

# Research of the Application of Multimedia Technology on College Badminton Teaching

Chen Zhu

Guangzhou Civil Aviation College, Guangzhou, Guangdong, China

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**Abstract:** Badminton is popular in china and is one of the important contents of mass sports and fitness. In recent years, many universities have also used badminton as an important content of public sports teaching. Badminton has gradually become a popular item in college sports teaching. This article mainly uses the literature method, questionnaire survey method, expert interview method, and mathematical statistics method to study the current application of multimedia technology in badminton teaching. It investigates and analyzes the current difficulties in multimedia teaching, and aims at how to reasonably using multimedia technology to discuss, i hope to provide some reference for badminton teaching reform.

## 1. Introduction

With the continuous development of China's folk badminton sports in recent years, the sport of badminton has gradually become one of the important teaching content of physical education in ordinary colleges and universities in China, and it is also the primary item for the majority of students to exercise. The sport of badminton is very helpful for promoting students' physical fitness and improving students' awareness of physical exercise. Moreover, the school can also cultivate students' psychological quality by organizing different forms of badminton sports games. However, judging from the current situation of physical education in China, there are still many students who have rarely touched badminton before colleges and universities, and some students have not even touched badminton. This time, the characteristics of badminton sports technology are complex and delicate. Badminton teaching has put forward higher requirements, and this requirement has also raised new challenges for teachers of badminton in ordinary universities. Based on the current status of badminton teaching in colleges and universities, this article analyzes the application of multimedia technology in badminton.

## 2. Characteristics and Advantages of Multimedia Technology Teaching

In the teaching of badminton technology for students, if physical education teachers only use traditional teaching methods and teaching methods, teaching loopholes will inevitably occur in badminton teaching, and when multimedia technology is used to assist teaching to explain badminton technology, it can break through time and The advantage of space is that the various technical actions in badminton teaching are fully decomposed and detailed, and students will also see a more intuitive presentation. Therefore, in the teaching of badminton technology, the use of multimedia technology to assist teaching is easier for students to understand the teaching content than the relatively single, traditional demonstration teaching. Mastering more badminton technology makes the whole teaching process more scientific and rational. In addition, the use of multimedia-assisted teaching can also break away from the centralized teaching model of physical education. At this time, students can use their spare time to review the badminton courseware produced by the teacher and further deepen the badminton sport through discussions between groups. Understanding.

In the course of badminton teaching, the completion of many technical actions is very difficult when explaining to students. The traditional teaching demonstration results often fail to achieve the expected results, especially for technical actions such as flying up in badminton technology.

Teachers are very It is difficult to use language to express to students, and it is difficult for students to understand the meaning of teachers and the technical essentials. The traditional teaching model has also brought a lot of obstacles to badminton teaching. With the aid of multimedia technology, teachers can not only allow students to intuitively understand the essentials of badminton technical movements, but also to establish clear action appearances in the students' minds, so that students can better remember the structure of movements, and thus more Conveniently solve problems in teaching, which is very helpful for improving the efficiency of learning badminton technical moves. The use of multimedia-assisted teaching in the study of professional skills in badminton sports can increase the amount of information output by students, improve students 'sense of facial features, and help students to more intuitively and professionally accept professional knowledge and badminton skills, and continuously deepen students' skills in various technologies. The understanding and mastery of movements accelerates the formation of motor skills. In addition, because students have different degrees of understanding of badminton technology, multimedia technology-assisted teaching can also slow down badminton technical movements according to the level of understanding of different students. This also avoids students with low understanding to learn badminton technology. Better promote the diversified development of students' badminton technology.

### **3. Application Analysis of Multimedia in Badminton Teaching**

Multimedia-assisted teaching and the use of modern teaching equipment to quickly provide intuitive, vivid, specific, accurate and reasonable feedback information are positive ways to improve and enrich traditional teaching methods. In the course of the experiment, the teaching of the experimental group gave full play to the advantages of multimedia technology teaching, and multimedia-assisted teaching was used in the teaching of various techniques of badminton according to teaching needs. In the preparation part of the lesson, let students watch the technical content to be learned in this lesson; combine technical explanations, demonstrations and multimedia presentations according to the actual situation in the lesson, and play the role of multimedia technology in error correction; use multimedia at the end of the lesson The technology is properly summarized. Experiments have proved that the proper use of multimedia-assisted teaching is conducive to giving play to the leading role of teachers; it is conducive to breaking through teaching difficulties and visualizing abstract problems; it is also conducive to giving play to students' subjective role, mobilizing and motivating students to learn and motivate Improve the efficiency and effectiveness of classroom teaching.

A questionnaire survey was conducted on badminton teachers 'knowledge of multimedia teaching. From the results of teachers' knowledge of multimedia teaching in Table 1, current badminton teachers still have some knowledge of teachers, of which 25% of teachers understand multimedia teaching. 15% of the teachers are very knowledgeable about multimedia teaching, 37.5% of the teachers are not very knowledgeable about multimedia teaching, and 22.5% of the teachers are very not aware of it. As physical education teaching in colleges and universities has always advocated the reform of teaching methods and the application of modern teaching methods, many colleges and universities have used multimedia teaching in teaching, and have achieved very good results. Teachers have gradually understood and accepted multimedia teaching. However, some teachers still lack the understanding of multimedia teaching and rarely use multimedia teaching in teaching.

The attitude of badminton teachers to multimedia teaching directly affects the implementation of multimedia teaching. To this end, a questionnaire survey was conducted on badminton teachers' attitudes towards multimedia teaching. From the overall results of the survey, teachers still favored the use of multimedia teaching. Up to 37.5% of teachers are in favor of multimedia teaching, and 25% of teachers are very supportive. However, it should also be found that 37% of teachers are still opposed to multimedia teaching. Multimedia teaching has become an important part of modern teaching methods, and is widely used in different disciplines. The use of multimedia teaching in physical education has also become a trend. Badminton teachers must also actively understand and

use multimedia teaching.

Influencing factors on the use of multimedia teaching in badminton teaching for teachers, 57.5% of teachers believe that inadequate teaching facilities are the main influencing factor, 35% of teachers think that multimedia teaching is ignored in teaching, and 15% of teachers think The difficulty of making multimedia teaching courseware is the main influencing factor. The application of multimedia teaching in physical education requires in-depth research. Many schools have inadequate teaching conditions and lack of multimedia teaching facilities. Teachers can only use simple iPads and mobile phone videos for teaching, and the teaching effect is not satisfactory. Teachers' subjective neglect of multimedia teaching has also become an important influencing factor in the application of multimedia teaching. The production and use of multimedia teaching courseware is also a difficult problem for teachers. How to choose and edit courseware to enable students to pass multimedia courseware The fast learning of mastering technical actions has also become a problem to be solved in multimedia teaching. Multimedia teaching is not only to play some audio-visual materials for students, but also to edit and edit these audio-visual materials, use some software to process badminton technical movements, and facilitate the reasonable use of teaching.

#### **4. Research on the Development of College Badminton Teaching**

Teachers are always the first element of teaching security. In the survey, it was found that there are two main problems with badminton teachers in universities in Changchun. First, some teachers are not professional enough. Badminton teachers cannot guarantee that they are badminton researchers. The study major is not a badminton major, but a badminton teaching post that is temporarily changed according to the needs of the school. Second, the age distribution of teachers is relatively even, and the teaching concepts of old and young teacher conflict. According to the shortcomings in teaching, we should start to adjust from the following two aspects.

The rise of badminton on the campus was relatively late, and it is difficult for today's teachers to be taught entirely by professional badminton teachers. Some teachers just love or obey school requirements to serve as badminton teachers. During the period, there are many problems such as insufficient knowledge, scientific teaching methods, and loss of teaching interest over time. With the birth of a large number of college sports talents and the retirement of older teachers, schools need to re-introduce badminton teachers when promoting badminton. This opportunity should strengthen the professional requirements for newly introduced badminton teachers and continue to update them. Improve the school's badminton teachers' education, skills, and other hard indicators, and gradually build a more professional teacher team.

The badminton sport itself is extremely entertaining, fitness and competitive. Students learning to participate in badminton can not only exercise the body and develop sports skills, but also enhance their own stress resistance, cultivate solidarity and assistance, and increase classmate friendship. Today's badminton teaching has not fully tapped its own functions. Teachers and students should strengthen their awareness of badminton sports and take in-depth teaching and participation. First, strengthen teachers' post-job learning and enrich their knowledge structure. Schools should continue to provide post-job training for teachers and provide opportunities for exchange and learning, and increase the understanding of badminton teachers in badminton. The badminton teachers in various schools should conduct teaching exchanges from time to time, enrich their teaching content, and actively participate in related training to learn badminton teaching. New methods and deepening knowledge structure, constantly changing their understanding of badminton teaching, timely understanding of badminton-related information in the society, so as to keep pace with the times, teaching methods change with the advance of time, so that badminton teaching continues to deepen. Second, improve students' awareness of badminton and promote deep learning. The convenience and comfort of badminton has prompted many students who are unwilling to choose other programs to choose badminton as an elective course for sports. The purpose is to complete credits without being too tired. This situation also causes students to be inactive in badminton classes. The main reason for participation. In the course of badminton teaching, we must

not only teach badminton knowledge and technology, but also try to explain the role of badminton and show the charm of badminton, so that students have a different understanding of badminton, and make students realize that badminton is not just a sports skill. It is also a sports art course that can be studied both inside and outside to cultivate all aspects of body and mind.

## 5. Conclusion

Teachers must have a correct understanding of multimedia teaching, cannot resist multimedia teaching, improve their understanding of multimedia teaching, actively understand the advantages and disadvantages of multimedia teaching, make active attempts in badminton teaching, and reasonably introduce multimedia teaching to teaching. Teachers should aim at the characteristics of badminton teaching, reasonably handle the teaching content, make full use of the advantages of multimedia teaching, use two-dimensional and three-dimensional space design, turn text into image, turn movement into static, turn fast into slow, Every subtle change is demonstrated one by one. The production of courseware must meet the needs of teaching. We must not show off the audiovisual effects of media courseware too much and ignore the need of teaching. Multimedia teaching is an effective auxiliary method for badminton teaching. Multimedia teaching is a supplement. It cannot expand the effect of multimedia teaching too much, and ignore the use of traditional teaching methods. Multimedia teaching must be combined with traditional teaching methods to be better. Improving the teaching effect of badminton, so that students can quickly improve the technical level of badminton.

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