Research on the Promotion Strategy of Multimedia Network Educational Platform in College Sports Education

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Abstract. With the gradual innovation of informational technology in China, various industries have carried out innovative reforms. As we all know, the practice of physical education can exercise students' physical quality and enhance their resistance. It can also educate the students in ideology and moral character. As the application of network education platform is extensive, the application of platform in college sports education is the focus of physical education reform. This paper analyzes the benefit and importance of the application of network sports teaching in college physical education courses, and finally gives the corresponding conclusions.

Keywords: Network teaching, College, Physical education

1. Introduction

The emergence of multimedia technology and the reform of Informational era have a tremendous impact on the traditional teaching mode[1]. Former teaching concepts, teaching forms and teaching methods have gradually changed. In recent years, multimedia network education has become the main direction of future development. It is used in many fields of academic circle[2]. Physical education is a necessary part of college teaching. With the breadth of the scale of colleges and the rise of the quantity of students, the teaching of former physical education has raised the difficulty of teachers' teaching[3]. At present, how to integrate the advanced multimedia technology into the traditional teaching is the main target of the school sports workers. Therefore, the establishment of network teaching platform has great practical significance and theoretical value for the research of college physical education.

2. Summary of multimedia network teaching

2.1. The basic concept of network teaching

Network teaching is a comprehensive teaching method based on modern Internet technology[4].
Because of the gradual progress of communication technique, researchers found that traditional classroom is difficult to attract students' attention compared with multimedia technology[5]. Multimedia teaching methods can use picture, audio and video to make the dull classroom interesting and vivid (see Table 1). Therefore, scholars believe that the comprehensive application of multimedia teaching platform and modern teaching methods have become the inevitable trend of University Education.

Table 1. Development of distance education

| Option           | First generation | Second generation | Third generation |
|------------------|------------------|-------------------|------------------|
| Years            | 1960s            | 1980s             | 1990s            |
| Edu-classification| Classroom education | Distance education | Distance learning |
| Technology       | Audio-visual     | Information       | Interactive-audio |
| Major media      | Press            | TV                | Intelligent device |

2.2. The main features of network education

①Students' learning time is flexible

Network teaching can break the limit of traditional teaching time and place with the help of modern multimedia technology. Students can easily access the internet educational platform only with the aid of devices that can connect to the network[6]. This sort of educational method can make students study independently anytime and anywhere, and then enhance the efficiency of learning.

②Rich educational sourcebook

The gradually progress of Informational technology has realized the global resource sharing. In the Internet, every teacher or scholar can publish learning resources. Learners can find the learning materials they need through the Internet search function. This way can effectively get rid of the limitation of traditional book materials and make sure students can learn the latest cutting-edge knowledge of International technology

③Powerful function

With the support of powerful Internet technology, multimedia teaching combines video and audio to show and analyze the teaching content to students. This vivid form of knowledge can attract the students' attention and help them understand the relevant learning content intuitively.

3. Benefit of the service of network teaching platform in college physical education

3.1. Platform breaks the time and space limit of sports education learning

In the traditional educational mode of sports education, students can only learn knowledge in the classroom. The establishment of network platform has broken this limitation. It has significantly improved the students' cognition level of sports knowledge and skill learning. This sort of educational method allows students to study physical education in dormitories, families and communities with the aid of Informational technology.

3.2. The platform gives sufficient play to the character of teaching guidance of Teachers

The development of network teaching is not to replace the role of teachers in the classroom. On the contrary, teachers should guide and assist students in self-learning. In the process of sports teaching on the Internet, students can learn professional sports knowledge with the help of the platform. In the
same breath, teachers should assist students to overcome the problems in practical learning.

3.3. The platform can satisfy the personalized learning content and needs of students
With the gradually progress of Informational technology, campus network has covered the whole campus. In usual learning and life, students can use intelligent devices to get rich learning materials. Therefore, multimedia teaching platform can offer students with personalized learning space (see Table 2). This way not only satisfies the students' personalized learning content, but also can significantly improve the teaching level of college physical education.

| Multimedia usage                      | Satisfaction | Ranking |
|---------------------------------------|--------------|---------|
| No blackboard writing in the whole process | 55%          | 3       |
| Interleaved use combined with blackboard writing | 67.42%       | 2       |
| Full use combined with blackboard writing | 69.4%        | 1       |
| Occasional use                        | 45.8%        | 4       |
| Average                               | 60.05%       |         |

4. The importance and significance of multimedia physical education

4.1. The importance of multimedia sports education
The content of traditional sports education is single, so students can't concentrate on the classroom. The application of network teaching has a great influence on traditional teaching. It can provide students with an open learning environment and rich resources. Generally speaking, the use of network teaching has cultivated students' initiative exploration and professional thinking ability.

4.2. The significance of network sports education
Multimedia network sports education is very essential to the development of physical education and the preferment of teaching quality. The most important content of sports education is students' physical activities. If students can't do physical exercises, physical education class has lost its soul. Therefore, teachers need to gradually adapt to this new teaching mode, which has played a essential part in promoting the development of modern education.

5. The promotion strategy of network education system in college sports education

5.1. The state should encourage the education department to establish the network platform of sports education in colleges
Physical education is a practical and participatory teaching activity. Although online courses can help students learn independently, the network course of physical education lacks systematisms and integrity at present. Therefore, the state should encourage the education department to improve and reform the network sports teaching system, which is an essential teaching resource construction.

5.2. The education department should set up the fund of network teaching and enhance the technical support of its software and hardware
Multimedia teaching platform is not a program or a system. Compared with the former educational mode, its application puts forward higher demand for the quality of software and hardware and the
stability of the platform. Therefore, the education department can establish a special fund and strengthen the technical support of the network platform.

5.3. The platform should set up layered teaching module and content

Each student's acceptance of knowledge is different. The inevitable trend of the development of network educational platform is to establish interactive and intelligent teaching mode. Therefore, the setting of teaching platform should pay attention to the realization of hierarchical teaching content management, which can improve the accuracy of network platform.

6. Conclusion

With the gradually progress of Internet technology, the use of network educational platform with many advantages in college sports education has become a popular teaching method. We should combine network education with former teaching to develop a comprehensive teaching mode. This kind of educational method can help students learn sports knowledge more easily and improve the quality of sports teaching in China.

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