

# *Research on the Development of the Integrated Curriculum of the Pearl Ball Project*

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**Keywords:** pearl ball; national traditional sports; physical education curriculum system

**Abstract:** Pearl ball is a traditional Manchu sport, which originated from the pearl production activities of ancient Manchu. With the changes of sports and the reform of education and teaching, pearl ball teaching has begun to take shape and has become one of the traditional national sports courses in colleges and universities. Under the new curriculum education reform, the pearl ball of traditional national sports has been valued and deepened by the teaching reform. To a certain extent, the innovation of teaching methods and the novelty of teaching forms are emphasized, which creates conditions for the promotion of pearl ball sports in primary and secondary schools. The paper adopts the research methods of literature materials, data statistics and generalization to carry out research on the development of Pearl Ball Project in primary and secondary schools in Yongchuan District, and it is of great significance to deepen the physical education curriculum in primary and secondary schools.

## **1. Construction and implementation of pearl balls in the integration course of Yongchuan District**

### **1.1 Research on the implementation in Xinglonghu Primary School**

As we all know, the content of physical education in primary and secondary schools is mainly track and field, basketball, football, and gymnastics. These are relatively mature primary and secondary school exercise courses. But now more and more attention is paid to the development of new sports courses, and it is necessary to introduce new types of sports. Pearl ball is very suitable for entering the campus as a traditional project of ethnic minorities.

For primary school students, physical education classes are mainly to develop basic activities (walking, running, throwing, crawling, etc.) and gymnastics (bare-hand exercises, light equipment, etc.), mainly in the form of small game competitions. Because the development of pearl ball in primary and secondary schools is not mature enough, it is inappropriate to develop it generally, because this project has the shadow of basketball. It is more appropriate to carry out pearl ball sports on the basis of learning basketball. Xinglonghu Primary School has boys' and girls' basketball teams. This sport is first carried out in the basketball teams. The children have certain basketball skills. In the water area, the four offensive players attacked with the ball, which is very similar to the way of dribbling in basketball. If the basketball dribble is very skilled, then the pearl ball dribble can be mastered very easily. The two racket defenders in the isolation area need to jump to intercept the pearl

ball in order to prevent the pearl ball from being thrown into the back pocket. Therefore, both the isolation area and the scoring area require players with high height and long wingspan, but the maximum height cannot exceed 1.9 meters. This is the rule [1].

Slowly, interest selection was adopted later, and some interested students were allowed to learn pearl balls, and a pearl ball interest class was established to further let more children understand the sport. Other students can learn basketball, because the dribbling of basketball is the same as that of pearl ball. As long as you can play basketball, the pearl ball is very fast to get started. Now everyone in the elementary school can play a little basketball, so it is not difficult to develop it in the whole school later. Throw in some pearl ball games, get the kids involved, and a good sport will start soon.

## **1.2 Analysis and research on the implementation situation in Hongqi Primary School**

The difference between Hongqi Primary School and Xinglonghu Primary School in Yongchuan District is that there are two campuses. The Yuping Campus of the headquarters has 52 teaching classes, and the Danan Campus has 12 teaching classes, with a total of about 3,100 students, with an average of about 50 students in each class. The campuses are different, but the education is the same. At the beginning, the Pearl Ball game was also carried out on Yuping Campus. The basketball team was taught first, and then taught in the physical education class. The children who love this sport are organized into an interest class. It was only after it was more mature that Pearl Ball was developed to the Danan Campus. Because there are few students in the Danan Campus, it was easier to develop. In terms of technical level, it is still not as good as the basketball team of Yuping Campus. From the perspective of future development, we can each form a team to play exchange games, and we can accumulate friendship with each other, which is conducive to the exchange and cooperation between the two campuses.

## **1.3 Analysis and Research on the Implementation of the Pearl Ball Project in Chongqing University of Arts and Sciences**

As far as I know, this project is also carried out in Chongqing University of Arts and Sciences. In order to participate in the minority games, Chongqing University of Arts and Sciences has also formed a pearl school team. The physical development of college students is relatively good in all aspects. All the team members are selected from the sports academy, with the basketball special class as the team. Because their basketball skills are better than the average classmates. The techniques and tactics of pearl ball are very similar to basketball, and it will be faster to get started [2]. The difference is that the players holding the net and the racket have different technical points, but the height advantage is very important. Their achievements in the competition later on are also commendable, because their contact time is not long, and it is understandable that the opponents they encounter are specialized in this project.

## **2. Factors affecting the development of pearl ball movement**

### **2.1 The promotion of pearl balls is not enough**

Pearl ball is a traditional sport of ethnic minorities, and it is relatively well developed in ethnic minority areas, but it seems that many other regions have little or no understanding of this sport [3]. In recent years, due to insufficient publicity for ethnic minority traditional projects, coupled with the small number of competitions held, the development has lagged.

## **2.2 Not enough games**

Many sports require some competitions on the basis of publicity to enter the public eye. It was not until the 4th Democracy Games in 1991 that it officially became a competition event[4]. Apart from these large-scale events, other small-scale invitational tournaments were held very rarely.

## **2.3 There are fewer referees and related professionals**

Because there are too few games, usually players and coaches are temporarily selected from the basketball team to participate in pearl ball training. Basketball coaches are usually familiar with basketball techniques and tactics, and generally use the techniques and tactics in basketball games in the training of pearl balls. Once the players have mastered basketball techniques and tactics, they can accept them quickly [5]. Therefore, to a certain extent, when coaches formulate techniques and tactics for Pearl Ball, most of them are modified on the basis of basketball techniques and tactics. Therefore, to a certain extent, the innovation of pearl ball skills and tactics is not enough, which is caused by the lack of professional coaches.

The competition rules of pearl ball are formulated with reference to basketball, so the referees in pearl ball games are mainly temporary basketball referees. There are a total of three referees on the field, one referee in the water area and one referee in each of the two scoring areas. It seems to be very similar to the referee allocation in football games, but it is actually different. There are many limiting factors in the scoring zone. In many cases, it is normal to not see clearly due to the speed of the ball or the action is too fast, and the experience is lacking. Because the referees do not regularly conduct professional training, many times there are mistakes and omissions. The lack of referee professionals is also a problem.

## **2.4 The impact of conventional competitive sports**

As we all know, the biggest games in the world are the Olympic Games. The highest state of a sport is to enter the Olympic Games and become a recognized sport in the world. While the country is vigorously developing these projects, the investment in these non-Olympic projects will be much less, and the lack of funds will delay the development.

# **3. Suggestions for Addressing Resistance to Pearl Ball Development**

## **3.1 Do a good job of promotion**

To develop well, we must first formulate a relatively complete system. You can work with relevant departments to introduce pearl ball sports into the community. At the same time, the community should organize more small-scale competitions to mobilize the enthusiasm of the people and focus on entertainment [6]. The Sports Bureau can also hold more medium and large-scale competitions, and invite corresponding online media to broadcast live broadcasts, so that the energy of the pearl ball can go to the Internet, which is more conducive to the spread.

## **3.2 Training professionals**

For the professionals of pearl ball in our country, from coaches to athletes and referees, more professional training is carried out. It is possible to train relevant personnel in the sports major in the university first, as the main force for the subsequent development. The competition rules are updated and improved to make them more and more complete and applicable.

### 3.3 The combination of traditional sports and modern competitive sports

At present, modern competitive sports is the mainstream and has developed to a certain height. We can use its popularity to coordinate development. Because the pearl ball sport has a certain ornamental value, is it the first time to appear as a performer in the third national minority national games? Why not take it to the world? For the opening or closing ceremonies of some large-scale games, it can appear as a performance item, which can play a certain role in publicity.

### 3.4 Integration with school sports

Make full use of the school as a carrier and take the road of school sports. Education works best from an early age, so it is more appropriate to carry out pearl ball sports in primary and secondary schools. In order to develop well, the vast majority of sports are combined with school sports. Traditional sports have their own unique advantages, which are unmatched by other sports. From primary school to middle school and university, gradually understand the historical origin, rules, cultural background and so on of pearl ball. Let more young people love traditional national sports, so as to get popularization and promotion.

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