

Research on the Implementation Path and Green Development Strategy of Computer Multimedia-Assisted Ecological Ideological and Political Teaching Evaluation

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Abstract: Over the past decades, China's economic development has been based on extensive development, which has resulted in serious ecological environmental pollution. Facing the deteriorating ecological environment, scientific and low-carbon environmental protection economic development and lifestyle have become an inevitable choice for China. In today's society, students are a powerful reserve force for China's economic development. Their mainstream consciousness determines the development trend of China's future economy. Under the background of computer multimedia-assisted teaching, this paper analyzes the current situation of the implementation path and green development strategy of ecological ideological and political teaching evaluation. Response policies have been proposed. Multimedia-assisted teaching is a product of the era of science and technology. The progress of the times has made computer technology popular. Especially in ideological and political teaching, the role of multimedia cannot be ignored. Multimedia teaching maximized students' interest in learning ideological and political courses because of its vivid performance, and stimulates students' enthusiasm for learning. Simultaneously, it could improve the enthusiasm of learning and enhance the self-confidence of students, which plays a decisive role in the teaching effect in ecological ideological and political education. Surveys and studies showed that students in the old traditional ideological and political education had generally low awareness of environmental protection, resulting in a level of environmental pollution of around 90%. With the continuous reform of multimedia technology, the environmental pollution efficiency has reached a record low of 48% with the support of new technologies. That is to say, the concept of environmental protection and low-carbon life has entered the public eye on a large scale. Environmental awareness and practical actions are also more common, which lays the foundation for the establishment of an environmentally friendly and low-carbon society.

1. Introduction

With the rapid development of social economy, environmental problems have become increasingly prominent. The shortage of natural energy has become a problem that cannot be ignored in the world. In this context, the concept of ecological green development should be integrated into ideological and political education. To advocate green and low-carbon life, it is important to strengthen the cultivation of students' awareness of green environmental protection and guide students to develop good living habits. It is also necessary to further implement the concept of green development, so that it can be effectively integrated with daily life and promote the development of students' comprehensive quality. Of course, the support of new technologies is the primary prerequisite for technological progress and social progress. The use of multimedia courseware to assist the evaluation of ecological ideological and political education is an advanced and time-saving implementation method to keep students in a positive state of mind. It helps stimulate creativity and pioneering spirit in students. The emergence of multimedia courseware has brought about large-scale changes in traditional teaching methods. The combination of multimedia technology and traditional classroom can achieve relatively best teaching effect. In addition, the harm caused by ecological pollution and destruction is related to people's lack of understanding of the ecological environment. In ideological and political education, cultivating students' awareness of green environmental protection is the top priority. Students are the hope of the country's future and a powerful reserve force for economic development. Actively promoting the green development strategy is the premise of building a low-carbon economic society, reducing environmental pollution and cultivating comprehensive talents. It is also the embodiment of quality education.

In the ideological and political work of colleges and universities, actively promoting the concept of green development has always been an indispensable part of ideological and political education. It is an attitude to strengthen ideological and political environment education, guide students to change their unhealthy lifestyles, implement the concept of diligence and thrift, and clarify the green development strategy. People should start small and gradually form good habits. Through the combination of various forms of education, the comprehensive ability of students is improved. This allows them to understand the current social situation, so as to cultivate the concept of energy saving, environmental protection and green development. Therefore, the implementation path and green development strategy of computer multimedia-assisted ecological ideological and political teaching evaluation play a pivotal role.

2. Related Work

In recent years, with the development of global economic integration, the reform of education informatization has been gradually applied to online multimedia teaching, which has gradually become the mainstream of education. Computer teaching is a special teaching system that is different from traditional teaching methods. It not only makes learning more efficient, but also promotes students' enthusiasm for learning. On this basis, Wang-Sheng expounded the ideological and political education model from the perspective of self-media and big data. Combining the characteristics of the Internet age, He put forward his own views on the implementation path of ecological ideological and political teaching evaluation in colleges and universities. Finally, he discussed how to strengthen the innovative countermeasures of college students' ideological and political education from several aspects such as enhancing data awareness and finding concerns [1]. There are still many problems and defects in the current English and American literature teaching, especially the impact on the improvement of students' comprehensive quality and the English and American Chinese teaching. Mu W firstly analyzed the meaning and principle of multimedia courseware. Then, the multimedia-assisted teaching mode of English and American Chinese

courseware was discussed. The strategy of constructing multimedia-assisted teaching of English and American Chinese courseware was proposed [2]. With the development of multimedia technology, it also has some new developments in language teaching. At the same time, with the continuous improvement of education and teaching methods, the effect is particularly significant for students with particularly strong plasticity. Therefore, Gao X believes that the organic combination of multimedia technology and traditional media teaching has an auxiliary role in the implementation path of ideological and political education evaluation and the promotion of green development strategies [3]. Sara H's research aimed to show the cultivation of students' understanding of green development with the help of multimedia and the application of multimedia technology in the teaching of some concepts. The course was based on multimedia teaching. Through practical teaching "material change", data collection was carried out in a qualitative way. The "Multimedia Assisted Work Evaluation Form" was used to analyze the data obtained from the Multimedia Technology Supported Process Evaluation Form. The conclusion of the study was that the development of multimedia technology has solved many problems, which has made a qualitative leap in both teaching efficiency and learning efficiency [4]. In today's computer-assisted teaching is the general trend, Liu J discussed the application and teaching methods of multimedia teaching in Chinese teaching. Compared with traditional Chinese teaching methods, he believed that modern Chinese teaching should not stick to a single teaching method, but should adopt flexible teaching methods. By transforming the teaching materials into actual teaching, the classroom was more interesting and students could learn Chinese in a relaxed and pleasant environment [5]. At present, with the rapid economic development, energy consumption and carbon emissions are all urgent problems to be solved. In densely populated large cities, the reduction of energy consumption is a very important energy saving measure. Through the public's understanding of green development strategies and the analysis of the government's environmental protection measures, Xu X M learned that in daily life, the implementation of energy-saving behavior depended on the public's understanding of the ecological balance and the severity of the energy crisis. Simultaneously, through the analysis of building energy saving, public resource control, and residents' living needs, it was believed that energy saving was an effective way to achieve ecological balance [6]. In the context of a low-carbon economy, the government plays a pivotal role in capital turnover and commodity supply chains. Xu L believed that there were four types of government subsidy policies, namely no member subsidy, only retailer subsidy, only manufacturer subsidy, and both members have subsidy. On this basis, he proposed a game model based on government regulation and consumers' perception of carbon emissions. The price and emission reduction behavior of each member under different government subsidy policies were studied, and the government subsidy policy was studied. Therefore, it is a more favorable choice for both supply chain members and the government, whether from an environmental perspective or an economic perspective [7]. Nowadays, multimedia-assisted teaching has become an advanced evaluation implementation path in the evaluation of ideological and political education. However, the current ideological and political work in Chinese universities is still facing many problems. Therefore, the application of ideological and political education evaluation in life has been paid more and more attention. Yinxiang Z conducted in-depth research on this basis and discussed it in the form of multimedia. The basic concepts of artificial intelligence were used to give a brief introduction to the current situation. His article started with analyzing the relationship between artificial intelligence and education system, and discussed how to use multimedia technology. Through the application of multimedia courseware such as multimedia and artificial intelligence, the feasibility of this teaching mode was proved. The research results show that the implementation path and green development strategy of computer multimedia-assisted ecological ideological and political teaching evaluation have a positive effect on the cultivation of students' awareness of green environmental protection [8].

3. The role of multimedia-assisted ecological ideological and political teaching in evaluating implementation paths and green development strategies

3.1 Advantages of Multimedia Assisted Education

Nowadays, with the rapid development of science and technology, the advantages of multimedia technology are fully utilized in the teaching process of many new courses to promote the improvement of teaching efficiency. Learning interest is a kind of thinking orientation and intrinsic motivation for students to actively explore knowledge. It is especially important to create a good environment that can fully mobilize students' interest and knowledge in learning. The multimedia teaching has dealt with the above problems very well. It has strong intuition and can present the difficult problems that cannot be explained clearly in the old traditional teaching to the students intuitively with images, pictures, etc. [9]. This enables students to truly become the main body of learning. In this way, the teacher's educational and guiding functions can be effectively exerted. A situation where students can participate actively is created, which greatly activates the learning atmosphere of the classroom and improves the effect of teaching. For a long time, the teaching methods of ideological and political courses are relatively backward, which makes it difficult to achieve good teaching effects [10]. The use of computer for multimedia teaching can transmit teaching information and teaching content to students from many aspects, thereby expanding their cognitive scope and shortening their cognitive process. In particular, students can receive more information.

3.2 Implementation status of green development strategy in ecological ideological and political education

(1) Students' poor awareness of green environmental protection

At present, the green environmental protection awareness of college students is not enough. On the basis of practical analysis, it is found that many students have poor awareness of environmental protection and lack of understanding of low-carbon green life. Therefore, there are countless garbage in daily life, which has a great impact on the health of students. The quality of people should be continuously improved with age and knowledge. However, many students do not pay much attention to the details of life. Therefore, in the future work and study, the promotion of green development strategy is not optimistic.

(2) Students' environmental protection behavior is weak

At present, the students' awareness of environmental protection is not strong, and the concept of taking practical actions to protect the environment is relatively weak. For environmental protection public welfare activities, environmental protection activities, etc., more than 90% of the students said that they would not participate unless it was requested by the teachers and the college. Many students attach great importance to their studies and test scores. They hope to rank among the top in the comprehensive evaluation, which lays the foundation for future employment. However, they often ignore the accumulation of knowledge and the participation of social environmental protection activities. Even if they have the idea of participating in environmental protection actions, they cannot make a good plan or stick to it for a long time, which cannot achieve the expected results.

(3) Students' concept of green development is weak

In recent years, the phenomenon of global warming has become more and more obvious. Environmental damage is serious and resource utilization is low. Therefore, it is imperative to advocate a green lifestyle, publicize the concept of green development, and strengthen education on energy conservation and consumption reduction. In the "Situation and Policy" class, a teacher summarized the brilliant achievements and existing problems of the "Eleventh Five-Year Plan",

which mentioned green life. In the classroom, more than 90% of the students could not correctly say the meaning of green development, and could not give examples. In the "lights off for an hour" discussion, 90% of the students said they did not know the exact meaning of "turn off the lights for an hour". Only 1% gave a more accurate answer to the concept and activity of "turn off the lights for an hour". According to the survey, more than 90% of the students are still playing games when the lights are turned off. Only a very small number of students expressed their desire to go out and enjoy the quiet time of "turn off the lights for an hour". Some students also expressed that they felt that the lighting ceremony was meaningless. Even turning off the lights for an hour won't save much power, so it's best to get the job done right away. It can be seen from this phenomenon that students' awareness of green development is relatively weak and not optimistic.

3.3 Multimedia Teaching is Better than Old Traditional Teaching

In the modern multimedia teaching mode, not only can real cases be presented to students with slides, but also students can search for cases related to classroom teaching on the Internet, so as to improve students' enthusiasm for learning and curiosity. Simultaneously, it can keep them in a positive state of thinking at all times, thereby increasing their enthusiasm for learning. It can also improve their mental outlook and strengthen their deep understanding of what they have learned, thereby improving their autonomous learning ability and expression ability, etc. Through the use of multimedia technology, a lot of intangible knowledge can be displayed through films, animations, pictures, etc., to achieve the effect of combining theory and practice, which provides a modern teaching method for teachers to solve teaching difficulties. Figure 1 shows the composition of the multimedia teaching mode.

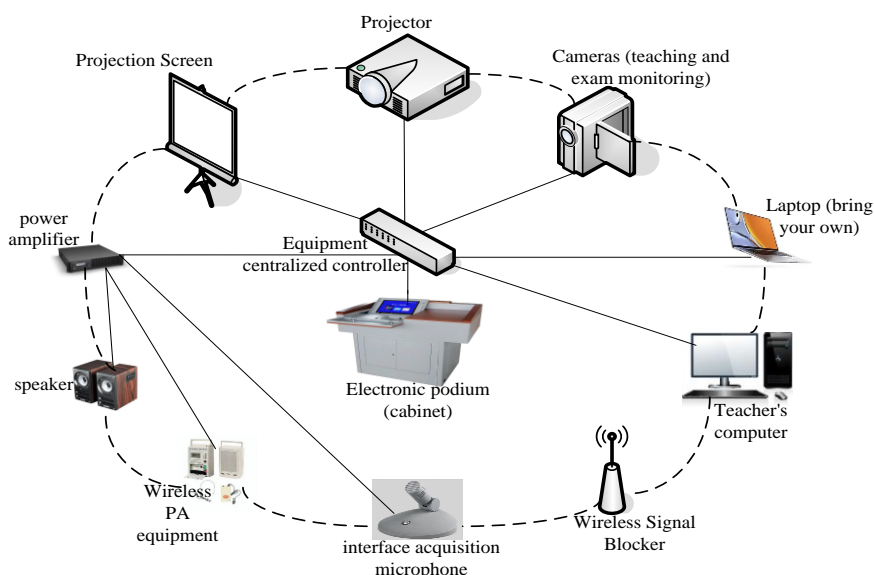


Figure 1. The composition of the multimedia teaching mode

3.4 Implementation path and green development strategy of ecological ideological and political teaching evaluation

Students' green environmental awareness and environmental cognition education should not only combine the physical and mental characteristics of students, but also conform to the teaching process of students. As long as students can follow the rules, they can do more with less. The basic law of ideological and political education is to maintain a proper tension between the educational

needs and the ideological and moral cultivation of the educated. This requires that the goals and contents of students' green environmental awareness and environmental cognition education should be differentiated according to the level and stage of students' ideological and moral development. This is very targeted. The second is the combination of education and self-study. While cultivating the initiative of students, we should also pay attention to stimulate the subjective initiative of the educated, so that their self-education function can be brought into full play. Finally, there are laws that restrict and coordinate the joint action of various factors. We promote the concept of low-carbon, green production and green lifestyles through media dissemination. The Internet is a new medium for ideological and political theory education. We should utilize the Internet to enhance public awareness of green development. We must adhere to the low-carbon concept and give full play to the advantages of Internet ideological and political education. Strengthening the management of college students' association activities will help to enhance the pertinence and effectiveness of college students' green development awareness and environmental protection awareness education. Taking "activity" as the carrier of ecological ideological and political education is a fine tradition, which has been inherited and carried forward in the construction of "mass" spiritual civilization in the new era.

3.5 Model Experiment of Computer Multimedia Assisted Education

As a new teaching system, network teaching system is a digital teaching environment that combines multimedia and network technology. As technology advances, people's traditional learning methods are also changing. Multimedia video teaching for computer network is mainly combined with database. In the application of database technology, the multimedia data is comprehensively managed, so that the role of the database can be brought into full play. It is assumed that a variety of information source signals $x_1(t)$ and $x_2(t)$ are added in the process of transmitting the multimedia system $s(t)$ through two transmission channels. Let signals $x_1(t)$ and $x_2(t)$ satisfy:

$$x_1(t) = a_1s(t - \tau_1) + n_1(t) \quad (1)$$

$$x_2(t) = a_2s(t - \tau_2) + n_2(t) \quad (2)$$

4. Comparison of computer multimedia-assisted ideological and political teaching evaluation and green development

With the continuous update of modern educational technology, the use of multimedia technology for teaching can break through the traditional teaching methods, which is a hot topic in the current education field. Today's world's climate is getting worse and worse, and environmental problems are getting more and more serious. It can be seen that the main difference between the two education models is the environmental pollution rate, green living concept, environmental awareness, and practical actions for environmental protection. Figure 2 shows the comparison of environmental awareness in the two modes.

Through multiple visits and surveys, it can be seen from the research data of the two teaching modes in Figures 2a and 2b that students in the old traditional ideological and political education generally have low environmental awareness. Many surveys found that the highest can only reach 75%. The development of multimedia makes the cultivation of low-carbon environmental protection awareness in ideological and political education more efficient than traditional teaching. At this stage, it has reached 95%. With the continuous reform of technology, the next level is just around the corner. The environmental pollution rate comparison is shown in Figure 3.

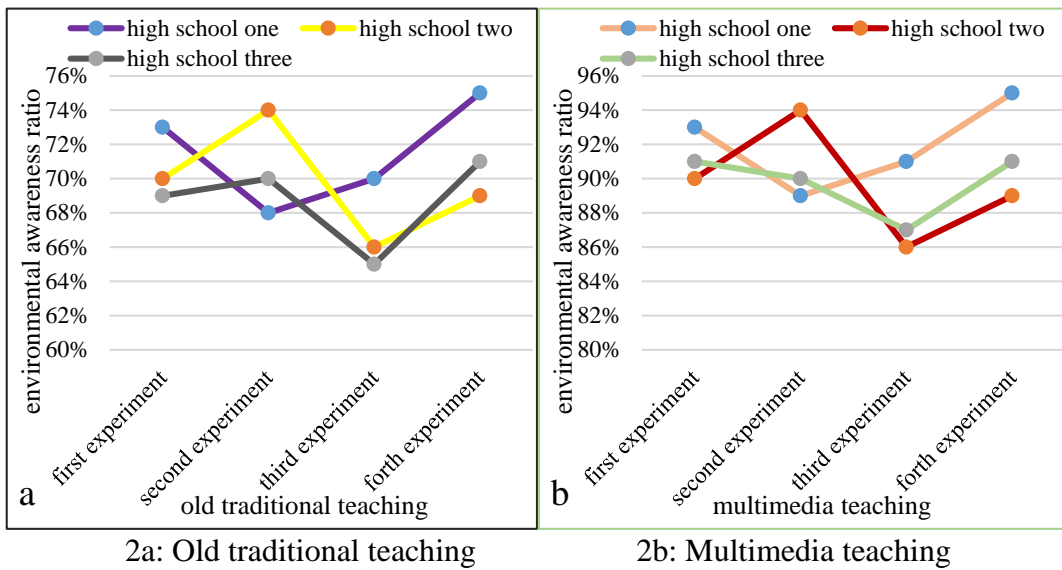


Figure 2. Comparison of environmental awareness

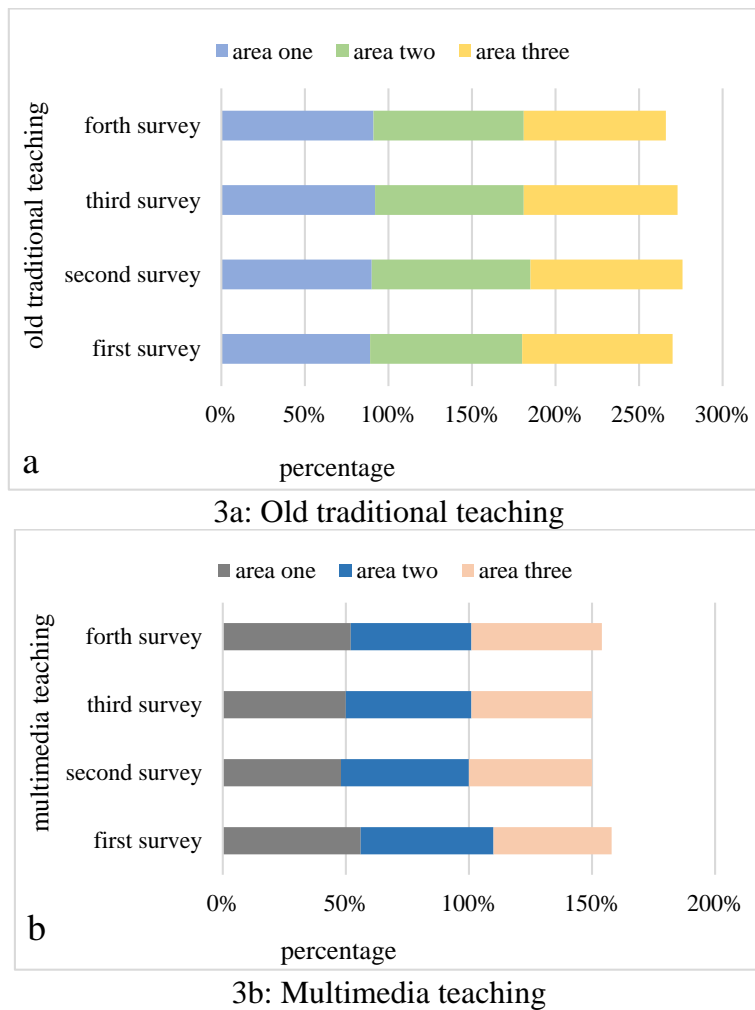


Figure 3. Comparison of environmental pollution rates

According to the random survey of the three major regions, due to economic development, it can be seen from Figure 3 that the environmental pollution level is around 90%, which has been stable.

Nowadays, the topic of low-carbon and environmentally friendly life has always been a hot topic of debate in all walks of life. With the development of multimedia, the environmental pollution efficiency has reached a lowest record of 48% with the support of new technologies. The future is expected to be lower, which means that this low-carbon concept has been accepted by the public.

5. Conclusion

In today's scientific and technological progress, computer multimedia technology should gradually strengthen students' understanding of the environment in the process of assisting the evaluation and implementation of ideological and political education, thereby enhancing the awareness of green development. It should also actively participate in environmental protection. At the same time, the majority of students should establish a low-carbon and green concept in their future work, study and life. At the same time, multimedia technology plays a pivotal role in school ideological and political education, laying a foundation for the harmonious development of society. The majority of teachers should correctly understand and grasp the advantages and disadvantages of multimedia teaching and traditional ideological and political education. At the same time, with the help of multimedia technology, it can stimulate students' thinking ability and improve their enthusiasm for learning. To make the teaching evaluation results in the future more objective and the evaluation implementation path more extensive, of course, multimedia teaching can only be used as an auxiliary tool and cannot be overly relied upon. While accepting the advanced technology of modern multimedia, we must also consider the advantages of traditional education, so as to combine the two into one. In short, the emergence of computer multimedia technology has improved the teaching effect. It stimulates students' enthusiasm for learning, and opens up a new way for the teaching evaluation path and the cultivation of green development awareness in computer-aided ideological and political education.

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