

Educational Informatization Promotes the High-quality Development of education

Mengya Li

School of Big Data and Computer Science, Guizhou Normal University, Guiyang 550025, China

Abstract

The high-quality development of education has always been a practical proposition in the field of education today. The party's 20th annual report points out that "education, science and technology, and talents" are the basic and strategic support for building a modern socialist country in an all-round way. Education comes first. Education informatization is a national strategy, which can promote the balanced development and equity of education to some extent. Reasonable use of the tool of education informatization can effectively promote the high-quality development of education in China and improve the quality of education. By exploring the path of improving the quality of education informatization, give full play to the unique advantages of education informatization, combine with the development level of education in China's education, and make contributions to the development of China's education.

Keywords

Education, High-quality development, Education informatization, Path.

1. Introduction

With the rapid development of the Internet in China, information elements have been gradually injected into education, which has also added impetus to the development of education. The vigorous development of new teaching forms has a negative effect on traditional teaching. In recent years, the promulgation of some education policies in China has made the overall planning layout and major adjustment of the whole education system, which provides a blueprint for the next development of education. With the continuous attention paid to education and the continuous development of China's economy and society, the country vigorously promotes high-quality educational resources in order to promote the high-quality development of education. Education informatization is an important systematic project, which not only reflects the development speed of national technology, but also reflects a kind of educational concept. Education informatization needs the cooperation of the government, schools, teachers and professionals, and makes joint efforts to achieve results.

2. The Connotation and Purpose of Educational Informatization

Education informatization belongs to a part of education modernization, that is, educators can achieve the purpose of education by means of informatization. The means of educational informatization include computer, artificial intelligence, big data and other digital technologies. The core of educational informatization is the use of these information technologies to promote the better development of human beings. On the one hand, the purpose is to make up for the shortcomings in China's education, and on the other hand, it is committed to solve the existing problems in education, such as how to improve the quality of education or how to improve the information literacy of modern people. In essence, educational informatization is to promote the comprehensive and harmonious development and personality development, and promote people to better adapt to the modern society.

3. Current Situation and Existing Problems of Education Informatization in China

3.1. The current situation of education informatization in China

According to the investigation of basic education and higher education in China, it is found that the development level of education informatization in China is not high enough, and the practice of education informatization in China is not very good. In daily teaching work, teachers do not use information technology in the classroom much, and the level of information technology is generally not very high. In most cases, it is used by teachers, and students just look from a distance, but do not contact to operate in person. Even if students operate by themselves, many basic operations are not skilled, requiring teachers to teach one to one, while information technology teachers are relatively scarce. Especially in some remote mountain villages, there are few schools offering information technology courses, and even in some poor areas, schools and families rarely have local area network and install computers.

3.2. The problems existing in education informatization in China

China's educational information infrastructure update is slow, and the equipment is not yet perfect. The concept of educational informatization has not been deeply rooted in the people's hearts. And some teachers their own information level is not high, usually not enough attention to information equipment, the frequency of use is also very low. In addition, teachers themselves do not pay enough attention to information technology will lead to low teaching efficiency and low education quality. The teaching level of information technology is low, and the integration of information technology and teaching is insufficient. At present, China has built a lot of learning platforms for resource sharing on the Internet, and knowledge can be gained through learning on the platform. Due to the relatively large economic level gap between cities and between cities and villages, this leads to the phenomenon of unbalanced and inadequate development in various regions. For some remote rural areas, the network has not been popularized, coupled with natural conditions, geographical environment factors, making the information technology means can not cover the vast rural areas.

4. The Significance of Educational Informatization to The Development of Education in China

4.1. It improves students' information literacy

Education informatization plays a vital role in both basic education and higher education, and plays a vital role in promoting the level of information technology in the whole society. On the other hand, it can also effectively use information technology in teaching management and scientific research, integrate educational resources, promote the modernization of education and informatization of teaching methods. Many independent colleges have also developed through the development of information technology, and the quality of education has been greatly improved.

4.2. Promote students' personalized development, improve learning efficiency and education quality

The aim is to use new educational means to change the traditional education methods, create a social learning atmosphere with innovation as the theme, strengthen the weak links, create a good independent learning environment, and use rich teaching means to make teachers' classroom content teaching rich and interesting, to meet the requirements of modern education. Through the use of information technology means to analyze each student's strengths and knowledge loopholes, timely check and fill the gaps, give play to the advantages of each student,

to teach students in accordance with their aptitude, promote the development of their personality.

4.3. It has enriched the high-quality educational resources and promoted the educational equity to a certain extent

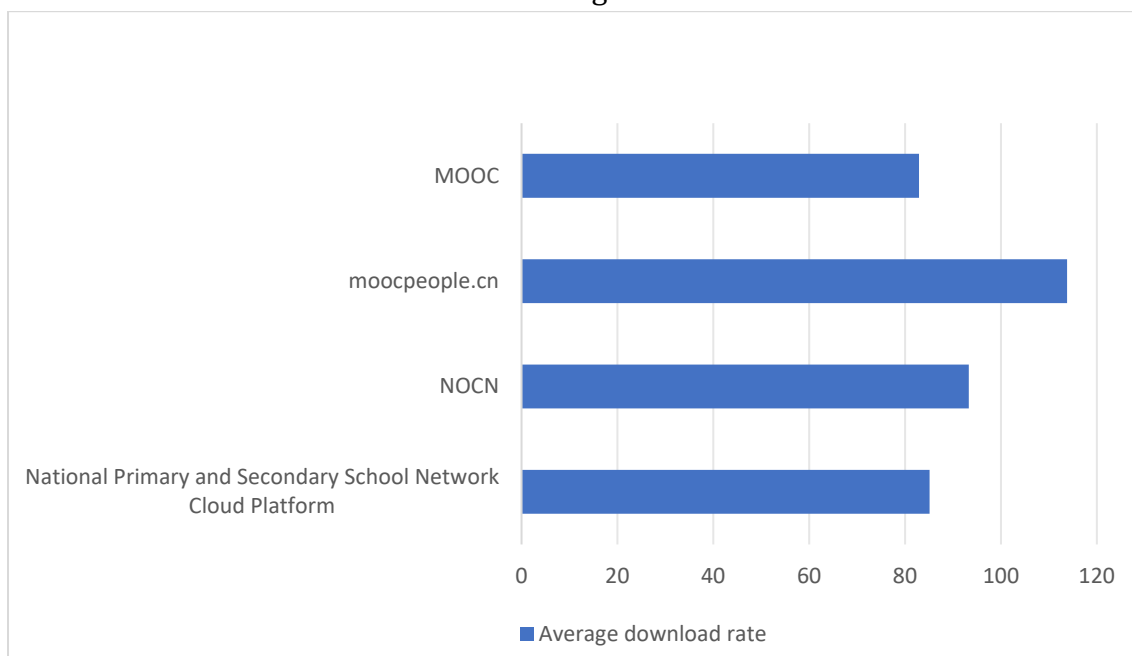
Now we can study independently on MOOCs, and anyone has the opportunity to learn on the platform. The traditional educational space has been transformed and expanded. Education can not only be expanded in the classroom, but also on the Internet, from the three-foot platform to the boundless educational space. In recent years, due to the rapid development of information education, the inconvenience caused by the epidemic to students' learning has also been alleviated, and the innovation of teaching methods has ensured that the teaching work can be carried out in an orderly manner.

4.4. Nararrow the gap between cities, towns and regions, at the same time, an effective response to the arrival of the epidemic

The development of education informatization makes the rural education facilities more and more perfect, and the educational resources are getting better and better. High-quality educational resources are no longer belong to whom and regions they belong to, but are widely spread to every place, narrowing the gap among different regions, promoting educational equity, and implementing the country's rural revitalization strategy, which is conducive to promoting common prosperity for all the people.

As shown in the figure below, the average download rate of some education platforms during the epidemic period,see Table 1.

Table 1. Average download rate



5. Explore The Path of Improving Education Quality Improvement Driven by Education Informatization

5.1. Strengthen the training of teachers' information technology skills

Schools should strengthen teacher training, improve the level of teachers' information technology, and strengthen the integration and connection between information technology

and teaching. Only with modern information teachers, can we educate modern students and realize the modernization and information of education. Primary and secondary schools should increase the recruitment of information technology professionals, such as computer science and modern educational technology professionals. Recruitment of these personnel can be specialized in information guidance and training for teachers.

5.2. Improve the assessment mechanism and teaching methods to attract students' interest

Interest is the best teacher, only students are interested in learning to learn independently. In ordinary classroom teaching, teachers should abandon the traditional teaching methods, use the teaching methods of combining classroom teaching and practical operation, and use teaching tools flexibly. The assessment of students should be divided into the combination of preschool test level, mid-term test and final test, and the assessment content should include the combination of theory and practical training assessment. After finishing the theory class, we can take advantage of the iron is hot and lead students to the computer room for practical operation. The combination of theory and practice is conducive to students' better learning. The integration of information technology and education provides convenience for teachers' classroom teaching, and also adds impetus to the development of education.

5.3. Increase information fund investment, integrate educational resources, and improve educational information equipment

The government should pay more attention to education informationization, increase the investment in education informationization, build a more perfect information infrastructure, and lay a good foundation for students' learning and teacher training. Each school should make full use of the resources in the school and build a set of information facilities. Funds should ensure funding, regularly check and maintain, and upgrade the education domain network to ensure that more schools can be served. After the integration of educational resources, they will be put into the sharing platform, so that more people can enjoy high-quality educational resources. We should strengthen the attention to the rural poor areas, increase the financial subsidies for them, build local area networks in the rural remote mountainous areas, and promote the network coverage of the whole country. This is also the basis and prerequisite of the realization of education informatization, the lack of local area network, cannot realize the development of rural education informatization. There should be corresponding institutional guarantee and corresponding policy attraction, so as to provide the most basic guarantee for those who want to devote themselves to returning home to develop rural education. The attraction of information technology talents is also the power of the development of education informatization. Integrating educational resources and promoting the sharing of educational resources are conducive to promoting the balanced development of education and promoting educational equity. The improvement of teachers' informatization level also provides impetus for the high-quality development of education.

5.4. We will implement relevant policies and improve institutional guarantees

The national government has issued the policy on education informatization to ensure the normal operation of information education in the later stage. On the other hand, it also attracts the attention of school leaders and all teachers and students, which is no longer a formal learning attitude towards informatization. The introduction of relevant policies will also attract more social people to join the information education team, provide more human, material and financial resources for information education, and promote the better integration and development of information technology in education. At the same time, it also provides more opportunities for students in remote mountain villages to learn information, promotes educational equity and improves the overall quality of education.

5.5. Do a good job of leading and demonstration, and promote the application of education informatization in teaching

Some areas with developed information level need to actively build pilot areas of education information and pilot schools. Through these demonstration schools to lead the development of local school informatization, and provide guidance and training for other schools. Developed areas should support the non-developed areas to carry out the construction of education information pilot base. Schools in the same area should also help each other. Schools with better information construction should share their experience with other relatively backward schools to promote the comprehensive and harmonious development of each school. Good schools should set an example to set a example for other schools and promote the high-quality development of education informatization. To adhere to the application of the king, service first purpose.

5.6. We will strengthen the promotion and application of the national public service platform for smart education

Gather the high-quality education resources and teachers of primary and secondary schools and colleges and universities across the country, and combine with the teaching resources of various regions, to build a public education service platform with local and national characteristics to serve the students and teachers across the country. Each region can give full play to its own advantages. For example, Guizhou has relatively strong big data, and can use big data technology to integrate into education and teaching to create information education with local characteristics.

5.7. Strengthen the investment of hardware construction to promote the construction and use of students' electronic classrooms

The government should increase the investment in hardware for schools, and schools should tilt more funds to information technology hardware. In recent years, the national and local governments invest more and more in hardware facilities every year, so the gradual improvement of teaching facilities also lays a foundation for the improvement of the quality of school education. Complete teaching facilities can ensure that students can enjoy modern technical tools without falling behind others, which promotes the comprehensive and harmonious development and personality development of students, and to a certain extent improves the current problems of the improvement of the quality of education.

6. Conclusion

Education informatization is an important measure for the country to implement the strategy of rejuvenating the country through science and education. It is also a systematic project that requires the joint efforts of all sectors of all walks of life. The government, schools, teachers, students and the society need to strengthen communication, cooperation and exchange, so as to make their own contributions to the promotion of education informatization and the high-quality development of education.

7. Author Profile

Mengya Li, Born in 1997, Zhumadian, Henan Province, Guizhou Normal University, Research direction: Technical and vocational education

References

- [1] Yang Hua. Education informatization is an important support to promote the high-quality development of education [J]. Education in Inner Mongolia, (2023)NO.3 p.17-26.
- [2] Wang Shuya, Bian Wen Wen. Education informatization promotes the high-quality development of independent colleges [J]. Chinese Journal of Multimedia and Network Teaching (published), (2022)NO.11 p.1-4.
- [3] Chen Ting, Gan Meng butterfly. Education informatization promotes the high-quality development of basic education: logic, dilemma and path [J]. Education and Teaching Research, (2022)NO.9 p.120-128.2022.09.003.DOI:10.13627/j.cnki.cdjy
- [4] Wang Hongmei. Education informatization: "new support" for high quality mathematics teaching [J]. Basic Education Forum, (2022) NO.21 p.65-66.
- [5] Pu Dinghong. Research on the core elements of informatization to promote the quality improvement of basic education [D]. (MS. Guizhou Normal University, China 2020). DOI:10.27048/d.cnki.ggzsu. 2020.000166.