

Innovative Research on Pedagogy in the “Internet Plus” Era

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Abstract: With the arrival of the internet plus era, all kinds of emerging ideas and technologies, which have never been poor, have been popularized in various fields at a fast speed, and have led to major industrial changes. It is precisely because of the development of network technology that the field of education has undergone a subversive transformation, in which teaching ideas are becoming richer and richer, teaching methods are more diverse, and learning needs are gradually increasing, resulting in the change of “teaching” and “learning”. In this regard, this paper analyzes the actual needs of the development of pedagogy, and puts forward the countermeasures of comprehensive innovation of pedagogy in view of the new opportunities of internet plus's development, so as to further exert the educational value.

1. Introduction

The development of network technology drives the innovation of major industrial models in society, especially in the teaching field which is greatly influenced by information technology. Facing the situation that the traditional teaching model can't meet the actual needs, the innovation of pedagogy is implemented with the help of new technology, which promotes the innovation and development of education in China. In the current educational environment, combining the advantages of traditional teaching, we should expand our teaching thinking, rationalize and innovate our teaching ideas, and diversify our teaching methods. It can make the development of educational activities meet the needs of learning and teaching, teachers' work and study, realize subversive innovation, and promote the promotion of knowledge transfer level.

2. Subversive Innovation is the Actual Need of Pedagogy Development in Internet Plus Era.

2.1 Meet the Needs of Innovative Teaching Ideas

Under the background of internet plus times, there are many new teaching ideas and teaching methods born by relying on network technology, which not only bring great innovation to teaching activities, but also promote new teaching ideas to enter the classroom, bringing about great changes in teaching and learning. First, in terms of “teaching”, the construction of micro-class teaching, distance teaching and online teaching platform has changed the way of one-way transmission of traditional knowledge ^[1]. As the organizer and implementer of teaching, teachers' discourse dominant power is reduced, and teachers' roles have changed greatly. In this environment, in order

to further strengthen the guiding power of classroom teaching and the scientificity of online instruction, teachers actively introduce innovative teaching ideas and thoughts, so as to separate themselves from the traditional teacher role and provide a good foundation for building a new teacher-student relationship. Second, in terms of “learning”, in the traditional teaching mode, students have a good degree of dependence on teachers. What knowledge students learn, and how they acquire knowledge, all depend on what methods teachers adopt and what information they transmit. This way of learning makes students in a passive position, and it is difficult to improve their learning autonomy. The emergence of online learning platform makes students become the main body of knowledge acquisition, and the learning method changes from passive acceptance to active acquisition. The return of the main body of education plays a great role in promoting students' learning activities, which not only adapts to the present situation of contemporary pedagogy development, but also meets the needs of innovative development of “teaching” and “learning” [2].

2.2 To Meet the Needs of Learners.

As the subject of education, students have a certain desire to acquire knowledge in the face of all kinds of theoretical knowledge and new learning ideas in the field of education. However, for a long time, in the traditional teaching activities of students, teachers control the classroom, which reduces students' learning autonomy and their demand for knowledge, thus affecting the orderly development of teaching activities. Under the background of network era, all kinds of information technologies are widely used, which makes the simple transmission of traditional knowledge replaced by online and offline mixed teaching [2]. In the new educational environment, the further exertion of students' main role can enable students to participate in learning anytime and anywhere, and obtain massive learning resources through simple searching and downloading, thus realizing the return of students' desire to acquire knowledge. The construction of this network learning mode enables more learning activities to bypass the link of “teaching”, directly enter the learning state, and gain true knowledge in practice. This change in learning style changes students' demand for teachers. From the past knowledge acquisition, problem solving, thinking inspiration, into interactive communication. The emergence of this kind of learners' needs requires the innovation of teaching activities, participation in students' self-regulated learning activities with a new attitude and a new look, teaching assistance aimed at students' needs, strengthening the guidance of students' thinking, and pertinence of teaching guidance, so as to drive the reform of teaching methods with demand and meet the increasing learning needs of students.

2.3 Meet the Needs of Innovative Education in Schools.

The wave of the Internet age has prompted the integration of new educational technology and traditional teaching mode, resulting in a new teaching mode with the Internet as the core, which has greatly changed the school education system, teaching system and curriculum development. The enrichment of teaching resources to a great extent, as well as the efficient dissemination of knowledge and information, reduce the absolute superiority of the school in the use of resources and increase its responsibility for the management of resources and information [3]. In the face of students' independent learning activities outside the classroom, because the content that students are exposed to has not been strictly screened and refined, it is easy to make wrong thoughts and information adversely affect students. In view of this situation, learning education needs to break away from the previous work mode of attaching importance to education and scientific research, attach importance to the guidance and management of students' autonomous learning activities, and make a new teaching system to ensure the orderly development of online and offline activities, so as

to realize the complementary advantages of different teaching methods. In the network teaching platform, the online learning supervision function of students can meet the needs of school management and provide more help for better controlling autonomous learning activities. At the same time, under the guidance of Chinese traditional pedagogy, schools pay more attention to teachers' teaching ability, but pay less attention to teaching guidance and teaching support. It is rare to fail to study the question of “why to teach” or “how to teach”. However, with the arrival of internet plus era, the importance of teaching guidance for teaching work has been continuously improved. The spread of the idea of “not teaching” brings new thinking to school education. At the same time, the development situation of comprehensive innovation of “teaching” and “learning” also meets the needs of school innovation and development, and becomes the internal driving force for the development and implementation of school education innovation activities.

3. Research on the Subversive Innovation Countermeasures of Pedagogy in the “Internet Plus” Era

3.1 Follow the Principle of “Not Teaching Pedagogy” and Promote the Subversive Innovation of Pedagogy.

According to relevant research, in the course of human development, the idea of “not teaching” and the idea of “teaching” are mutually integrated, interdependent and mutually reinforcing. It's just that in the process of people's growth, they have long been accustomed to “teaching” and neglected the natural growth and development advocated by “not teaching”. There are two main ideas about “not teaching” in Chinese pedagogy, which come from the ancient Buddhism and Confucianism. First, although the Confucian educational thought has always been based on teaching, Confucius and Mencius, a Confucian sage, have a lot of explanations about not teaching. Moreover, non-teaching as a special learning method has far-reaching influence in the field of pedagogy in China. Secondly, there are many related Buddhists in the field of pedagogy, and the discussion and deduction of non-teaching are mainly reflected in the classic Buddhist scriptures such as Diamond Sutra and Amitabha Sutra, and there are many explanations of non-teaching ideas ^[4]. In the process of the development of traditional pedagogy in China, most educators are influenced by cognitive limitations. In the choice of teaching methods, they are used to actively transmitting knowledge to students, so that students can passively accept knowledge, and rarely let students participate in classroom teaching and exchange ideas with teachers. However, students should be influenced by the traditional concept of education, and gradually become dependent on teachers' knowledge transmission. They generally lack subjective initiative and autonomous learning ability, which ultimately has an extremely adverse impact on students' learning career. Therefore, in order to promote the subversive innovation of pedagogy in the era of internet plus, we should actively change this teaching situation. Instead of letting students passively accept knowledge, we should teach students the means and methods to master knowledge correctly. Return the class to students, give full play to students' subjective initiative in class, and let students master more knowledge and skills through autonomous learning, thus reducing students' dependence on teachers. In concrete practice, it is necessary to take the reform and innovation of pedagogy as the guide, and actively introduce various teaching methods popular with students in internet plus era, such as flip classroom, online teaching, case introduction teaching, scenario creation teaching and group cooperative learning, etc., so as to fully attract students' research and make them gradually incline to “no teaching” in the Internet+education mode, instead of passively inputting in the traditional enterprise achievement education method.

3.2 Update the Ideas of Pedagogy, and Realize the Innovation of Pedagogy with the Times.

The network is more inclusive, emphasizing tolerance and openness, and encouraging innovation, freedom and sharing. These ideas and concepts are integrated into the development of pedagogy, which can not only effectively stimulate the discipline vitality of pedagogy, form a driving force for guiding innovation and subversive innovation, but also promote the reform and innovation of traditional pedagogy ideas and truly promote the development and progress of education in China. Therefore, based on internet plus's pedagogy reform and innovation, we should take the network thought as the guide, actively update the teaching ideas, and realize the pedagogy innovation with the times. As an important instructor to impart knowledge and answer questions for students, teachers' duty is to pass on knowledge and skills to students and answer their growing puzzles. As an important way to spread knowledge, the Internet has the advantage of spreading information to students and enriching students' knowledge reserves. According to the relevant research, the Internet is an important carrier for collecting massive information and data, and it does not contain specialized subject knowledge which is not available in textbooks ^[5]. It is precisely this that makes the Internet have a strong educational function. Combining the Internet with education is consistent with the goal set by pedagogy, conforms to the concept of preaching and teaching, and is highly compatible with the characteristics of pedagogy and the requirements of social development and progress in the times. Therefore, actively updating the traditional educational idea, taking internet plus as an important way of educational reform and innovation, and taking network thinking as a new idea of educational reform are conducive to boosting educational reform and breakthrough. In practice, the educational thought reform under the background of internet plus requires educators to focus on the role of education in people's all-round development and the educational path to promote students' all-round development. Under the background of internet plus, pedagogy should integrate the ideas and knowledge of many disciplines, including information technology, modern psychology, modern philosophy, modern ideological and political education, etc., and learn the applied parts from them to promote the integration of disciplines, so as to cultivate outstanding talents who are physically and mentally healthy, innovative and all-round in order to enhance the innovative value of pedagogy. In addition, the user thinking emphasized by the Internet, that is, the concept of “taking students as the main body”, should be fully embodied in pedagogy, so as to realize the role transformation of teachers and students and effectively promote the effective implementation of teaching and learning.

3.3 Avoid the Oversupply of Traditional Education and Promote the Reform and Innovation of Pedagogy.

The old saying that “it is better to teach people to fish than to teach them to fish” has always been the basic guiding ideology of pedagogy, but it has not been fully reflected in education and teaching. In the process of most talents training, the purpose of teachers' talents training is usually to quickly improve students' current academic performance and enhance students' ability to take exams, and they choose to instill theoretical knowledge into students blindly. Under this teaching mode, although students can completely memorize the theoretical knowledge instilled by teachers in a short period of time, they can't really master the knowledge themselves and the knowledge acquisition methods. When the memory gradually disappears, the knowledge they have learned will be slowly forgotten. In the long run, this over-supply teaching mode is not conducive to students' future study and sustainable development, and the effect of talent cultivation is generally low. Especially in the era of internet plus, students' access to learning resources has become richer, teachers' functions have been gradually weakened, and modern teaching tends to be in a state of “no teaching”. In the era of internet plus, if people adopt this overly aggressive teaching mode, it will

not only marginalize books and teachers' teaching, but also reduce students' interest in learning, and make students begin to dislike or contradict teachers' classroom teaching, which is not conducive to the innovative development of pedagogy . Therefore, it is necessary to meet the learning needs of learners under the background of internet plus times, constantly reform and innovate the education and teaching mode according to the characteristics of current students' learning behaviors and knowledge acquisition channels, and adopt the Internet+education integration teaching mode to promote the communication and interaction between teachers and students, enrich the teaching forms and contents, and really promote the reform and innovation of education needs ^[6].

3.4 Constantly Enrich the Research Content of Pedagogy and Realize the Innovation of Teaching Mode.

In the era of internet plus, to promote the subversive innovation of pedagogy, we can encourage educational researchers to actively use advanced Internet information technology, enrich their own pedagogy research content, expand the scope of pedagogy research, and integrate various learning resources in the network to create new educational achievements, educational theories and knowledge, so as to continuously promote the innovation and development of pedagogy. In the teaching practice, teachers should be encouraged to use the Internet platform to change the current teaching methods and students' learning methods, and use the Internet technology to enrich the teaching content system and optimize the teaching mode. The online and offline mixed teaching method is adopted to change students' learning path, which is convenient for students to use Internet technology to carry out learning activities anytime and anywhere, and to break the limitation of time and space in the traditional classroom teaching mode. In addition, to promote the innovation of pedagogy in the era of internet plus, we can also combine science and technology with teaching activities, and make use of various forms such as video teaching and network teaching to establish students' dominant position in classroom learning, so that students can realize personalized learning.

4. Conclusion

All in all, under the background of internet plus times, relying on the innovative teaching idea of the development of network technology, taking into account the characteristics of information-based teaching, we should deepen the education work in the traditional teaching mode, introduce new teaching methods and means in an all-round way, and realize the subversive innovation of “teaching” and “learning”. The brand-new teaching mode constructed in the era of internet plus, using the network platform to carry out more targeted guidance, further stimulate students' learning autonomy, make students think more deeply and comprehensively, and promote the significant improvement of their learning level. Faced with this great change in pedagogy, the educational field needs to seize the opportunity of innovation and development, combine new teaching contents and guidance methods, promote the comprehensive innovation of school education mode, teachers' teaching methods and students' learning methods, continuously and effectively strengthen the transaction value, and also play an important role in educational innovation, so as to provide more support and help for the development of education in China.

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