

Exploration of innovative paths for digital education empowering ideological and political education in vocational colleges

Tian CHEN

Changsha Nanfang Professional College, Changsha 410000, China

Abstract: In order for vocational colleges to cultivate high-quality talents with patriotism, international perspective, humanistic spirit, and scientific literacy, they must adhere to the principle of "education first and moral education first". Therefore, in the context of the digital age of education, vocational colleges need to fully leverage the advantages of digitalization in curriculum ideology and politics. With the power of educational digitization, innovative teaching methods, rich teaching tools, and improved teacher abilities and qualities should be utilized to form a good mechanism for collaborative education, further promoting the reform and development of ideological and political courses in vocational colleges. This article will conduct research on this topic, mainly discussing the innovative path of digital empowerment of vocational college curriculum ideology and politics, hoping to provide reference and help.

Key words: digitalization of education; vocational colleges; course ideology and politics

1 Introduction

With the development of the times, ideological and political education in modern vocational colleges not only needs to comprehensively promote the development of students' quality, but also needs to balance efficiency while ensuring the quality of education. However, the traditional curriculum ideological and political education system is difficult to meet various needs. Therefore, vocational colleges need to actively seek changes and explore new paths for educating students. On this basis, the emergence of the concept of digital education has brought opportunities for the development of human education departments in vocational colleges. The use of digital technology can meet various needs. Therefore, in order to fully utilize digital education and improve the effectiveness of ideological and political education in courses, it is necessary to conduct relevant research.

2 Creating a good environment for ideological and political education through digital means

Firstly, vocational colleges need to establish a comprehensive and three-dimensional curriculum ideological and political teaching environment, so that students can receive good ideological and political education in the process of learning knowledge. Secondly, higher vocational colleges need to use digital resources to build a perfect curriculum ideological and political network system, effectively integrate Internet technology and new media technology with ideological and political education of courses, and create a diversified and personalized platform for students' ideological and political education in the curriculum [1]. Finally, vocational colleges can carry out ideological and political education

activities through a combination of online and offline methods. Online, schools can provide students with online learning resources and communication spaces through online platforms; offline, students can be organized to participate in campus cultural activities, social practice activities, volunteer service activities, etc., so that they can receive ideological and political education through participation in activities. In addition, the commonly used digital resources in actual teaching are shown in Table 1.

Table 1. Common digital resources in practical teaching of ideological and political education in courses

Name	Application method
Micro video	1. Collect and organize micro videos, micro classrooms, and other materials related to engineering drawing in advance through online platforms.
Micro classroom	2. Organize students to watch micro classroom videos, micro classroom materials, etc. Through the above methods, students can be influenced by good ideological and political education content when viewing teaching resources, laying a solid foundation for subsequent ideological and political learning in courses.

3 Utilizing digital platforms to carry out diverse ideological and political practice activities in courses

In the context of the digital education era, vocational colleges must actively carry out diversified practical activities to enhance the effectiveness of ideological and political courses, enrich students' learning lives, and improve their understanding and comprehension of ideological and political courses. Firstly, practical activities should be carried out. Teachers need to use digital platforms to organize and carry out rich and colorful ideological and political practice activities, such as campus cultural activities, social practice activities, etc. Through these activities, students' abilities and qualities can be exercised, and their ideological understanding and ideological environment can be enhanced. Secondly, it is necessary to organize social practice activities, which can be carried out through digital platforms. At present, China is in a period of social transformation with the continuous development of science and technology. Digital technologies such as the Internet and cloud computing have been applied in various fields, providing a strong boost for social development. Therefore, vocational colleges can organize students to participate in social practice activities in enterprises and communities during their holidays. Organizing social practice activities for students can help them better understand and comprehend society, and enhance their understanding and awareness of society. Finally, it is necessary to organize a variety of extracurricular activities [2]. In order to enhance the effectiveness of ideological and political education in vocational colleges, it is necessary to integrate ideological and political elements into the organization of extracurricular activities. Using club activities as a carrier can combine ideological and political education with students' interests and hobbies, allowing students to better shape their self-worth in the club. For example, schools can establish various types of clubs such as sports competition clubs, technology innovation clubs, literature and art clubs, etc. These clubs can enrich students' extracurricular life, enhance their comprehensive abilities and ideological awareness [3].

4 Utilizing digital means to improve the ideological and political system of the curriculum

In order to improve the ideological and political system of the curriculum, teachers can adopt two digital methods, as shown in Table 2.

Table 2. Digital methods for improving the curriculum ideological and political system

Name	Characteristic
Micro lesson recording	Offline, supports fragmented learning
Blended learning	Suitable for online classrooms, conducive to teacher-student and student-student interaction

Firstly, micro lesson recording. Micro lessons are a new teaching method that has emerged in the development of vocational education in recent years. They can not only effectively improve teachers' teaching efficiency, but also enrich students' classroom knowledge, effectively enhance students' learning efficiency and interest. For example, in the ideological and political course of "Situation and Policy", teachers can transform relevant content into micro lessons for online teaching. This can not only effectively improve students' learning efficiency and interest, but also deepen their understanding of the relevant content [4].

Secondly, implement a blended learning model. Hybrid teaching is a new teaching mode based on the Internet to realize the interaction and exchange of teaching inside and outside the classroom. Through this model, time and space limitations can be broken, allowing students to learn online while teachers communicate and interact with students on online platforms [5]. For example, teachers can use the MOOC platform to build resource library for ideological and political courses, and then upload the relevant content from the course resource library to the MOOC platform for open course teaching. This can not only enhance students' interest and enthusiasm in learning the ideological and political courses, but also effectively promote communication and interaction between teachers and students.

5 Utilizing digital platforms to strengthen the management of ideological and political education in courses

In the context of digital education, higher vocational colleges should further strengthen the management of ideological and political education courses, strengthen the informatization construction of teaching management through informatization means, such as introducing the concept of "Internet plus" in the management of ideological and political education in the curriculum with the help of digital platforms such as "DingTalk Open Platform", so that students can learn and communicate at any time on campus, which is conducive to improving the enthusiasm and initiative of students to participate in the ideological and political education program [6].

In addition, it is necessary to use digital platforms to systematize the management of teaching and learning and teaching evaluation, collect and organize data generated during the teaching process, and conduct statistical analysis on relevant data. For example, the "micro class" module in the digital platform is used to carry out online teaching activities. In this module, teachers can upload teaching resources such as videos, courseware, test questions, and assignments. Before class, teachers can provide preview guidance to students through "micro lessons", and after class, teachers can provide review guidance to students through "micro lessons". This new learning model can not only enrich teaching resources, but also enhance students' enthusiasm for participating in ideological and political education courses.

6 Conclusion

In summary, in the context of the digital education era, in order to achieve the reform and development of ideological and political education in vocational college courses, the schools need to fully leverage the advantages of digital education, innovate teaching methods, and enrich teaching tools, thus enhancing teachers' abilities and qualities, forming a good mechanism for collaborative education, and further promoting the reform and development of ideological and political

courses in vocational colleges.

Conflicts of interest

The author declares no conflicts of interest regarding the publication of this paper.

References

- [1] Wen SL. 2024. Research on the ideological and political construction of second classroom courses in vocational colleges from the perspective of digital media art. *Boutique Life*, 30(9): 105-107.
- [2] Liu BL, Yao CQ. 2023. Research on the status quo and improvement path of digital transformation of ideological and political courses in private vocational colleges empowered by digital technology. *Chinese Flights*, 25: 172-174.
- [3] Han SS, Chen TD, Wei HC. 2024 . Exploration of the practical path of ideological and political education in labor education courses of vocational colleges in the digital age. *Journal Review*, 26: 85-87.
- [4] Gong X. 2024. Research and practice on the new path of curriculum ideological and political construction in vocational colleges empowered by knowledge graph. *Journal of Wuhan Shipbuilding Vocational and Technical College*, 23(5): 53-58
- [5] Li HJ, Zhou N, Tian N. 2024. The logical path and practical implications of the reform and innovation of ideological and political education in vocational colleges in the digital age. *Journal of Taiyuan City Vocational and Technical College*, 7: 194-197.
- [6] Ma L. 2023. Research on the digital construction path of ideological and political courses in vocational colleges under the background of high-quality development. *Journal of Wuhan Shipbuilding Vocational and Technical College*, 22(5): 37-41.