

Study on the Participation of College Students in Digital Online Learning in Guangzhou

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Abstract

Digital online learning ability and as a necessary condition for learners to participate in digital learning greatly affect the participation of learners and the enthusiasm of digital learning. Digital online learning, as a form to verify the ability of self-learning, it has become the focus of learners and teachers to improve students' participation. College students' digital online learning ability and participation need to improve the effectiveness through various new teaching methods. Therefore, the forms and strategies of digital online teaching should keep pace with The Times, and more attractive and innovative teaching methods should be researched to improve students' learning interest and independent learning ability, and enhance their participation in online learning. Based on the analysis of the relationship between the digital online learning ability, online learning participation and online learning completion rate of Guangzhou college students, this paper puts forward some suggestions on how to improve the digital online learning effect of college students.

Keywords

College Students in Guangzhou; Digitization; Online Learning; Learning Ability; Degree of Participation.

1. Current Situation and Significance of College Students' Participation in Digital Online Learning Ability in Guangzhou

With the rapid development and wide application of digital online teaching technology, digital online learning and teaching have become an important feature and main driving force for social, economic and cultural development. At the same time, the digital era has also put forward higher requirements for college students. They should not only master professional knowledge and skills, but also constantly strengthen their self-learning ability and enthusiasm for participation, so that they can have innovative spirit, open thinking and cross-cultural communication skills, and develop good habits of self-discipline and lifelong learning. Independent learning ability refers to the ability to independently plan, organize, implement, evaluate and improve learning activities in the process of lifelong learning. In this era, college students need to have learning literacy in order to better adapt to this change and achieve better learning results. College students should recognize that learning is a valuable resource that can be used throughout their lives and see it as an important part of their daily lives. At the same time, we should maintain an open and innovative attitude and actively explore new learning methods and opportunities brought by digital technologies. In the process of digital online learning, Guangzhou college students have shown good self-discipline and independent learning quality. In this process, they not only have the spirit of active inquiry, continuous progress and continuous renewal, but also have the ability of cooperation, communication, reflection, adjustment and self-management. At the same time, they have the ability of

innovation and critical thinking, learn to understand and analyze problems from different perspectives, and constantly expand their thinking boundaries. In addition, the cultivation of digital online learning ability of Guangzhou college students should also pay attention to the cultivation of innovation ability. In the current digital era, innovation ability can show creative thinking and active behavioral ability at the macro level when dealing with complex problems and challenges. In the context of the rapid development of digitalization, innovation ability is an advantage that contemporary college students should have, and it is also the most indispensable ability under the influence of contemporary education. Innovation ability can help students cope with the challenges brought by the digital age, so that they can be good at thinking and solving problems in the process of personal development, and finally achieve personal achievements. In the digital age, college students need to have strong adaptability. In the process of digital online learning, they can change their previous learning mode, constantly adapt to the mission entrusted to them by the new era, strive to arm their minds through diversified learning channels, enhance their learning ability, actively participate in the mode, constantly enrich their vision, and enhance their adaptability and innovation ability through interconnected information technology. Expand your knowledge. In-depth analysis of their own advantages and disadvantages in the learning process, from an objective point of view to explore suitable for their own learning mode. In this era, the ability to process and collect data becomes particularly important. Students need to learn how to deal with big data and extract valuable information from it, which requires students to have a certain innovative quality. Only by daring to challenge traditional thinking can we explore better ways to solve problems and succeed in the fiercely competitive digital era. Innovative literacy can help college students explore new ideas. In the digital age, science and technology are developing rapidly, and all walks of life are changing. If students only rely on traditional thinking, it is difficult to succeed in the workplace. Therefore, students need to have innovative literacy, actively explore new ideas, and have the courage to accept and create new things, so as to gain a competitive advantage in the process of workplace and personal entrepreneurship.

2. The Necessity of Strengthening College Students' Participation in Digital Online Learning Ability

With the rapid progress of The Times, the development of social appointments is accelerating. The world's culture, science and technology are being transformed through digital technology, and the mode of talent training and learning is constantly changing. Digital online learning has become the most efficient and unrestricted coverage of a new learning model. The advantage of digital online learning is that it is not limited by time and space, and it can easily integrate and optimize massive high-quality teaching resources on the Internet at a high speed, so as to apply the latest and most cutting-edge subject technology to the content of online learning, and constantly promote the development of human science and civilization. At the same time, the digital online learning ability of Guangzhou college students should be the key training direction for the development of personal ability. On the basis of cultivating students' professional quality, it is the essential requirement and value pursuit of higher education to pay attention to the all-round development of students' humanistic literacy, social responsibility, moral quality, physical and mental health. This is also an important mission and responsibility of higher education. The digital age provides new opportunities and challenges for comprehensive education. It can be seen that the primary purpose of cultivating college students' digital online learning ability is to improve the national competitive advantage. The digital era is an era of globalization and networking, which puts forward higher requirements for the international vision and communication of college students. To become participants and promoters of national development, college students must have the international vision and

communication skills cultivated through comprehensive education, be able to understand the trends and laws of world development, participate in international cooperation and competition, disseminate Chinese culture and national image, and contribute to national interests and world peace. Adapt to the needs of social development. The digital era is an era of knowledge economy and innovative economy. The demand for talents is not only increasing in quantity, but also in quality. A single professional knowledge and skill can no longer meet the needs of society for diversified and complex talents. If college students want to become the main force of social development and the source of innovation, they must have the comprehensive quality and ability cultivated by comprehensive education, be able to flexibly respond to the changing environment, actively innovate, cooperate effectively, and make positive contributions. Secondly, it has an absolute advantage in promoting the growth and development of personal ability. The digital era is an era of information explosion and diversified values, which puts forward higher requirements for college students' self-awareness and self-management. To realize self-worth and self-realization, college students must have the ability of independent learning and self-development cultivated by comprehensive education, be able to screen and obtain useful knowledge in massive information, be able to maintain and shape their own values in multiculturalism, be able to analyze and solve difficulties in complex problems, and be able to stimulate maintain and improve your competitiveness in fierce competition.

3. Strategies to Enhance College Students' Participation in Digital Online Learning and Learning Ability

3.1. Digital Online Course Structure and Teaching Content Overall Reform

Teachers and students of all colleges and majors of Guangzhou University can carry out teaching and learning activities through the combination of on-site teaching and network teaching. By deploying Ovia, teachers do not need to change their teaching habits. Through AI intelligent tracking, they can achieve a full range of non-inductive collection of classroom features, classroom panoramas, blackboard writing and other content, and truly restore the classroom scene. Students interact with teachers through mobile phones, computers and other mobile devices to ensure class quality. After class, the entire teaching process is automatically filmed and recorded, which can be quickly uploaded to the campus resource platform. Teachers can mobilize teaching video resources and teacher-student interaction data at any time to reflect on teaching, which is conducive to innovative teaching and promote the improvement of classroom quality. Students can choose on-demand review courses through various terminal devices, consolidate review, and achieve efficient connection between online and offline classroom learning. According to the characteristics and requirements of the digital age, the course system, teaching content, learning forms and evaluation standards should be reformed. The curriculum system of digital online learning should highlight the professional characteristics, pay attention to the coordinated development of interdisciplinary, increase the proportion of innovative ability education and quality education, and pay attention to cultivating students' comprehensive quality and humanistic quality. The course content of digital online learning should keep up with the forefront of The Times, and the high-quality teaching resources in the Internet information can help students broaden their horizons, reflect the social needs from the perspective of professional teaching, introduce professional cutting-edge knowledge and technology, and stimulate students' learning interest and exploration desire. Curriculum forms should utilize digital technology to expand teaching space and time, achieve diversified and personalized teaching methods, and promote students' active participation and interactive communication. The evaluation and assessment of learning outcomes should pay attention to the process and results, conduct a comprehensive evaluation

of students' daily learning status, and actively adopt a variety of methods and standards to reflect the comprehensive development of students' learning outcomes. Colleges and universities should design and offer diversified, personalized and flexible intelligent courses according to students' different majors, interests and needs, including specialized courses, general education courses, elective courses, etc., covering the fields of humanities and social sciences, natural sciences, arts and sports, etc., so as to form a curriculum system covering all aspects of students' all-round development.

At the same time, digital information technology is used to enrich the content and participation forms of the course. The structure setting and teaching content of digital online courses need to be planned and reformed as a whole, especially the rhythm of digital online teaching needs to be adjusted scientifically. The core content of higher education is to cultivate students' comprehensive practical ability through professional knowledge and practical operation. In the traditional teaching mode, teachers can react to their own teaching rhythm and content according to students' eyes and on-site reactions, while the digital online learning mode changes the traditional identity relationship between teachers and students. Online learning gives the initiative of learning content and pace to students, who can independently arrange learning time and content, fast-forward the course content they have fully mastered, and repeatedly study and research their weak knowledge points. For students with strong self-learning ability and self-restraint ability, digital online learning mode can improve their learning efficiency, while for students with weak self-learning ability and weak self-restraint, online learning is undoubtedly a free-wheeling for them. For students with weak learning purpose, their participation in digital online learning will also be greatly reduced. Online learning requires less immediate feedback from students, which can also lead to a decline in students' learning efficiency. Therefore, high efficiency should pay attention to teaching students according to their aptitude, and respect the differences of students' personal development in the setting of online course structure. Advanced learning courses should be set for students with strong learning ability, while corresponding adjustments can be made in the setting of learning content for students with weak foundation and average learning ability. According to the students' regular homework feedback, the difficulty of the course is adjusted in time. In this way, students can maintain sufficient enthusiasm for learning in the process of learning. After the form of online teaching is personalized and customized, the participation of students will be greatly improved. It can not only protect students' self-confidence, but also allow students to maintain a continuous learning motivation during the long learning process, which is the essence of individualized teaching. Since the era has endowed a scientific learning model, educators should refocus on making good use of the technological advantages of digital online learning, so as to continuously improve the overall learning level and comprehensive ability of college students, and in the future, create more careers and careers that can benefit the society for them to have a diversified career direction.

3.2. Optimize Digital Online Teaching Resources to Improve Students' Autonomous Learning Ability

With the rapid development of digital technology, digital online education has become one of the most popular and cutting-edge education methods in the world today. Digital online education is supported by the most cutting-edge intelligent learning software, converts all open educational resources on the Internet into digital forms, realizes the openness of educational content within the Internet, and disseminates it to students online through advanced scientific and technological means. The digital online learning model can change the traditional education model across time and space, break geographical restrictions, and enable people to access, share and exchange educational resources anytime and anywhere. The form of digital online teaching is also testing students' independent learning ability and self-discipline. In

addition, online learning can effectively improve students' independent learning ability, improve teaching efficiency, and promote educational fairness. One of the main features of digital education is that it can significantly improve students' self-learning ability, as shown in Figure 1.

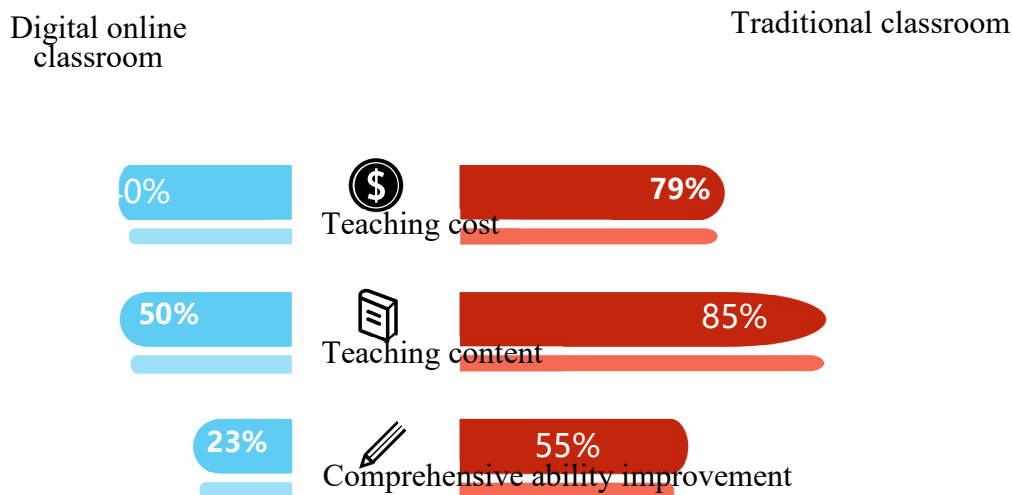


Figure 1. Comparison diagram of ability improvement between digital online classroom and traditional classroom

Since digital education is not limited by time, space and geography, students can obtain educational resources they are interested in anytime and anywhere for independent learning. Students with strong self-learning ability can establish a learning structure suitable for themselves and summarize a set of learning methods and learning progress suitable for themselves, thus avoiding the uniform learning progress in class. It is a great blessing for students who are slow in learning and absorbing. Digital education adopts multimedia, interactive and other forms, making learning more flexible and interesting, greatly improving students' learning enthusiasm and participation, and improving the mastery of professional knowledge. The traditional education model requires the input of human and material resources, while the digital education can replace part of the communication and interaction between teachers and students in the traditional education model, save time and resources, and improve teaching efficiency. At the same time, digital education can also conduct data analysis. Through big data algorithms and advanced artificial intelligence technology, tracking and analyzing students' learning situation, providing students with personalized learning programs and improving teaching quality. Digital education breaks down geographical restrictions and gives students everywhere access to the same educational resources. At the same time, digital education can provide personalized teaching solutions for different students, so that each student can learn according to their own characteristics and needs, so as to narrow the gap between different regions, different families, different students in education opportunities and learning platforms, and fully reflect the fairness of education.

4. Conclusion

College students' digital online learning, as a mainstream education mode and a new education mode, plays an important role in promoting the popularization of education and improving the quality of education with its strong technical support and outstanding advantages. Digital education can not only improve students' autonomous learning ability and teaching efficiency,

but also provide fair and abundant learning opportunities for every student through various means.

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