theory, coordination theory, mutation theory combine multiple theories, to use in the sports teaching, the purpose is to better observe the implementation of physical education teaching and trying to find out the existing problems and reasons, finally make the sports teaching in the education better promotion, and colleges and universities sports
teaching ecology is to study the physical education teaching in the specific environment, in this paper, a specific environment refers to the university sports teaching environment.

Game is on the interaction between much of decision-making behavior has, according to the different subjects in the control information and the cognition of their own capabilities, make a favorable decision of an action. Game of decision-making, which is the strategic behavior of the strategic behavior of decision makers and others under influence each other in the decision-making process, and people in the decision-making logic with thinking at the same time also cultivate their own games.

The Education Ecological System of Colleges and Universities Sports Education Environment Development Situation at Present

University Sports Education Environment Ecological Phenomenon

**Students of Physical Education in Colleges and Universities Lack of Ideas.** University sports education the development of the ecological environment is the requirement in the process of physical education in colleges and universities, for all kinds of factors to coordinate with each other in the process of education development, the first factor is the concept of the problem, for the effective implementation of the concept of physical education in colleges and universities when first to ensure the notion of teacher and student mutual harmony no bias, but instead, in the inspection of the relevant news when found that 61% of the teachers in colleges and universities sports education concept is very rigid, the students in many colleges and universities sports education importance serious lack of ideas.

Sports educators in colleges and universities have a lot of ideas or rut, just as a student in nervous learning atmosphere relaxed a link, the lack of training students lifelong sports consciousness, it is fundamentally the quietly eliminated the importance of physical education.

We obviously found in the process of the literature refer to many students think that physical education is cannot open, this is education ecological system in colleges and universities sports education of ecological development of long-term, education ecological system of middle school students has long been the influence of the exam-oriented education, ignores the sports on the importance of their development in the future.

**Class Teaching Present Situation and the Development Direction of Disequilibrium.** At present, because of the influence of the traditional sports teaching, the current our country university sports teaching method still is given priority to with passive accept type concept. Although the reform of college physical education teaching research has made some achievements, “people-oriented” idea and direction of college PE teaching everyone to form a consensus, but regards the theory to explore light practice research, theory and practice out of the question for the teaching research into practice brings about the difficulty of operating level. Continuation of the previous classroom teaching “equation” way of teaching, the classroom teaching content, teaching method is based on the teacher’s will as the shift, and some teachers inertia and paternalism in the actual teaching excessively enlarge its own leading role, ignored the students’ emotion and accept force, caused the modern colleges and universities sports teaching deducing the rigid teaching program.

**“People-oriented” Students-center Weakening of Teaching Process**

College sports education objectives, ideas have been continuously explored and improve, in the process of modern colleges and universities sports education idea advocated
“people-oriented”, more students-center teaching concept gradually valued and mentioned. However, most sports teaching in colleges and universities still cannot cast off the yoke of the previous idea, under the new concept of university sports teaching goal, curriculum, teaching mode and method of using the concepts of fuzzy. Combined with the physical education teachers in colleges and universities in some teachers to meet the status, not fully realize the principal role of students, etc., influenced the further promotion of new teaching concept, also has restricted the progress of teaching reform.

“Game Thinking” the Introduction of Practical Significance in Sports Teaching Environment

With the Person This, Improve Teaching Subjective Initiative

In the category of “game” in society, reflect on the relationship of the processing. Physical education participation main body is the person in the class, the teaching process in fact is the process of interaction between people and coordinate the process. Sports teaching the same game, this is a pay attention to the rules of the game, there are a wide variety of participants, not one man in this environment can do, we need to identify with, collaboration, and finally achieve win-win situation, the fundamental goal of the game.”Game” pay attention to the role of thought, pay attention to person’s subjective dynamic role, the contemporary sports teaching starting point is “people-oriented”, the purpose is to cultivate people’s quality development in an all-round way. Therefore, will be “game thinking” into the new classroom teaching, more can reflect the contemporary sports teaching human development direction, conform to the rules for the development of modern higher education law, therefore, the “game” is the best suit a point with physical education teaching.

The Innovation Teaching Idea, Widening Teaching Idea

“Game” itself is a tool for the purpose of the sports teaching “game thinking” is a kind of teaching method and principle. “Game thinking” the introduction of sports teaching environment has important practical significance, it embodies the teaching concept innovation, and also to broaden the teaching ideas, enrich teaching means, plays an important role in improving the teaching quality, enhance the identity of teachers and students to the classroom concept, build better teaching atmosphere.

“Game” Application in the University Sports Teaching Environment

Inspire Students in the Learning Process of a Game, to Study on Thought Inertia Self Control

In real life, there is a game between people, between the self and there is a game. Anything, including the people there are internal collaboration and contradictions, which actually is the game itself. Game itself is individual internal infinitely repeated game, also can saying is one positive side and negative side to stick to and confrontation of the game.

In sports teaching, teachers should design and arrangement can adapt to advantage technology, easy to form a good study habit, encourage students to study in this environment, as far as possible to participation, understanding and contact. In addition, pay attention to students’ sports, tasks and activities to learn to accept the way of sustainable, development student’s sports potential, show individual character, improve learning efficiency, is of great
significance. Around the physical education content, and strive to open the same for students active window contents, various forms of skills, strengthen the teaching method, to aim at cultivating habits, raises the student individual will always create a quality learning environment.

Using the Cooperative Strategies in the Teaching, Cultivating Students’ Consciousness of Teamwork

In game theory, a single game should take benefit to the strategy of betrayal, and should take the cooperation strategy in repeated game. Take the cooperation strategy, actively cooperate with others, both sides can benefit more. Cooperation strategy is advanced social emotion, has a key role on college physical education. Sports teaching is done through the collective cooperation between students and teachers, especially the collaboration between students and students, during each short sports classroom time more effective collaboration between the student is required to complete, concrete embodiment in each other and help each other, and actively cooperate with others and make yourself and others get psychological meet to create a happy classroom atmosphere, can be powerful in sports teaching task smoothly. Immediate attention should be paid attention to in the process of the teachers in teaching the students’ learning mentality, often organize some team sports such as basketball, volleyball, let the student through partnership of cooperation and efforts, in fair competition on the basis of good achievements; Can also organize some competitive weak collective game, lets the student understand and respect each other, in virtually unity and mutual assistance, to ensure the smooth progress of the game.

Reasonable Use Law of Path Dependence, Strengthen the Sports Habit, Cultivate Lifelong Sports Values

Path dependence, and its specific meaning is refers to the technical evolution in human social or institutional change are similar to the physics of inertia, which once in a certain path might be on the path dependence. People once in a certain way, you will in the later development of self development and self reinforcement. It embodies the inertia, continuity, shows the game process on the consciousness of people, physical exercise is just the embodiment of the inertial. College sports education must seize the final critical period, the lifetime sports thought penetrated into each of the students, around this goal, the deepening reform of college physical education teaching, make students through the sports teaching and extracurricular activities to cultivate lifelong physical exercise ability and habit, best bring this thought by each student to relatives, friends, so that the atmosphere of the whole society to form scientific exercise.

Correct Understanding of the Game Effect of Murphy’s Law, Effectively Prevent Class Sports Injury Accidents

Murphy’s Law is main content: if things change bad, no matter how small the possibility that it will happen. Murphy’s Law was saturated with the game theory thought: the world is wide; we cannot ignore the possibility of anything happen. Therefore, we should give as much as possible to get things flip side before occurred to eliminate it. In university sports classroom inevitably there will be some unexpected things happen, such as sports injury, it is extremely important, it not only disturb the normal teaching order, but also caused physical and mental damage to students themselves. In sports class, pay attention to safety education, safety awareness is especially important, should begin from the following aspects: first, safety
education, make students understand the basic knowledge of sports and sports injury treatment method and the matters needing attention; Second, strengthen self awareness, seeing the safe hidden trouble that may emerge in the sport, if sports injuries, can be solved with the help of insurance is effective; Third, to strengthen the safety management of venues and equipment, sports teachers on curriculum design, selection of equipment to be appropriate, regular inspection maintenance, improve safety coefficient, for students to build a good place to exercise; Fourth, to strengthen the prevention of students body and mind, requests the student to warm up before class, emphasizes the movement accuracy, timely correct action.

Conclusion

University sports education ecological environment is the guarantee of the development of sports education in colleges and universities can be smooth realization of the necessary conditions for guarantee, is the inevitable choice for the sustainable development of college sports, introduces “game thinking” in colleges and universities sports teaching, enrich the connotation of modern colleges and universities sports teaching, is helpful to the development and implementation of physical education curriculum, make students from the correct sports values, learning sports study manner, to strengthen the students’ subject status, create a good sports classroom atmosphere, to cultivate students’ lifelong sports consciousness, develop a positive, has a positive role.

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