The Use of Intelligent Remote Multimedia Physical Education System

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Abstract: In today's era of rapid development of science and technology, distance learning and multimedia teaching has been widely used in teaching various subjects, and also has gained remarkable achievements. In recent years, more and more intelligent remote multimedia teaching methods widely used in teaching, but the technology is still in the development stage. There are some shortcomings and deficiencies. But the intelligent remote multimedia sports teaching system does provide great help for teachers and students, and stimulate the students' interest in learning sports.

Introduction

With the development of computer technology, multimedia technology, communication technology, the field of education in our country, there has been exploring new education model represented in educational technology, including distance education is quite prominent part. Bilateral activities and sports teaching is a highly practical and participatory teaching and learning, the current resource on the network is small relative to other disciplines, and the lack of systematic and integrity, so the remote network education system of Physical Education the use is very necessary.

Physical Education Status

Physical Education is a highly practical bilateral activity of teaching and learning is basically a traditional physical education "Teacher Demonstrations - Students simulate operation" injection teaching. Students practice passive, mechanical, and its potential not fully exploited; teachers often feel powerless to do demonstrations, students cannot be explained figurative understanding, visual aids can achieve their teaching.

As a supplement to teacher-based classroom - computer-aided teaching system, although you can make up for some deficiencies, but the traditional system is a stand-alone course content will all preset programmatically in courseware, teaching courseware requirements stated path and content start. Due to lack of the necessary means of communication and intelligence, teachers and students cannot achieve the interaction. Teachers cannot fully realize in all aspects of the role of teaching, and they cannot adopt different teaching strategies according to individual teaching students in different situations. With the computer network technology matures, the field of artificial intelligence, expert systems success in school teaching for the development provides a new space for networking and intelligent school sports has become the development direction of school teaching.

Analysis the Requirements of Intelligent Remote Multimedia Sports Teaching System

Features Intelligent Multimedia Remote

Intelligent Remote multimedia teaching is mainly achieved through non-face teaching media a teaching method. The main features of the intelligent remote multimedia teaching are as follows: basic level gap between students and learning ability is uneven; teaching time is different, not a fixed place of study, teaching is not the time and place constraints; physical education curriculum has a strong practical, so be prepared to richer multimedia teaching practical cases for teaching;
students 'thinking is very active sports, so there will be a lot of questions, which the teacher-student interaction, and great interaction between the students' needs.

**Defects of Traditional Remote Multimedia Teaching System**

Traditional remote multimedia teaching system has many deficiencies, but the function is not very strong, with a focus on teaching materials to show major flaws as follows: instill more serious teaching, teaching system functionality Guidance poor; but also a big gap between the level of learning for students, unable to meet the learning needs; teaching and learning process cannot be reconciled, cannot get better teaching effect, teaching cannot be better oversight and feedback; practical teaching of strong part is difficult to achieve. Therefore, intelligent remote multimedia sports teaching to be analyzed for defects above the traditional way, try to solve the problem has been found.

**Analyze the Requirements of Intelligent Remote Multimedia Sports Teaching System**

**Functional**

Intelligent remote multimedia teaching is mainly for online communication and learning between students and teachers, students can access and query the system by teaching course material, they can also use a variety of ways to interact with their classmates and teachers to communicate and discuss. Multimedia teaching system can also provide students with the status and effectiveness of online learning in order to achieve real-time monitoring purposes, but also to improve the effectiveness of teaching. Intelligent remote multimedia teaching methods to inspire students to take the initiative to learn and has a strong Guidance feature. Meanwhile, in order to stimulate a more active student learning, teaching systems can also provide independent member learning space. That is, the user is set to super administrator, general administrators and ordinary users; the general manager of the course is mainly publishing module management.

**Application of Computers and Multimedia Teaching in Physical Education**

Intelligent Remote multimedia teaching is a new way of teaching the rise in recent years, has been used in physical education, students' interest in intelligent remote multimedia teaching is very strong. And there is a wealth of multimedia teaching materials and material can all aspects to show sports knowledge to ensure that students acquire more knowledge in a short time.

**Teaching Methods of Computer Multimedia Functions Applied to Physical Education**

You can download or buy the disc on the relevant website, venue, equipment, material library applications, establish the appropriate venue, equipment, material library, through an intuitive way for students to demonstrate knowledge of sports to master. Download on related sites such as the Beijing 2008 Olympic Games venue design, the use of intelligent multimedia technology showcase for students, so that students feel the most advanced sports functions and design philosophy. Application of multimedia animation clips to introduce students to the relevant sports knowledge, students observe sports, and teachers make targeted analysis and explanation. Ensure that students master the standards faster action. The new technology through multimedia technology in action and difficult way to play in slow motion, and more conducive to students to observe and learn. Also allows students to comprehend the deeper elements of each action.

**Take Advantage of Sporting Courseware**

Teachers should make full use of existing courseware, sports teaching process, the use of interactive courseware itself to promote more active student learning. Courseware using strong representation of the screen, simple text and vivid wonderful art form, matched with a vivid description of the voice. Make students want to learn more interested in sports knowledge, but also can improve students' sports and cultural qualities; teachers can make a more detailed analysis and explanation in the rules of the game and the referee rules. Such as basketball technologies include offensive and defensive techniques, the courseware should contain relevant concepts basketball skills,
demonstrations and practical demonstration of the structure, the action mainly cover courseware, teaching content and technology-related text, images, and video clips. Fig.1 shows the the application of intelligent remote multimedia in teaching physical education.

![Figure 1. The application of intelligent remote multimedia in teaching Physical Education.](image)

Establishing the Correct Concept Quickly, Shortening the Generalization Process

The formation of a new action must be through listening, the course of action seems sensing technology, which requires teachers to have a high level of technology and the ability to demonstrate the action, otherwise irregular movements demonstrate a direct impact on student learning results, which the current level of teachers and teaching needed to produce a contradiction. Using multimedia teaching can help teachers to resolve this contradiction.

Combine Action Demonstration in Favor of the Teacher to Explain to Highlight the Important and Difficult Technical Movements

Some sports textbooks, teaching demonstration in the process cannot be synchronized commentary, slow motion demonstrations, and through multimedia courseware is very easy to do. Teacher animation or video courseware using slow motion, pause and replay teaching methods combined Demonstrations show it, we can help students see the technical details of every moment of action, faster and more comprehensive action to establish the performance of this will be conducive to the students grasp key and difficult action to improve the teaching effect, reducing the teaching process.

Comparison of Methods to Help Teachers to Adopt Timely Action to Correct Students' Mistakes

In order to reduce and avoid errors arising in practice the students, teachers should demonstrate the correct action also pointed out the error and explain the causes of action wrong actions. Allow students to watch and think, think for themselves, comparing themselves to avoid many common mistakes actions. This will not only enable students to grasp the action, but also to develop students' ability to observe and analyze.

Conclusion

Intelligent remote multimedia sports teaching system, not only can stimulate students' interest in learning sports, but also simplifies the process of teaching, but because there are some flaws practice some sports teaching system, scholars need to continue to explore and improve in order to
improve the effectiveness of Physical Education. Intelligent remote multimedia training high-quality physical education is the key to the future of sports talents to participate in sports competition. Intelligent remote multimedia modern physical education physical education has injected new vitality; it also brings new opportunities and challenges. Take advantage of this human network of valuable wealth of knowledge, and strive to change the current teaching and research presence in the sports of passive backwardness. I believe in the near future, intelligent remote multimedia Physical Education will be widely used in physical education, our sports will radiate vigor and vitality.

References


