

Research on the Mechanism of Ideological and Political Collaborative Education in the "Three Classroom" Curriculum of Mechanical Specialty from the Perspective of "Three Complete Education"

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Abstract

Under the three complete education and training mode, the teaching subject, time and place of higher vocational colleges have changed, which puts forward higher requirements for the continuous promotion of curriculum ideological and political reform in higher vocational colleges. Taking the mechanical specialty as an example, aiming at the "diversified" educational subjects and teaching environment, this topic deeply analyzes the different characteristics of the "three classroom" Ideological and political teaching of traditional education classroom, school extracurricular classroom and enterprise practice classroom, focuses on and studies to solve the problems of depth, time and space in the ideological and political education of the curriculum, and explores the effective ways to realize the three complete education, It includes the construction of time and space, double educational subjects and covering ripple circle of the ideological and political teaching of the "three classroom" collaborative curriculum, so as to form the ideological and political collaborative education mechanism of the "three classroom" curriculum and cultivate red craftsmen with excellent politics and business in the mechanical specialty.

Keywords

Three Classroom; Three Complete Education; Ideological and Political Collaborative Education.

1. Research Background

We should adhere to the central link of Building Morality and cultivating people, run ideological and political work through the whole process of education and teaching, and realize the whole process and all-round education. We should make good use of the main channel of classroom teaching, and other courses should guard a channel and plant a good field of responsibility, so as to make all kinds of courses go hand in hand with ideological and political theory courses and form a synergistic effect". In 2018, the Ministry of Education The document "notice on carrying out the pilot work of comprehensive reform of three complete education" puts forward the concept of "three complete education", which refers to "all staff education, whole process education and all-round education".

1.1. Research Meaning

We should adhere to the central link of Building Morality and cultivating people, run ideological and political work through the whole process of education and teaching, and realize the whole process and all-round education. We should make good use of the main channel of classroom teaching, and other courses should guard a channel and plant a good field of responsibility, so

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Under the three complete education and training mode, the teaching subject, time and place of higher vocational colleges have changed, which puts forward higher requirements for the continuous promotion of curriculum ideological and political reform in higher vocational colleges. Taking the mechanical specialty as an example, this topic deeply analyzes the traditional education classroom, in-school extracurricular classroom and enterprise practice classroom according to the "diversified" education subject and teaching environmentThe different characteristics of Ideological and political teaching in the "three classroom" curriculum, focus on and study the problems of educational depth, time and space in the curriculum ideological and political education, and explore the effective ways to realize the three complete education, including the construction of time and space, double educational subjects and coverage ripple circle of the "three classroom" collaborative curriculum ideological and political teaching, so as to form the "three classroom"The course is based on the mechanism of Ideological and political coordination and education, and trains red craftsmen with excellent politics and business in the mechanical specialty.

1.2. Current Situation Analysis

With the continuous promotion of the "three complete education" talent training mode, the teaching subject of mechanical specialty in higher vocational colleges has changed from "school teacher" to "school teacher + enterprise mentor", and the teaching environment has expanded from "school" to "school + enterprise", which has greatly changed the teaching subject and teaching environment. Compared with the traditional ideological and political theory teaching and the currentThe curriculum ideological and political teaching of "Ideological and political course + professional course" and the innovative talent training mode under the background of the new era make the curriculum ideological and political teaching in higher vocational colleges face a more complex situation, which has brought many uncertainties to the current curriculum ideological and political reform. (1) "dual teaching"The ideological and political education level of the main body needs to be improved urgently. The teaching content of most teachers in higher vocational colleges is divorced from the enterprise practice, so they lack the original materials of curriculum ideological and political teaching, and it is difficult to carry out ideological and political education based on the actual situation of enterprises; enterprise tutors not only lack the teaching experience based on pedagogy and psychology, but also lack the intention to undertake the task of educating people and morality with school teachersIn the process of practical guidance, ideological and political education elements such as core values, corporate culture, craftsman spirit and professional spirit cannot be reasonably integrated into students' skill training. (2) "double teaching"It is difficult to integrate the moral education resources of the environment. Due to the different educational modes of schools and enterprises, there are differences in the emphasis of curriculum ideological and Political Education under the dual education environment: schools focus on the cultivation of value rationality such as core values and excellent Chinese traditional culture, which is more to let students accept it from the heart and internalize it into spiritual pursuit; enterprises pay more attention to craftsmanship and creativityThe cultivation of technical rationality such as new spirit is more to let students apply their professional quality to practical activities. (3) "double teaching"The evaluation system of the mode is lack of effectiveness. Under the background of "three complete education", the alternative teaching mode between schools and enterprises makes it difficult for both schools and enterprises to effectively evaluate the implementation

effect of Ideological and political teaching, which is mainly reflected in the diversification of evaluation subjects, the simplification of evaluation forms and the differentiation of evaluation contents.

2. Research Contents

Under the existing talent training mode of integration of production and education of machinery specialty, the educational system of higher vocational colleges is 3 years, and the teaching contents are different every year: in the freshman stage, students' learning is mainly based on public basic courses and professional basic courses, of which the public basic courses mostly adopt the administrative class teaching mode; in the sophomore stage, students' learning is mainly based on professional courses and some practical training courses, and the learning task at this stage is still in progress. However, it will be completed in the school; in the junior stage, students will go out of the campus and enter the cooperative enterprise for post practice. The teaching link in this stage will be completely different from the conventional "one to many" theoretical teaching mode in the past, and will be changed to the "mentor + apprentice" teaching mode. It can be seen that students need to complete it in "two teaching environments" in three years. The learning task of "three stages", in which "two teaching environments" refer to schools and enterprises, and "three stages" refer to the first stage of public basic courses and professional basic courses, the second stage of professional courses and practical training courses, and the third stage of enterprise related practical training. For enterprises that pay attention to practical ability and engineering project solving ability, whether students have excellent craftsman spirit and excellent ideological and political quality will become an important indicator of their talents.

2.1. Target

In order to achieve the goal of three complete education and talent training mode, we must make full use of the teaching advantages of the traditional education position of theoretical teaching in the school and the practical application platform of enterprise skill training, and further deepen the construction of the ideological and political system of mechanical specialty curriculum. In addition to the conventional traditional education classroom and enterprise practice classroom, the school extracurricular classroom should also become an important carrier of the curriculum ideological and political teaching link, and an important bridge between the traditional education classroom and enterprise practice classroom. The in-depth research on the characteristics of curriculum ideological and political teaching, in-depth analysis of the focus of teaching content, breaking the limitations of the previous "double teaching" subject, time and space, so as to form a collaborative, three-dimensional and whole process curriculum ideological and political teaching mechanism and realize "1 + 1 + 1 > 3". Maximize the coupling effect of, and truly realize the three comprehensive education goals of all staff education, whole process education and all-round education.

2.2. Key Issues to be Solved

This project will explore the effective implementation ways of constructing the "three classroom" curriculum ideological and political collaborative education mechanism from three aspects: the teaching time space, the education subject and the construction of curriculum group. It is proposed to solve the following key problems.

(1) Time space construction of Ideological and political teaching in "three classroom" collaborative curriculum

Based on the above, in order to maximize the effectiveness of Ideological and political teaching under the modern apprenticeship system, it is necessary to fully and reasonably integrate the curriculum ideological and political into the cooperative teaching mode of "three classrooms"

according to the differences of the teaching characteristics of "three classrooms" and the teaching arrangement of three-year schooling in higher vocational colleges.

In the first academic year, students mainly study public basic courses and professional basic courses. At this stage, we should give full play to the main position function of Ideological and political theory courses in higher vocational colleges, and integrate ideological and political teaching with electrical and electronic technology and mechanical drawing. And other professional basic courses, give full play to the leading role of Ideological and political theory course in the implementation of curriculum ideological and political education in professional basic courses, fully tap the moral education elements of humanistic morality, professional ethics, being a person and doing things contained in professional basic courses, spread positive energy in the process of teaching, and highlight patriotism and collectivism education. Guiding students to participate in extracurricular activities is of professional enlightenment. Qualitative "early practice and late training activities" and school lectures and salons cultivate students' character of speaking civilization, loving specialty and understanding the workplace.

In the second academic year, students mainly study professional theoretical courses and practical training courses. At this time, the curriculum ideological and political teaching in higher vocational colleges should comply with the corresponding teaching focus, activate the ideological and political elements in professional courses, take professional knowledge as the basis, take the socialist core values as the guidance, take classic cases as the carrier, find the entry point, and integrate the professional ethics related to future employment. The ideological and political teaching contents of courses such as, professional quality and corporate culture are integrated into the classroom of professional theoretical knowledge, so as to improve the ideological and humanistic nature of professional teaching and realize the deepening of Ideological and political teaching reform. (such as electrical control and PLC) The first teaching task is to understand and explain the basic circuit diagram in electrical control. The circuit diagram has a certain planning and structure. Guiding students to behave like designing circuit diagram should abide by rules and laws, so as to live and work normally and orderly and enhance students' legal awareness.) Extracurricular students can join the "Innovation Studio" according to their interests and professional strengths to prepare for various skill competitions. They can also join the teacher's "skill master studio" or "Institute R & D platform" Assist teachers in completing various scientific research projects, focusing on cultivating the practical ability of technological innovation design and technological development; at the same time, prepare for social practice in the summer vacation and junior internship. The training courses in the workshop, combined with the "party organization in the workshop", integrate the party construction work and organizational activities into daily teaching, so that students can imperceptibly accept the baptism of red thought in the training.

In the third academic year, students were mainly engaged in internship and exercise in enterprises. The ideological and political education of college students realized the transformation from theoretical education to practical application. Enterprise tutors reflected their professional quality, craftsman spirit, professionalism and innovation in their daily work through words and deeds, practiced the socialist core values, and met the same standards. Seeking students not only realizes the practical application of the ideological and political theoretical knowledge learned, but also realizes the transformation of college students from professional talents to spiritual adults, and achieves the unity of moral quality and technical ability. At the same time, through the "joint construction of Party branches" of schools and enterprises. Schools and enterprises jointly build research institutes, enterprise skill master studios and other platforms to smoothly transition students' curriculum ideological and political education from the first teaching environment to the second teaching environment.

The "craftsman Miao spirit" cultivated in the school environment further grows with students entering the enterprise until they become a qualified red craftsman.

(2) Double education construction of Ideological and political teaching in "three classroom" collaborative curriculum

"Three classes" The construction of curriculum ideological and political collaborative education mechanism also puts forward higher requirements for double education subjects. Firstly, school teachers should actively exercise in enterprises, deeply understand the needs of enterprises for talent training and collect relevant teaching materials; while enterprise tutors should receive daily teaching training to have the ability to teach and educate people. Secondly, school teachers and enterprise tutors should continue to improve The ability and level of Ideological and political education should focus on the socialist core values, excavate, sort out and expand the ideological and political elements of curriculum in higher vocational colleges, so as to achieve the full coverage of curriculum ideological and political education. Finally, school teachers and enterprise tutors should establish an effective organization and coordination mechanism, strengthen effective communication and contact mechanism, and establish a curriculum ideological and political education evaluation system, so as to achieve practical results At present, the "three classroom" has diversified evaluation.

(3) Construction of covering ripple circle in Ideological and political teaching of "three classroom" collaborative curriculum

The "three classes" will become the three major teaching links in the curriculum ideological and Political Education Department of higher vocational colleges, and the corresponding teaching ripple circles are formed centered on each link. The three teaching ripple circles formed based on the three teaching links represent the "three classes" respectively The coverage and penetration of the ideological and political teaching content of the course, and each large ideological and political teaching ripple circle includes several small ripple circles. For example, the traditional education classroom includes public basic courses including politics, culture and physical education, as well as professional courses including theoretical courses and practical training courses of different majors. The extracurricular classroom in the school is more flexible and suitable for vocational skill competition There are also R & D courses applicable to scientific research projects. The enterprise practice class includes practical operations in different departments and positions.

Among them, the courses suitable for the implementation of curriculum ideological and political education are close to the center of the ripple circle, with high penetration, such as ideological and political theory course, professional training course, innovation and entrepreneurship course, etc.; while the courses not suitable for the implementation of curriculum ideological and political education are relatively far away from the center of the ripple circle, with low penetration, such as physical education, college physics course, professional theory course, etc. the formation of the ripple circle of Ideological and political education in the three courses makes The curriculum ideological and political teaching basically covers different teaching links in different stages, and many small ripple circles of curriculum ideological and political teaching deepen the curriculum ideological and political teaching in different stages to varying degrees. The ripple circles of large and small curriculum ideological and political teaching cover, influence and overlap each other, so as to realize the covering, three-dimensional and whole process of college students with different teaching characteristics The curriculum ideological and political education should achieve the perfect combination of theoretical knowledge, social practice and ideological and political education, so as to build a curriculum ideological and political collaborative education mechanism with clear levels, scattered and coherent, and maximize the coupling effect of teaching.

3. Summary

Taking the machinery major as an example, aiming at the "diversified" educational subjects and teaching environment, this study deeply analyzes the different characteristics of curriculum ideological and political teaching in the traditional education classroom and enterprise practice classroom, and puts forward that the extracurricular classroom in the school is the "second classroom", which not only realizes the effective connection between the traditional education classroom and enterprise practice classroom, but also makes the curriculum ideological and Political TeachingThe "two teaching environments" have achieved a good transition and have been well continued in the enterprise stage.

Through the in-depth study of the characteristics of Ideological and political teaching in the "three classroom" course, the focus of the teaching content is deeply analyzed to break the limitations of the previous "double teaching" subject, time and space, so as to form a collaborative, three-dimensional and whole process ideological and political teaching mechanism and realize "1 + 1 + 1 > 3"Maximize the coupling effect of, truly realize the three comprehensive education goals of all staff education, whole process education and all-round education, and achieve the training goal of red craftsmen with excellent politics and business.

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