Analysis of the Current Situation and Solution Strategies of Thought and Politics in Physics Curriculum and

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Teaching Theory

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Abstract: "Physics course and Teaching theory" is an independent compulsory course of normal physics major in colleges and universities, and it is also the main battlefield of ideological and political education in this major. Starting from the background of "curriculum education", this paper firstly expounds the importance of physics curriculum theory and teaching theory in curriculum education. Secondly, it analyses the four shortcomings of the current physics curriculum and teaching theory in the implementation of curriculum education. The key solution strategy of improving physics curriculum and teaching theory in curriculum thought teaching is put forward. The solution strategies are discussed in detail from the five aspects of theoretical accomplishment, application consciousness, application method, and application ability and application supervision of this course teacher. It is expected that through the discussion of this paper, we can give our peers some useful reference.

1. Introduction

The ideological and political course of the course originated from the important discussion of General Secretary State president on "making all kinds of courses and ideological and political theory courses go together and form synergistic effect" at the National Conference on Ideological and Political Work in Colleges and Universities[1]. Therefore, "curriculum thinking and politics" is the main battlefield of ideological and political education in Chinese universities, and is a new concept and new mode of "cultivating people by virtue" in the new era. As an independent and necessary course for normal physics majors, Physics Curriculum and Teaching Theory has unique advantages in integrating ideological and political education into the course and cultivating talents with socialist core values. At present, the Ministry of Education of China has promulgated the certification standards of normal majors and started the certification of normal majors in institutions of higher learning. The basic concept of certification is to focus on students, focus on the growth of students, and focus on the cultivation of core abilities and qualities of normal university students[2].

This certification concept requires teachers to actively promote the teaching reform by focusing on the learning effect and personal development of normal university students. The evaluation of students 'ideological and political quality is an important teaching activity. It can not only test the students' learning effect and the achievement of course objectives, but also find out the problems existing in education and teaching, and take targeted measures for teaching improvement. Therefore, carrying out moral education in university professional courses, especially in the excavation and integration of moral elements, can make ideological and political theory education and professional course education coordinate and complement each other. Because only in the main channel of classroom teaching to truly achieve all-round, whole process, full three-dimensional education, can finally enhance students 'patriotism, the implementation of students' noble moral sentiment[3].

2. The Importance of Ideological and Political Courses in the Teaching of Physics Curriculum and Teaching Theory

2.1 Physics Curriculum and Teaching Theory Curriculum and Ideological and Politics

The course of Physics Course and Teaching Theory is an important part of the physics course, which takes the physics teaching process as the main research object, and comprehensively uses the knowledge and methods of pedagogy principles and other disciplines. Thus, it reveals the basic laws and methods of the middle school physics teaching process and the basic problems of the middle school physics teaching research, and also emphasizes the guidance and training of the practical and applied skills of the middle school physics teaching content. The goal of this course is to enable students to master the basic theoretical knowledge of middle school physics curriculum and teaching, obtain the preliminary physics teaching ability, and cultivate the professional quality of physics teachers of normal university students. The evaluation content of this course is determined as the basic theoretical knowledge of the physics course and the teaching, the physics teaching ability and the professional quality of the physics teachers [4].

According to the teaching objectives and contents of Physics Curriculum and Teaching Theory, curriculum thinking and politics is an essential and important factor in the teaching of this course. Because for physics normal professional college students, they graduated later is based on the platform, is to do minors ideological and moral builders and minors ideological and moral practitioners, although their age is not small, but their ideological level still has some deficiencies, so must be courses ideological to edify them. Therefore, whether the path and method of ideological and political integration in the teaching of Physics Curriculum and Teaching Theory, as well as the assessment and evaluation of education effect can be done well, will determine whether the course can build the soul, whether the organic integration of ideological and political education and professional education can be realized, and whether the real implementation of the concept of education can be truly realized. Therefore, the effective integration of ideological and political elements in the teaching of Physics Curriculum and Teaching Theory will be the key to determine whether the course can promote the "moral education".

2.2 The Importance of Ideological and Political Courses in the Teaching of Physics Curriculum and Teaching Theory

Curriculum education in the physics course and teaching teaching exploration and practice is very important, it can change the physics course and teaching theory of teaching effect, make the physics course and teaching teaching become more valuable, more depth, more practical significance, eventually bring physics students another learning experience and good effect. It also enriches the teaching content of the "Physics Curriculum and Teaching Theory", so that the

ideological and political affairs of the course can have a closer relationship with the "Physics Curriculum and Teaching Theory". Secondly, the research and analysis of this paper can cultivate middle school physics teachers who are proposed by general Secretary State president "should have ideals and beliefs, have moral sentiment, have solid knowledge and have benevolence". Let the physics major normal university students see the importance of ideological and political learning in the study of Physics Curriculum and Teaching Theory, make the normal university students majoring in physics have ideological and political cognition, and feel the necessity and necessity of ideological and political learning. Then, the study of this paper can strengthen the course education and the internal relationship between the theory of physics course and teaching theory, let the course education always accompanied by the physics course and teaching theory teaching, thus bring more powerful teaching marriage effect, make physics professional normal university of course education and the theory of physics course and teaching theory learning form inertia, consciously will involving each other, bring good double learning effect. Finally, the research and analysis of this paper can bring more college teachers to teach physics course and teaching theory, and promote the better use of ideological and political course in the teaching of "Physics course and Teaching Theory", and bring good teaching results [5-6].

2.3 Purpose and Significance of This Study

Taking the teaching of Physics Curriculum and Teaching Theory as the carrier, this paper discusses the problems and strategies to solve the implementation of ideological and political courses in physics Curriculum and Teaching Theory. It also shows the importance of curriculum ideological and political courses, but also reflects the relationship between curriculum ideological and political courses and the teaching of "Physics Curriculum and Teaching Theory", and also represents the position of curriculum ideological and political courses in the teaching of "Physics Curriculum and Teaching Theory". If curriculum education can not be integrated into physics curriculum teaching and theory teaching, then the theory teaching of physics curriculum will be eclipsed. As a result, it is difficult to cultivate students' physical literacy, and it is difficult for students to form basic characters and key abilities that meet the needs of personal lifelong development and social development in the process of physical education. It is also difficult to train students into talents with excellent comprehensive quality and excellent ideological and political level. Only by integrating ideological and political courses into Physics Curriculum and Teaching Theory more deeply, and making it effectively explored and practiced, can we really change the actual teaching status of Physics Curriculum and Teaching Theory. In order to let students learn physics well, it will also fundamentally change the ideological quality. So as to improve the ideological and political cognition of college students, let more college students actively study, pay attention to the cultivation and study of ideological and political courses, and finally learn "Physics Curriculum and Teaching Theory" with good ideological and political ability, in order to achieve better learning results. Thus, it also lays a solid foundation for the students of physics normal major to move to the middle school physics teacher post, which can better pave the way for the ideological and moral construction of minors. To be a good teacher with ideals and beliefs, a country and a nation, and to be the main practitioner and disseminator of socialist core values. Only in this way can we cultivate excellent pillars and talents for the country and the nation.

3. The Shortcomings in the Implementation of Physics Curriculum and Teaching Theory in the Ideological and Political Courses

3.1 Ideological and Political Courses in the Teaching of Physics Curriculum and Teaching Theory

Course education in the theory of physics course and teaching teaching using consciousness, is the so-called consciousness determines thought, thought action, if course education in physics course and teaching teaching consciousness, so college teachers will not pay attention to course education in the theory of physics course and teaching teaching, natural course education will not be integrated into the theory of physics course and teaching teaching. Without ideological and political courses, the teaching of "Physics Curriculum and Teaching Theory" will appear pale, and will not cultivate qualified minors' ideological and moral builders and implementers. Therefore, we should put moral education as the goal, and integrate the curriculum thinking and politics into physics courses in the teaching and practice of teaching theory. Therefore, we must strengthen the awareness of curriculum ideological and political use in the classroom. Normal college students majoring in physics will not be lacking in ideological and political courses, and there are some problems in ideological cognition. Only by making the students realize that "the platform of the people is the soul of the people" and cultivating moral talents can we realize the dream of the great rejuvenation of the Chinese nation [7].

3.2 The Ideological and Political Application of the Course Is Simple in the Teaching of Physics Curriculum and Teaching Theory

The application of ideological and politics of courses in the teaching of Physics Curriculum and Teaching Theory is a single way, which will reduce the effect of ideological and politics in the teaching of Physics Curriculum and Teaching Theory, and it is difficult to produce good application results. A single way of use will also make the application process become dull, so that the learning passion of college students is extinguished, cannot produce a good teaching effect. Only when we can seriously think about the defects of the application method, and improve and adjust the application method, can we achieve the ideal application results.

For example, when talking about the atomic bomb and hydrogen bomb, we can talk about the story of deng Jiaxian, the "founding father of the two bombs". Mr. Deng Jiaxian, from 1948 to 1950, studied in Purdue University in the United States and obtained his doctorate. When he graduated, the United States gave him favorable conditions for him to stay in the United States. And he resolutely returned to China, determined to contribute their own strength to the motherland. After he returned to China, he took an active part in the development of the atomic bomb, not afraid of difficulties. He has made great contributions to the research and development of China's nuclear weapons and atomic weapons. As a teacher, the deeds of scientists should not be limited to the deeds of scientists, but can introduce the physical development of China and the preface achievements in the world. This not only enhances students 'confidence and national pride, but also stimulates students' patriotic feelings, and also encourages students to study hard and study hard to serve the motherland.

3.3 Ideological and Political Ability in the Teaching of Physics Curriculum and Teaching Theory

The ideological and political application ability of the course in the teaching is not strong in the teaching of Physics Curriculum and Teaching Theory is not strong, that is to say, the teachers in

charge of teaching do not have the teaching ability enough, and integrate the ideological and political elements of the course into the teaching, in other words, they do not pay attention to the ideological teaching, and do not integrate the ideological and political course into the teaching in the classroom. The teacher's job is not only to teach students physics knowledge, spread physics knowledge, explain physical principles, physical thoughts and truth. It is more important to shape the students 'soul, the students' character. Therefore, teachers not only perform their own work of teaching and educating people, the post original work, but also should take the initiative to undertake the new responsibility of cultivating socialist builders and successors. Teachers should take the initiative to closely link the moral education elements, ideological and political elements and teaching quality in the teaching activities of physics course and teaching effect. Teachers must strengthen the consciousness of moral education, grasp the opportunity of moral education, strengthen positive guidance, and give students doubts and doubts. Teachers should constantly enhance the affinity and appeal of "ideological and political" education in Physics Curriculum and Teaching Theory. Thus, it will bring better teaching results, produce effective teaching effect, and can really cultivate more excellent and excellent excellent primary and secondary school physics teachers [8].

3.4 Lack of Application and Supervision in the Teaching of Physics Curriculum and Teaching Theory

The use of supervision in physical theory courses and teaching in curriculum education must not ignore the role of supervision. Without the supervision of the curriculum education in the physical theory course and teaching teaching will become chaotic, it is difficult to operate according to a certain law. The existence of supervision can strengthen the importance of college teachers' application of curriculum ideas. So that teachers in colleges and universities really feel the necessity of curriculum education in physical theory courses and teaching, and can also realize its powerful role. However, the lack of supervision is bound to make the application of ideological and political courses in the teaching of "Physics Curriculum and Teaching Theory" become in a complete mess, without supervision and supervision, thus losing pressure and motivation. The author of this paper believes that the school level must attach importance to the formulation of ideological and political teaching planning and goals. There is also the teaching and research section must check the teacher's teaching plan and listen to the teacher's curriculum, to see if there is no real curriculum ideological and political into the "physics curriculum and teaching theory" teaching.

4. Strategies to Improve the Ideological and Political Effects of Courses in the Teaching of Physics Curriculum and Teaching Theory

4.1 Improve the Ideological and Political Theoretical Literacy of Teachers in Physics Curriculum and Teaching Theory

"Physics Curriculum and Teaching Theory" teachers should achieve the true learning, true understanding, true trust and true use of the curriculum ideological and political theory, and condense the theoretical basis and action guide with comprehensive content, clear logic and strong operability in practice. First, we should make clear the primary issue of education of "who to cultivate". The second is to make clear "khalid ents" and "cultivate socialist builders and successors" is the training goal of the physics course and teaching theory of course, "khalid ents" is the essential requirement of education, and is the realization of "cultivating socialist builders and successors" training path, and "cultivate socialist builders and successors" is "khalid ents" embodiment in socialist China. Thirdly, the course of "Physics Curriculum and Teaching Theory"

should be an important link to realize the high-level talent training system and the system and mechanism of "three complete education", which is the breakthrough and focal point of physics major [9].

4.2 Enhance the Awareness of Ideological and Political Application in the Teaching of Physics Curriculum and Teaching Theory

This article strengthens the consciousness of ideological and political application in the teaching of Physics Curriculum and Teaching Theory, and makes college teachers realize the importance of applying ideological and political course in the teaching of Physics Curriculum and Teaching Theory. It is necessary for teachers to take action to strengthen the awareness and thus enhance the awareness of application, and it is necessary to post propaganda about the ideological and political application of curriculum in all places of colleges and universities. Colleges and universities make propaganda boards and posters, and hold relevant conferences for college teachers, so that the application of curriculum ideology and politics in the teaching of Physics Curriculum and Teaching Theory can be more deeply applied. Publicity makes teachers have a stronger sense of use, which leads to more effective teaching.

4.3 Improve and Adjust the Application of Ideological and Political Methods in the Teaching of Physics Curriculum and Teaching Theory

For teaching, only by constantly improving and adjusting the teaching methods of physics curriculum and teaching theory in curriculum education can the specific teaching effect be changed. In this way, it is easier for college teachers to complete the teaching of physics courses and teaching theories in curriculum education, and produce good teaching quality and promote good teaching effect. To improve and adjust the way of use, teachers need to abandon the traditional teaching methods, so that teaching really move, live, produce real force. College teachers can use interesting activities and games to activate the atmosphere of teaching, so that more college students can participate in the use of teaching methods. Not only that, teachers can also organize a variety of interesting communication meetings, let more college students talk about their ideas and suggestions, and help the ideological and political integration of the course into the teaching of physics courses and teaching theory.

4.4 Improve the Ability of Ideological and Political Application in the Teaching of Physics Curriculum and Teaching Theory

To improve the ability of ideological and political application in the teaching of Physics Curriculum and Teaching Theory, because the application of ideological and political application in the teaching of Physics Curriculum and Teaching Theory requires the role of strong teachers, it can really have a big effect and bring students a more profound impression on teaching. Then, as a teacher, they should read more books about the integration of the two, and watch some information and materials on the Internet, so that their teaching ability can be really improved, so as to bring ideal teaching results. Colleges and universities should also regularly test and evaluate teachers, so that teachers can constantly improve themselves in the test, and constantly summarize progress in the review.

4.5 Strengthen the Supervision of Ideological and Political Courses in the Teaching of Physics Curriculum and Teaching Theory

Colleges and universities should strengthen the supervision of physical theory courses and teaching in curriculum education. The role of supervision can not be ignored, especially for the physical theory course and teaching in curriculum education, we must rely on the power of supervision to form the application efficiency, so that the curriculum education and the physical theory course and teaching can be fully integrated. College students can learn more practical physics knowledge, which can also make them have a good ideological quality. Then, to strengthen the application of supervision, it is necessary to set up relevant supervision institutions, assign professional personnel as supervision work, set up an effective supervision system, and finally make supervision more powerful, supervision and supervision of ideological and political courses better integrated into the teaching of "Physics Curriculum and Teaching Theory".

5. Conclusions

Curriculum education has certain practical significance in the teaching exploration and practice of physics curriculum and teaching theory. It can make physics curriculum and teaching teaching more in-depth, and improve the quality of physics teaching. It also changes the ideological cognition of college students, adjusts and changes the ideological learning mode of college students. While learning physics courses and teaching theories, students make greater breakthroughs in ideological and political cognition and construction, change their ideological and political views, and let them get better development in ideological and political construction. This paper first illustrates the brief analysis of course education in the theory of physics course and teaching teaching the importance of exploration and practice, and then from four aspects illustrates the course education in the theory of physics course and teaching teaching using the problems and solution strategy, through effective analysis and research, make the course education effectively into the theory of physics course and teaching teaching, to produce the ideal effect and effect. The research and analysis of this paper will make physics teaching and theory teaching and curriculum education closely together. Colleges and universities carry out real education for college students, so that college students majoring in physics can not only learn physics knowledge, but also have good room for growth in ideology, and eventually become more ideal educational talents.

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