

Dynamic Evaluation of Online Learning System and Red Sports Culture: a Modern Physical Education Practice

Liu Hongtao¹, Liu hong², Fan Hongling¹, Chen Yuanping¹ and Tao Ganchen^{1,*}

¹*P.E. Department, Jinggangshan University, Ji'an Jiangxi, China*

²*Ji'an children's Sports School, Ji'an Jiangxi, China*

**taoganchen@163.com*

Abstract

Modern education technology has changed the teaching mode, and brings a huge impact to physical education. With the development of multimedia technology, the impact of network education is unprecedented, not only changes the teaching content and teaching methods, but makes the fundamental reform of the modern education system. In this paper, we test the correlation of red sports culture and modern physical education by using network data. The result shows that after red sports cultural has been integrated; college student's outlook on life, values and world outlook has a very significant increase, and it will enhance innovative thinking ability of college student. So that, network education has formed a new growth point, and will become the main direction.

Keywords: *Information technology, Sports education, Multimedia technology, Red sports culture, Online learning*

1. Introduction

21 Century is the new century that the mankind has entered the information society in the new century, the modern education technology, which is the core of the multimedia technology and network technology. Network technology has become the creative tool to develop the human capacity. Because of the continuous development of modern educational technology and wide application, education will present the characteristics and development trend of generation [1]. The application of modern educational technology has become an important subject in the teaching of physical education in Colleges and universities. The modernization of physical education in Colleges and universities is the development direction of higher education in China, and the application of modern educational technology will have a profound impact on the physical education in Colleges and universities. In recent years, with the rapid development of higher education in China, the application of modern educational technology has become the commanding point and breakthrough of the teaching reform [2]. The application of modern educational technology to the teaching of higher education has become a prominent problem. As an important part of college teaching, physical education should also take full advantage of modern educational technology to speed up the reform of physical education.

Along with the network technology, digital technology, multimedia technology as the core of the technology in the field of education in the continuous application, so that people pay more and more attention to the application of modern educational technology in teaching. Modern education technology with advanced education idea and efficient management mode, rich teaching content and flexible teaching almost segment will become school; adapt to the requirements of the inch of development, an important way to realize the modernization of teaching [3]. But at present, the traditional teaching ideas

* Corresponding Author

and teaching mode is still the important factor that restricts the development of our province's colleges and universities. Most colleges and universities are not able to actively try the advanced modern teaching techniques.

The heavy is my province colleges and universities in the introduction of modern educational technology in a relatively short time, although there are many colleges and universities have multimedia classroom, campus network, electronic library and other modern educational facilities, with multimedia technology, network technology, virtual reality simulation technology of modern teaching, but due to the traditional teaching ideas and concepts and traditional teaching methods, which makes modern educational technology not in teaching are very good, especially in the application of sports teaching is little. In this thesis, the application of modern educational technology in college physical education is the research of the inner circle, the real and comprehensive application of the present situation of Shanxi province university sports teaching investigation, found the existing problems, analysis of the reasons, and some corresponding countermeasures and suggestions, so as to promote physical education, improve the application of modern education technology. At the same time, it also provides an effective reference for other subjects in modern educational technology.

2. Literature Review

2.1. Modern Education Technology

The concept of educational technology, although many experts and scholars still have different views, the most important concept is defined by the largest Association for Communications Educational Technology [4]. AECT (1994) defined Technology is the theory and practice of Instructional design development, utilization, and evaluation of processes and resources management for learning [5]. AECT Instructional Technology Educational Technology is Technology study the ethical and practice of performance improving facilitating by creating and Educational managing and technological learning processes using resources.

Although the new definition of creation, the concept of educational technology has been perfected and added by AECT. It has been widely recognized and supported by the academic community in the world. Modern educational technology is a Chinese concept, which is composed of "modern" and in the "educational technology", which is unique to our country. Modern education technology does not mean that the modern education technology, but the application of modern education technology, compared with the educational technology, there is no essential difference [6]. However, the modern education technology because of the increase of the content of the "modern", it is obvious that the extension is more obvious than the educational technology. Therefore, modern educational technology emphasizes on the integration of educational technology and contemporary time. It also emphasizes the use of modern theory and modern technology (such as computer technology, network technology, multimedia technology, modern communication technology).

The definition of education technology reflects the idea of "students as the center", and all parts of the educational technology should focus on and promote the students' learning. Defined in the definition of learning category refers to the change of behavior, knowledge and ability caused by experience. This is not only the starting point of educational technology, but also the ultimate goal of educational technology. The definition of the introduction, the research object, research scope, research methods and research purposes of educational technology are more specific and clear, and its connotation is mainly reflected in the following aspects:

- a) **Research object:** learning process and learning resources, the learning process is a broad learning process, which means that learners acquire knowledge and skills through the interaction of information and environment, including the learning process and the learning process of the teachers' participation [7]. Learning resources are all the resources that can be utilized by the learners in the process of learning, including human resources and non human resources. Human resources include the companion, the group, the group, the teacher, the non human resources including the teaching facilities, the teaching media, the teaching material, etc.
- b) **Research areas:** design, development, utilization, management and evaluation. Design is the process of generating strategies and products by using the learning conditions in order to achieve the process of generating strategies and products. It can be divided into four parts: teaching system design, information design, teaching strategy and learning characteristics. The development of learning resources and the learning process is transformed into a specific process, including printing technology, audio-visual technology; computer based technology and integrated technology [8]. The use of teaching process and teaching resources to promote learning activities, including the use of the media, innovation and promotion, implementation and institutionalization, as well as policies and regulations. Management refers to the process of teaching, organizing, coordinating and supervising the teaching process, which is divided into the project, the resources, the transmission system and the information management. Evaluation is the evaluation of the value of things, including the problem analysis, standard reference measurement, summary evaluation and formative evaluation of four parts.
- c) **Research element method:** system method. This approach advocates that the research object is considered as a whole system, and the research on the relationship between each component, structure, and function of the whole system is carried out by means of information transmission and feedback. System method provides a new way of solving the problem of educational teaching. It is the core of modern educational technology research.
- d) **Research purposes:** Education optimization. Education technology is the use of technology to optimize education, teaching process, in order to improve the effect of education, efficiency and effectiveness of the theory and practice. Educational optimization is to achieve the best teaching effect in a short period of time. Optimization has three standards: one is teaching quality and the overall quality of students the biggest increase; two is to use at least time to achieve the desired effect; three is the least investment in exchange for the biggest gain.

2.2. Network Education

The rapid renewal and development of modern educational technology has brought revolutionary changes in the field of education, but also showed obvious characteristics. Digitalization is one of the important characteristics of modern educational technology, including the digital of the software and hardware resources and the information resources [9]. The digital implementation not only speeds up the information transmission rate and the transmission range, but also improves the efficiency of resource sharing. Compared with the traditional paper education technology, digital carrier is not only small, large capacity, but also storage, portability is very convenient. The most important is that the digital information makes it possible to remote transmission and storage of the computer

network, which has laid the foundation for the prosperity of the modern network system.

Second important characteristics of modern educational technology: network. Network is the result of the perfect combination of computer technology and modern communication technology. The Internet has become the world's largest repository of information, through the computer network technology and modern communication technology, will be separated by thousands of miles of electronic equipment and distribution in different corners of the globe information resources connection pooling together to achieve resource information dissemination, integration and sharing. Computers, mobile phones, TV, and many other functions are not a variety of electronic devices, through the network can achieve a wide range of Internet, greatly facilitated the opening of information, breaking the time and space constraints and rich the original very limited information resources [10]. The impact of network on education is unprecedented, not only in the teaching content and teaching methods, but also from a fundamental reform of the modern education system and teaching mode. Teachers and students cannot out the school gate to be able to access to the world's most famous university library, being able to listen to the world famous master's guidance and teachings, even face to face conversations with them. Network education has formed a new growth point of the development of modern education, and will become the main direction of modern education technology.

Multimedia technology refers to the text, graphics, images, audio, video and animation and other media integrated together, through the computer or other advanced technology to deal with, become a real-time and interactive communication technology. Different devices can present, process, and transmit the same multimedia information, and the representation of educational information becomes more diverse. Compared with the single media teaching system, the multimedia teaching system has incomparable advantages, which mainly displays in: the first is to pay attention to the multi sense of the simultaneous stimulation, improve the learning effect; two is the amount of multimedia information, and the transmission speed is fast; three is multimedia information quality, wide application range; four is the multimedia technology is simple, easy to use; five is a very strong interactive multimedia.

The so-called modern education technology system, refers to the use of system engineering methods, modern education technology, the construction of the software and hardware, the full play to the overall effectiveness as a starting point, pay attention to the coordination between the hardware and software, to ensure that the entire system function to get the greatest extent. Hardware environment construction mainly includes network environment, development environment, storage environment, application environment, and the construction of training environment. Network environment construction mainly refers to the construction of the campus network system, and through the connection with other campus network, the Internet, thus forming a huge information network system. Development environment construction is to establish a variety of multimedia production center, a variety of media production and integration. Storage environment construction refers to the establishment of modern teaching media resources center, various teaching materials, teaching courseware, network courses, application software and other unified storage in the teaching resource library for teachers teaching and students learning. The application environment, including multimedia classrooms, multimedia laboratories, remote network classrooms, and electronic reading room, provides the main place for learners with different learning styles. Training environment is the modern education technology training center and other teacher skills training institutions, providing a variety of knowledge and

skills training. The software environment construction includes various teaching operation platform system, teaching resources and other application software, modern educational technology application mode and application method. The practice shows that the construction of modern educational technology software and hardware is complementary, the hardware of the update can play the biggest role, and the key is whether there is supporting software to support. The hardware update promotes the upgrading of the software, and the software upgrade is in turn. Therefore, the modern education technology system structure is complete or not, directly related to the overall level of information technology in Higher Vocational colleges.

3. Research Object and Main Method

3.1. Time and Objects

The wide application of modern educational technology in the field of vocational education has caused the widespread concern of the educators. Many experts and scholars have carried out the theory research of modern educational technology. In practice, the application of modern educational technology has carried on much beneficial exploration, and has achieved fruitful results, which has played a positive role in promoting the application of modern educational technology in higher vocational education. Study time from January 2015 to May 2015, 210 college students from Jinggangshan University has been selected for the research.

3.2. Research Method

The main research method including:

- 1) **Literature review:** according to the research purposes and contents of the paper, through the Jinggangshan university library, China Academic Journal Network, sports academic journals, the Internet to retrieve the relevant news reports, system search, access, collection, collation of relevant papers and information. To further understand the results of previous studies, reading related professional books, to provide a theoretical basis for this study.
- 2) **Practice method:** the red culture into the sports venues, sports, fitness, education, integrated education teaching method. 210 college students in the modern physical education teaching and learning in the classroom, certain red sports content. Such as of revolution of the Jinggang Mountains Red Wing legend, hard long march road, the Red Army's pole, hero fried the enemy fort, in behind the team, lone scouts, the Qiao son stretcher teams, FireWire JIMAOXIN. These projects, all of which have red historical culture, are based on real events in various historical periods, and have a profound cultural foundation, which is easy for college students to understand and accept. Time from September 2014 to January 2015 for a period of one semester.
- 3) **Questionnaire:** through a semester of teaching practice, the researches object of 210 college students in a questionnaire survey. The questionnaire was used in the five grade level evaluation method. Score for the 1-5 points, very important for 5 points, an important 4 points, the general importance of 3 points, not important for 2 points, is not very important for 1 points. The higher the score, the higher the rate.
- 4) **Statistical methods:** the data were processed by SPSS16.0, and the results were analyzed according to the data.

- 5) **Logical analysis:** through the use of comparison, deduction, induction, analysis, reasoning and other methods, the results of the logical analysis, from which to draw conclusions.

4. Empirical Analysis

4.1. Red Sports Culture and College Students' Belief

Ideal and belief is a kind of inner need and great spiritual energy, which is the focus of world outlook, outlook on life and values in the struggle. Faith and ideal are the dialectical unity, the ideal, the ideal, the ideal, the ideal of the pursuit and the realization of the ideal, the ideal direction and content of the conviction. The ideal and belief, once created, will produce a long spiritual power that governs human action. College students are the country and the nation's future and hope, only their strong, will win the future and hope, will in the forest of the nations of the world have a foothold. Their ideals and beliefs, directly related to the success or failure of the party's cause, the prosperity of the socialist construction and the future of the nation.

Table 1 results showed that red sports culture into modern physical education teaching in college students' firm ideal and faith in the investigation, in the "world outlook" mean 3.8095 and standard deviation for 0.74960, $T=23.289$ within the group. $P=0.000<0.01$; in the "outlook on life" mean to 4.3810, and a standard deviation of 0.74001, $T=27.129$ within the group. $P=0.000<0.01$; in the "values" mean for 4.0952 and standard deviation for 0.83095. Within the group $T=22.585$, $P=0.000<0.01$; important shows the extent of the group disagreement, have very significant difference. That is to say, the red sports culture into the modern physical education teaching of College Students' ideal and faith has a very significant help and raise awareness. The ranking of the degree of the ranking is: outlook on life, values, world outlook.

Table 1. College Students' Ideal and Belief (N=210)

Index	Mean	Stand.dev.	T value	P value	Ranking
World outlook	3.8095	0.74960	23.289	0.000	3
Outlook on life	4.3810	0.74001	27.129	0.000	1
Values	4.0952	0.83095	22.585	0.000	2

4.2. Red Sports Culture and College Students' Innovative Thinking

In the narrow sense, the creative thinking is the first time in the history of human knowledge, and has a higher social significance of advanced thinking. In a broad sense, to a specific subject of thinking, all of which have a novel and unique sense of any thinking, can be regarded as an innovative thinking. Innovative thinking has become the mainstream thinking mode in the international community. Thinking is the core of intelligence, and any strategy is the competition of thinking. All successful people are conscious of their minds. Innovation for contemporary college students means to learn the dialectical inheritance, the courage to put forward their own ideas, bold to shout out their voices. To cultivate the recognition ability of the leading edge of science, to break the thinking mode of the formula, the ability of reverse thinking, the ability to reverse thinking.

Table 2 shows: the red sports culture into modern sports science college students' innovative thinking in education and teaching, in the "mean identification" scientific frontier collar is 4.4286, the standard deviation is 0.67612, in group $T=30.016$, $P=0.000<0.01$; in the "mean break set mode of thinking" is 3.9048, standard deviation

0.76842, group $T=23.286$, $P=0.000<0.01$; in the mean value of "reverse thinking" is 3.7619, the standard deviation is 1.04426, in group $T=16.509$, $P=0.000<0.01$; in the "mean anti scattered thinking" is 3.4286, the standard deviation is 0.92582, in group $T=16.971$, $P=0.000<0.01$; importance within the group that have very different opinions, significant difference. That is to say, the red sports culture into modern physical education teaching of College Students' scientific innovation ability of thinking has a very significant help and improve. The rank of the rank is: the identification of the leading edge of science, the thinking mode of breaking the formula, the reverse thinking, the thinking of the anti scatter.

Table 2. College Students' Innovative Thinking (N=210)

Index	Mean	Stand.dev.	T value	P value	Ranking
Frontier Science	4.4286	0.67612	30.016	0.000	1
Break the mode of thinking	3.9048	0.76842	23.286	0.000	2
Reverse thinking	3.7619	1.04426	16.509	0.000	3
Anti scattered thinking	3.4286	0.92582	16.971	0.000	4

4.3. Red Sports Culture and College Students' Revolutionary Spirit

The spirit of the Chinese revolution is the Chinese people under the leadership of the Communist Party of China takes Marxism as a guide, accumulated in the process to overthrow the three big mountains, fight for national independence and achieve socialist modernization and the great rejuvenation of the Chinese nation's precious spiritual wealth. First, Chinese revolutionary spirit is the firm belief, spiritual pursuit of ideal. Second, the Chinese revolutionary spirit is the spirit of the liberation of the mind, seeking truth from facts, the spirit of the theory with the actual. Third, the Chinese revolution spirit is closely linked with the masses, serve the people wholeheartedly. Fourth, the Chinese revolutionary spirit is the spirit of hard struggle, self-reliance. since the reform and opening up, China occurred earth shaking changes, the comprehensive national strength are significantly improved, and gradually improve the people's quality of life, but when people material wealth to the promotion at the same time, but ignored the development of spiritual civilization. For example, most college students are the only child, some college students cannot take care of themselves, too dependent on their parents, lack of independent spirit. College students are highly educated, with the most potential and the most creative groups. The full use of the positive function of the spirit of tenacious revolution can effectively help the contemporary college students to improve their ideological level, moral cultivation and psychological quality, to build a strong spirit of their "wall", especially in the spirit of the role played by the spirit.

Table 3 shows the red sports culture into the revolutionary spirit of modern college students strong in physical education teaching, the "average firm belief, the pursuit of the ideal spirit" is 4.3810, the standard deviation is 0.66904, in group $T=30.007$, $P=0.000<0.01$; in the mean "emancipating the mind, seek truth from facts, theory and practice the spirit of" the 3.7143, the standard deviation is 0.84515, in group $T=20.140$, $P=0.000<0.01$; "mean in close contact with the masses, put one's heart and soul into the spirit of serving the people" is 3.3333, the standard deviation is 1.01653, in group $T=15.027$, $P=0.000<0.01$; in the "mean the spirit, work hard and perseveringly rely through one's own efforts" is 3.8095, standard deviation 0.98077, group $T=17.800$, $P=0.000<0.01$; importance within the group that have different opinions, there are very significant differences. Namely, the red sports culture into the modern physical education teaching of College Students' tenacious revolutionary spirit of a very significant help and improve. The ranking is as follows: faith, take the bull by the horns, the pursuit of the spirit of the ideal; the spirit of hard work and self-reliance; emancipating the mind,

seeking truth from facts and theories contact actual spirit; close ties with the masses, the spirit of serving the people wholeheartedly.

Table 3. College Students' Revolutionary Spirit (N=210)

Index	Mean	Stand.dev.	T value	P value	Ranking
Firm belief	4.3810	0.66904	30.007	0.000	1
Seek truth from facts	3.7143	0.84515	20.140	0.000	3
Service for the people	3.3333	1.01653	15.027	0.000	4
Work hard and perseveringly	3.8095	0.98077	17.800	0.000	2

4.4. Red Sports Culture and College Students' Moral Character

The so-called moral character, it refers to a kind of people's inner psychological quality, the character is the temperament of the habit or moral behavior of the accumulation of moral character. Moral character is composed of moral cognition, moral emotion, moral belief, moral will and moral behavior. Moral character influences a person's past, present, and future, and what kind of moral character will determine the future of a person. College students are the most active members of the society, their moral quality is related to the success or failure of the socialist cause of our country, the development of the country and society are important. Therefore, the cultivation of College Students' moral quality is a very important thing. During the period of Chinese socialism, the most noble, the most able to embody the interests of the proletariat and the broad masses of the working people is the Communist moral character.

Table 4 shows: the red sports culture into the moral quality of college students in physical education teaching of modern noble, in the "mean moral cognition" is 4.0952, the standard deviation is 0.62488, in group $T=30.033$, $P=0.000<0.01$; in the "mean moral emotion" is 3.8095, the standard deviation is 0.81358, in the group of $T=21.458$ $P=0.000<0.01$, in the "mean moral beliefs;" 3.2381, the standard deviation is 0.99523, in group $T=14.910$, $P=0.000<0.01$; in the "mean moral volition" is 3.3810, the standard deviation is 0.86465, in group $T=17.919$, $P=0.000<0.01$; in the "mean moral behavior" is 4.4762, the standard deviation is 0.74960, within the group $T=27.364$, $P=0.000<0.01$; importance within the group that have different opinions, there are very significant differences. It can be seen that the red sports culture integrated into the modern physical education teaching has the very significant to help and improve the moral quality of college students. The rank of the rank is: moral behavior, moral cognition, moral emotion, moral will, and moral belief.

Table 4. College Students' Moral Character (N=210)

Index	Mean	Stand.dev.	T value	P value	Ranking
Moral cognition	4.0952	0.62488	30.033	0.000	2
Moral emotion	3.8095	0.81358	21.458	0.000	3
Moral belief	3.2381	0.99523	14.910	0.000	5
Moral will	3.3810	0.86465	17.919	0.000	4
Moral behavior	4.4762	0.74960	27.364	0.000	1

5. Conclusion

Red sports culture into the modern physical education teaching of College Students' ideal and belief in the ideal of building a correct outlook on life, values, world view has a very significant help and raise awareness. The sort of the degree

of the order is: outlook on life, values, world outlook. Red sports culture into the modern physical education teaching of College Students' scientific innovation ability to improve the ability to help. The ranking of the ability of the rank is: the recognition ability of the frontier of science, the ability of breaking the thinking mode, the ability of the reverse thinking, the ability of anti - thinking. Red sports culture into the modern physical education teaching of College Students' indomitable spirit of the revolution has a very significant help and improve. The spirit of lifting arrangement is as follows: the firm faith, take the bull by the horns, the pursuit of the spirit of the ideal; the spirit of hard work and self-reliance; emancipating the mind, seeking truth from facts and theories contact actual spirit; close ties with the masses, the spirit of serving the people wholeheartedly. Red sports culture into the modern physical education teaching of college students in the high moral quality of the training has a very significant help and improve. In order to improve the ranking of cognition, moral behavior, moral cognition, moral emotion, moral will, moral belief.

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