

Research on the Transformation of Competition Resources in Vocational Colleges from the Perspective of World Skills Competition

Wu Xiuhuan, Xue Yandeng, Sun Yibin

Shandong Labor Vocational and Technical College, Jinan, Shandong, 250022, China

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Abstract: The World Skills Competition is the world's top competition and a good platform for skills exchange in various fields. Its project standards, competition content and organizational management process have a very good guiding and guiding role for Chinese vocational education. Through analyzing and studying the technical documents of the World Skills Competition, this paper puts forward the content of talent training program design under the vision of the World Skills Competition, and explains the application of the results transformation from three aspects of professional curriculum reconstruction, faculty construction and training platform construction, which is of great significance for promoting the teaching reform of vocational colleges and improving the quality of high-quality talent training.

1. Introduction

The World Skills Competition (hereinafter referred to as the “World Skills Competition”) is called the “Olympic Games of Skills” in the world. The purpose of the World Skills Competition is to provide a platform for skilled talents in various countries and fields, and to achieve the purpose of mutual exchange and learning through the same competition. In recent years, with the continuous warming up of “World Skills Competition”, there has been an upsurge of developing skills competition in Vocational colleges. As an important means of training innovative talents, skill competitions play an increasingly important role in promoting the teaching reform of vocational education, assisting the construction of Chinese modern vocational education system, and guiding the industry to support and participate in vocational education. The World Skills Competition leads the training standards and direction of world skilled talents. In the process of training high-skilled talents in our country, we should incorporate the elements of the World Skills Competition, reform the training mode of talents, cultivate a large number of high-quality workers and talents with professional skills and craftsmanship spirit, realize the simultaneous advancement of skills inheritance and innovation and win the World Stadium, and provide strong guarantee for promoting Chinese manufacturing into the middle and high-end. How to adapt to the international rules of the World Skills Competition, adjust the level of skills training, and pass on the concept of excellence to the majority of vocational colleges and enterprises? How to focus on the processing precision and quality of the World Skills Competition, the combination of focusing on production and productization, and the concept of productization throughout the construction of teaching resources to improve the overall quality of students? The solution of these problems is of great significance to improve the quality of running schools.

2. Main Contents and Forms of Skills Competition Resources in World Skills Competition

2.1 Basic resources

Basic resources refer to resources that can be directly applied to teaching and guide students to learn. They include both theoretical knowledge and practical training content. It can be divided into two parts: first, competition rules, such as technical documents, competition rules, skills assessment points, scoring standards, etc., can correspond to the teaching objectives of professional courses; Secondly, the teaching methods and achievements extended from the competition, such as the

competition guidance scheme, training methods, competition operation process, test questions bank (real questions and sample questions) and other resources, can be used to supplement and improve the teaching content.

2.2 Expanding resources

Expanding resources is other auxiliary resources which are displayed in the course of the implementation of the World Skills Competition and are conducive to the development of students' comprehensive qualities on the basis of their skills. These resources are conducive to the cultivation of students' professional quality, communicative ability, innovative ability and the ability of solidarity and cooperation. For example, the operation process organization and communication cooperation during the competition, the display of new products of cooperative enterprises, and the show of the competition.

3. The Significance of Transforming the Resources of Skills Competition in the World Skills Competition

The World Skills Competition is an important platform for displaying and exchanging professional skills. Its competition concept, organization, competition rules, technical standards and work flow all represent the advanced level of development in the field of vocational skills in the world today. Its evaluation criteria not only emphasize high difficulty and speed, but also attach importance to every step in the production process. Accuracy and quality, the whole process has condensed the “craftsman spirit”. The leading role of the demonstration is mainly as follows: the project evaluation standard is the combination of teaching standards and industry standards. The content of the competition is the combination of teaching projects and characteristic skills. The competition process is the combination of teaching reflection and skill application. The competition organization is vocational colleges and industries. The combination of enterprises. Integrating the craftsmanship spirit of the World Skills Competition into the education of the school will help to improve the concept of training skilled personnel; Taking the competition standard of the world skill competition as the guide of the training goal is helpful to expand the concept of talent training. Transforming competition events into curriculum content is helpful to innovate the training mode of skilled talents. Applying the coach standard of the World Skills Competition to teacher training will help to improve the overall quality of teachers. The application of competition venue layout to training venue planning is conducive to the construction of high-end training bases.

4. Contents of Transforming Research Results of World Skills Competition

The integration of advanced skills concepts, skills standards and evaluation systems of the world skills competition with daily teaching, from technical documents to training methods to training concepts, can truly conform to international standards. It is the inherent requirement of vocational colleges to carry out education and teaching reform, improve the quality of training skilled talents and improve the training mode of skilled talents. Through in-depth study of the World Skills Competition, comprehensively and systematically sort out the technical essays and assessment criteria of the World Skills Competition, so as to find a point of convergence that can be transformed into daily teaching. The operation process and operation of the World Skills Competition have great similarities with the integrated curriculum system of vocational colleges. The two can be transformed from the following aspects:

- ① Between the technical documents of the World Skills Competition and the analysis of professional positions;
- ② Between the technical documentation of the World Skills Competition and the curriculum standards and specifications;
- ③ Between the project design and the learning task design of the World Skills Competition;
- ④ Between the construction of training resources and the construction of learning resources;

- ⑤Between the athletes' daily training and the implementation of learning tasks;
- ⑥Between the organization and implementation of training and the assessment of learning tasks;
- ⑦Between competition scoring system and learning effect evaluation;
- ⑧Between the construction of coach team and the construction of teacher team;
- ⑨Between the construction of training base and training platform.

The resources of the World Skills Contest are very practical. Through the mutual transformation between them and integrated teaching, teachers can apply the standards of the World Skills Contest, deeply integrate with the teaching content, redesign scientific and reasonable personnel training programs, and lay the foundation for the training of high-quality technical personnel.

5. The Application of the Research Results Conversion in the World Skills Competition

Following is the implementation plan for the reconstruction of professional courses, the construction of teaching staff and the construction of training platform in the talent training program.

5.1 The application in the reconstruction of professional courses

The World Skills Competition is jointly customized by international industry technical experts, technical experts and experts in vocational colleges. The competition requirements conform to the industry standards and post requirements of the relevant events. Its assessment content is the restoration of the real operation process of the enterprise in the competition venue. Moreover, the knowledge points and skills are comprehensive and can reflect the forefront of vocational skills. In-depth study of technical documents, mapping and transforming their assessment points with curriculum learning tasks and teaching contents, and building a curriculum system based on the rules of the World Skills Competition for the reconstruction of professional courses, make the teaching work more targeted, lay the foundation for the training of innovative skilled talents.

5.2 The application in the construction of teaching staff

Transforming the World Skills Competition project into a teaching project is a requirement and a challenge for teachers' teaching ability and professional ability. Teachers need to improve their professional level in order to establish a good link between the results of the World Skills Competition and students' teaching. Based on the improvement of teachers' ability in the World Skills Competition, we can start from the following aspects:

1) Encourage teachers to guide students to participate in the competition or young teachers to participate directly in the competition.

The entry for the World Skills Competition only requires the contestants to meet the age requirements, and other conditions are not limited. In organizing the competition, on the one hand, capable and shapeable students can be selected to participate in the competition, and teachers will appear as instructors. On the other hand, qualified young teachers are encouraged to participate in the competition and appear as athletes.

2) Standard docking, leading the development of teachers'team.

In the technical documents, the competition items of the World Skills Competition mention the need to test the operation ability of the players and the professional theoretical knowledge involved. The range is wide and the content is large. It needs professional teachers or a team of teachers to guide. This requires teachers to reserve knowledge and ability according to the standards of the world skills competition items so as to train qualified players.

The title of the World Skills Competition is provided by experts who are proficient in vocational education and industry standards. Experts will present the currently generally accepted professional competence requirement system and judgment criteria, and show the actual process of professional operation in the form of competitions. At the same time, the participating teams will be encouraged to associate the competition competence requirement system with their own specialties, thus promoting the cultivation of high-quality talents.

In addition to the core professional level, the World Skills Competition also puts forward four requirements for skills: social and communication skills; and the use of modern information technology; the third is the inheritance and retention skills of culture; the fourth is the ability of teamwork. These standards are the guidance of the teaching team to train all-round high-quality talents. Teachers need to compare the standards, study the teaching content, and develop the students' ability. At the same time, according to this standard, improve their own business level, and finally cultivate high-quality skilled personnel. .

3) Improve the overall quality of vocational education teachers against the standards of the World Skills Competition.

(1) Improve teachers' professional ethics quality. In specifying the rules, the World Skills Competition pointed out the requirement of professional ethics: "All experts must demand themselves with the highest level of integrity, honesty and fairness." At the same time, our country is in the value orientation of "building up people by virtue", which requires that the basic goal and basic task of school education be to train qualified citizens with good quality and healthy personality. To strengthen the construction of teachers' professional ethics quality is to hope that through the establishment of teachers' own good quality, they can influence and standardize students' professional behaviors and professional consciousness in practical work, and then cultivate students' higher professional ethics quality and quality.

(2) Improve teachers' innovation ability. The requirements of the world skills competition for the innovative ability of the players have promoted the teachers' innovative ability to an important position. Without the improvement of teachers' innovative ability, it is difficult to improve the players' innovative ability. Teachers' innovative ability is reflected in: on the one hand, they have innovative ability to products or design schemes, and are good at transformation and application in actual operation; On the other hand, we should pay attention to cultivating students' innovative consciousness and mastering innovative methods while teaching basic theories. We can improve teachers' innovative ideas and learn new world technologies and standards by strengthening international exchanges, studying abroad and introducing overseas talents, so as to lay a good foundation for the improvement of innovative ability.

5.3 The application in the construction of training platform

The organizational process standard of the World Skills Competition represents the highest level in the world and even in China. The rules and requirements of the skills competition are in line with the needs of professional competence of enterprise posts everywhere. The competition venue is a highly restored, systematic and comprehensive approach to the real production links of enterprises. Places and organizational training are bound to optimize the management process. Under the guidance of the concept of the World Skills Competition and the leading edge of the industry, the training base is arranged according to the standards of the World Skills Competition, and the elements of the World Skills Competition are integrated into the overall layout, station design and atmosphere building. The training teaching environment is optimized to make the training teaching close to modernization and informatization, so that the "integration of competition and teaching" is truly implemented, providing a good platform for the training and upgrading of students' practical skills, improving students' skill level and further enhancing students' employment competitiveness.

The construction of the training platform can be started from the following aspects:

①Planning area. Planning the venue for the World Skills Competition and the working characteristics of international advanced enterprises, and setting up multifunctional areas for teaching, practical training, scientific research, exhibition and promotion.

②Equipped with equipment. According to the technical requirements of the World Skills Competition and referring to the operation process of the industry, we should rationally equip high-end training equipment and tools.

③Create an atmosphere. Refer to the exhibition style of the World Skills Competition venue, combine the atmosphere of the international industry, integrate the spirit of the World Skills Competition and the culture of artisans, arrange the training environment, create a positive and

upward cultural atmosphere, and enhance students' learning motivation.

6. Conclusion

The transformation process of competition resources in vocational colleges under the vision of the “benchmarking international and high-end leading” world skills competition, which takes the spirit of craftsmen as the concept and the standards of the world skills competition as the coordinates, redesigned the talent training scheme and applied it in several aspects such as the construction of professional courses, the construction of teaching staff and the construction of training bases. This series of transformation will not intend to provide a new way for the cultivation of craftsmen spirit and high-quality skilled personnel. It will enable vocational colleges and universities to integrate the relevant professional standards of the World Skills Competition, comprehensively improve the quality of high-quality personnel training, and promote the development of Vocational education.

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