

Research on the Education Ecology of Basketball Teaching Activities

Han Kai

Hunan Modern Logistics College, Changsha, Hunan, 410131, China

Keywords: Basketball Teaching Activities; Colleges and Universities; Educational Ecology

Abstract: Basketball is one of the most important courses in physical education, and its position is particularly important in physical education. As a microcosmic educational process and physical education teaching form, basketball teaching activities are always surrounded by the educational and teaching ecological environment associated with them in a specific period of social development, and together with them constitute the educational ecosystem of basketball teaching activities in Colleges and universities. This research borrows the educational ecology as the main theoretical support, uses the literature research method, the investigation method, and so on many kinds of research methods. From the perspective of educational ecosystem and ecological balance, this paper examines the educational ecological structure and functions of basketball teaching activities in colleges and universities, seeking ways to regulate the internal and external ecological imbalances to explore the sustainable development of basketball teaching activities in colleges and universities, and propose solutions to the problem and provide reference for basketball ecological education, to promote the better development of physical education basketball activities.

1. Introduction

College basketball teaching activities should have the characteristics of stable, coordinated, safe and sustainable development, so as to promote students' all-round physical and mental development, and implement the concept of quality teaching [1]. A series of planned, organized and purposeful educational and teaching activities are carried out between teachers and students in the course of physical education teaching in Colleges and universities. It includes physical education classroom teaching, extracurricular sports activities, amateur sports training and competition, etc [2]. Among them, classroom teaching is the main content of physical education curriculum teaching activities, extracurricular activities are the expansion and extension of physical education curriculum teaching activities, amateur sports training and competition are the deepening and improvement of physical education curriculum teaching activities [3]. The specific process of the development of basketball teaching activities in physical education curriculum is to carry out a series of teaching contents and activities between teachers and students, which are planned, organized and have certain teaching purposes [4]. Basketball teaching activities include a lot of content, such as: basketball theory knowledge teaching, basketball training and teaching activities, basketball extracurricular activities and competitions, etc. Through the development of basketball teaching activities, students can enrich the campus life and have a profound impact on students' learning. The impact [5].

Because China's development requirements in the field of education and teaching are constantly changing with the continuous development of society, this requires a new development direction in teaching, especially in the basketball teaching of colleges and universities, it is necessary to innovate and reform [6]. The study of educational ecology, the introduction of this new term, requires the industry to conduct reasonable and scientific research and exploration, so that it can promote the new development of education in the development of pluralistic society [7]. Educational ecology, with its new vision, new ideas and new methods, has important guiding significance for the reform and development of education, and has a positive role in promoting the research of educational theory and practice [8]. This study uses educational ecology as the main theoretical support, focusing on the basketball teaching activities of physical education courses in Colleges and universities, through the holistic and systematic analysis of the educational ecological factors affecting basketball teaching activities in Colleges and universities, and finds and explains

the problems exposed by the educational ecological environment of basketball teaching activities in the aspects of nature, society and norms. To find a way to control the internal and external ecological imbalance [9].

2. Methodology

Natural ecology, social ecology and normative ecology constitute the educational ecology environment of basketball teaching activities. It is a biological structure that can be effectively restricted and influenced by people. Different biological types and species have different characteristics, structures and forms, as well as different effects [10]. At the same time, social ecology also includes the social relationship between students, the relationship between students and teachers and parents, and the students' own learning and living conditions. National policies have a greater impact on social ecology. At present, the educational behaviors in ordinary colleges and universities are usually led by the administration. The degree of attention of the higher-level administrative departments, the abundance of funds, and the improvement of the environment all contribute to the social ecology of college basketball teaching. Construction has a direct impact. Its essential goal is "people-oriented, based on the concept of life", pursuing the all-round development of human beings, and actively exploring the basic requirements in line with human development. The educational ecological theory is a sustainable development system that adapts to ecological civilization. The basic law of modern education is the inevitable trend of education development.

In general, in the development of educational ecology, it is possible to expand the factors of natural restriction to a certain extent, so that it can become a spiritual factor in society. In the actual educational ecology field, energy flow and information flow become their limiting factors in development. The natural ecological environment plays an important role and role, and the contact with students is relatively close, which is the material basis for students to engage in all activities. Educating the natural ecological environment is an atmosphere of campus education, and it is also a symbol of the style and spirit of school basketball. The structure of the education ecosystem is the same as that of the basketball teaching system. It is the form of the connection between various elements in the education system and the various elements of the external environment of education. The ecological environment plays an important role in college basketball teaching. For example, if the school leaders have a greater interest in basketball, the relevant basketball venues of the school will be built beyond the conventional level, which will also play a great role in promoting the development of basketball in the school, and establish a greater advantage in many sports.

According to the theory of educational ecology and the actual situation of basketball teaching activities in Colleges and universities, the R-factor analysis of the selected social and ecological environment factors affecting basketball teaching activities in Colleges and universities was carried out after the expert questionnaire survey and statistics. See Table 1 and Figure 1 below.

Table 1 R-factor analysis characteristic value of social ecological environment factors influencing basketball teaching activities in colleges and universities

Principal component	Characteristic value	Contribution rate
1	5.83	28.33
2	3.42	32.62

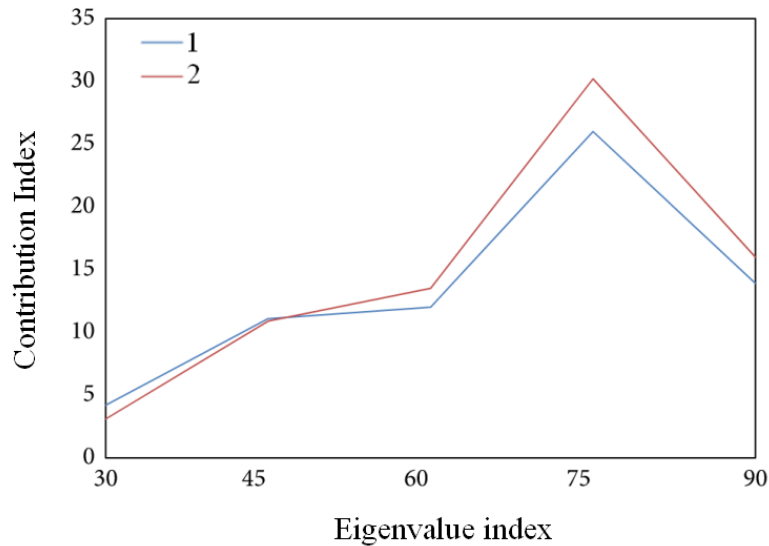


Fig.1. R-factor analysis characteristic value of social ecological environment factors influencing basketball teaching activities in colleges and universities

The composition of ecosystem is inseparable from the ecological structure. Ecosystem mainly refers to the energy cycle of matter in time and space. Human activities can affect and restrict the ecosystem. Different ecosystems have different biological types, forms and characteristics, and their ecological effects are also different. In terms of quantity and scale, they all need to follow the law of development of the national economy. If they can not be unified in the speed of development, it may lead to the situation of restraining their continued development. It is required to develop a certain tolerance in the actual development according to the actual situation. The natural ecological environment of education plays a considerable role in the operation of the physical education ecosystem. It has a subtle influence on people's physical education and cultural influence. At the same time, the social ecological environment also includes the social relations of students, the relationship with parents, classmates, teachers, their own learning and living conditions. In this way, we analyze the basic environment of pure nature education that affects basketball teaching activities in colleges and universities, and improve the educational ecological benefits of basketball teaching as much as possible.

3. Result Analysis and Discussion

Although the education system is a non-biological system, the dominant factor of the education system is people. The surrounding environmental factors can affect the people through the education system. The education system can also link people to the surrounding environment. Therefore, the relationship between education and its surroundings is ecologically significant to some extent. The premise of all matter is nature. The focus of natural ecology in basketball education is to create material conditions. It can not only affect education, but also play a unique role in physical education. Its main content is climatic conditions, physical environment, and geographical location. The purpose of education is to provide a platform for people to learn, so that everyone can get the opportunity to learn, education can enrich people's daily life, is the pillar of supporting people's social life. Education can promote people to communicate with each other. It is an indispensable process for social development and progress. However, in the actual role, it is not difficult to find that, in fact, whether it is competition or exclusion will have certain negative emotions, which need to be specifically analyzed in practice.

For this reason, this paper designs a questionnaire for the satisfaction of the school's natural environment. Among the students and teachers surveyed, 78.93% of the students and 66.71% of the teachers are very satisfied and satisfied with the option of "the natural ecological environment in which the school is located". See Figure 2 below.

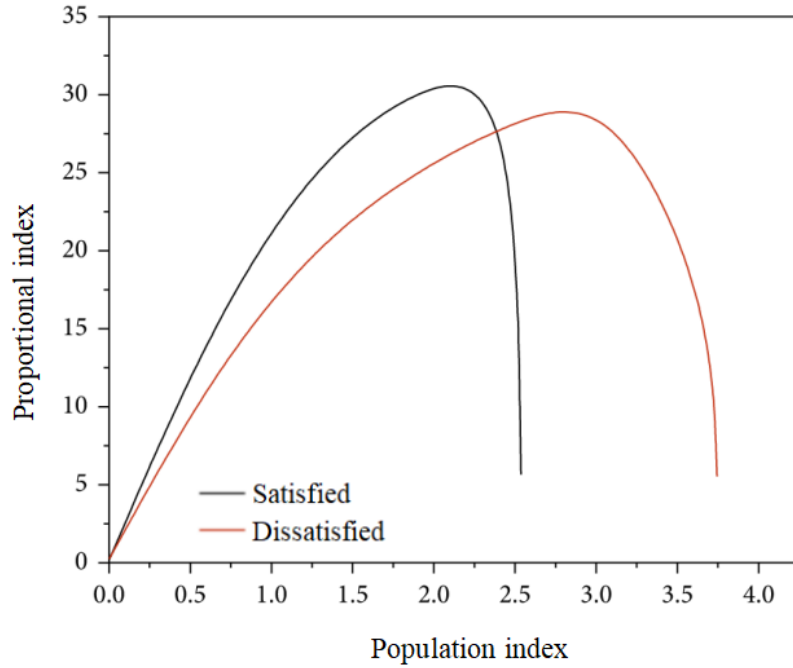


Fig.2. The natural ecological environment satisfaction survey map of the school

Modern school facilities and functions are increasingly diversified. It combines teaching, leisure, entertainment, aesthetics and many other functions. However, the functional role of the facility environment is often overlooked in school teaching activities. We envisage that if the entire campus is well organized and well-planned, it will definitely give people the enjoyment and edification of beauty, which will have a positive impact on people's psychology. Developed on the basis of nature and environment, it is an important condition for determining the development of basketball sports activities. It is the operating system and mechanism of basketball education activities, and it is related to laws, regulations and systems. Through the role of internal and external normative environment, specific values are produced together. It also combines various factors about school and society, carefully observes the wide field of basketball teaching activities, from the perspective of what kind of courses students want, takes students as the main factor, pays attention to the influence and improvement of different types of ecological environment, and makes students really interested in and motivated to learn basketball teaching activities, so as to improve the goal of basketball teaching activities.

Our country's education is always in the process of reform and development. Colleges and universities should rationally use and allocate educational resources so as to optimize their utilization rate. In the actual development, colleges and universities should clarify their own position so that they can flexibly use the resources of the school. At the same time, they should also improve the efficiency of management to a certain extent and implement sustainable development. Carefully observe the scope and field of basketball teaching activities in Colleges and universities, with students as the main body, from the perspective of students, to understand the students' ideas comprehensively and concretely. Let them express their wishes and stimulate students' interest and hobbies in basketball teaching activities. Let students participate in the activities independently to ensure the goal of basketball teaching activities. Among the factors of the policy system, it is necessary to give certain consideration to the political and economic environment of the country and the policy requirements of the higher authorities, and pay attention to the ideological education of the ordinary colleges and universities so that they can develop education while the mainstream thinking and system of the country are unified and developed.

4. Conclusions

As China's awareness of education continues to strengthen, the basketball teaching activities of

ordinary colleges and universities should also be improved in a new way, so that they can be developed and improved in the field of educational ecology, and promote the win-win situation of Chinese college students in terms of quality and ability. As a form of school physical education, basketball teaching activities are always surrounded by the educational and educational ecological environment, which is deeply influenced and restricted by them, and together with them constitute the educational ecosystem of basketball teaching activities in ordinary colleges and universities. The educational ecological environment of basketball teaching activities includes the natural ecological environment, social ecological environment and normative ecological environment of basketball teaching activities, which form the educational external ecological environment of basketball teaching activities. The application and improvement of educational ecology to a certain extent will promote the development of education in China to a certain extent. The reform and practical application of educational ecology can promote the education industry in our country, so we should solve the problems in time so as to make education develop and advance continuously.

References

- [1] Severino C D, Gonçalves, F. J. M, Darido S C. The vision of teachers regarding teaching and learning of basketball in Physical Education lessons: the reality of Volta Redonda/RJ.[J]. Movimento Revista Da Escola De Educação Física, 2014, 20(4):1283-1304.
- [2] Kopnina H. If a Tree Falls and Everybody Hears the Sound: Teaching Deep Ecology to Business Students [J]. Journal of Education for Sustainable Development, 2015, 9(1):1–16.
- [3] Ge S L, Wang H L, Xu X L. Research on Application Multimedia Technologies in Basketball Basic Tactic Teaching[J]. Advanced Materials Research, 2014, 971-973:2599-2602.
- [4] Zhang, Chun D. Design and Research of Basketball Evaluation System in Information Teaching Conditions [J]. Advanced Materials Research, 2014, 926-930:4489-4492.
- [5] Hendrickx M M H G, Mainhard M T, Boorklip H J, et al. Social dynamics in the classroom: Teacher support and conflict and the peer ecology.[J]. Teaching & Teacher Education, 2016, 53:30-40.
- [6] Hou, Yong L. Virtual Simulation Technology of Wireless Sensor Neural Network in Basketball Movement Distribution [J]. Applied Mechanics and Materials, 2014, 651-653:579-583.
- [7] Okazaki V H, Rodacki A L, Satern M N. A review on the basketball jump shot.[J]. Sports Biomechanics, 2015, 14(2):190.
- [8] Ciocoiu, Lucica D. Comparative Study on the Weight of Basketball Practice Compared to Other Sport Disciplines in Middle and Secondary Schools in Galati, Romania [J]. Procedia - Social and Behavioral Sciences, 2014, 137:17-24.
- [9] Wang M. The Application of the Human Body Link Stress Analysis Method in the Basketball Movement [J]. Journal of Computational and Theoretical Nanoscience, vol. 14, issue 1, pp. 79-83, 2017, 14.
- [10] Hoover S J, Winter R K, Mccutchan H, et al. Mood and Performance Anxiety in High School Basketball Players:, A Pilot Study[J]. International Journal of Exercise Science, 2017, 10(4):604-618.