

Research on Strategies for Improving College Teachers' Informatization Teaching Ability Against the Background of Internet +

Bo Zhang*

School of Life Sciences, Changchun Normal University, Changchun 130032, China

* zhangbo7403@163.com

Abstract. With the advent of the era of big data, the Internet has penetrated into all fields of society. In order to adapt to education informatization, it is necessary to improve the teaching ability of college teachers. It should not only become an important part of the assessment system of teachers' ability, but also become an important measure to train interdisciplinary teaching staff. This paper makes an in-depth analysis of the education reform brought about by the development of Internet technology at present, and makes a strategic research on improving the information-based teaching ability faced by college teachers in the traditional mode. Under the background of Internet + digital education, it is important and necessary for college teachers to improve their informatization ability.

Keywords: Internet education; college teachers; informatization; teaching ability; promotion strategy.

1. Overview

With the improvement of information technology, education environment also has earth-shaking reform. With the introduction of information technology in colleges and universities, the informatization teaching ability of teachers in colleges and universities has become an important index to evaluate teachers' teaching. How to improve and train the practical application level of teacher information technology, how to develop and strengthen the team of university teachers in a diversified way, and how to improve the ability of teacher information teaching have become the key work of every university teaching related management personnel. This new education mode, which integrates with Internet technology, can effectively improve the disadvantages of spoon-feeding teaching between teachers and students, and is an inevitable development trend in the context of Internet education.

2. Current Situation of Teachers' Informatization Teaching Ability Against the Background of Internet

In recent years, with the continuous improvement of education level, normal schools have provided many compound teaching talents for the faculty of colleges and universities. With the constant optimization and improvement of the proportion of double-qualified teachers in colleges and universities, the overall level of the faculty of colleges and universities is in a high position. However, for the mastery of Internet information application technology, the teaching ability of some college teachers still has a lot of room for improvement.

Under the influence and influence of traditional teaching mode, many college teachers still have some resistance to the teaching mode of Internet informatization. This dependence on traditional teaching mode makes college teachers have a great obstacle to the promotion of education of new Internet informatization.

On the other hand, with the deepening of Internet education informatization, some college teachers still have certain limitations in setting up their own teaching links due to imperfect information and untimely update. Therefore, in the teaching design process is still willing but insufficient strength.

The application of Internet information technology of college teachers is a dynamic process of gradual development. This requires not only support and cooperation from schools and relevant government departments, but also teachers' subjective initiative and enthusiasm for Internet informatization education. In order to carry out more comprehensive information technology.

3. New Teachers Against the Background of Internet

With the improvement of communication technology and the arrival of the intelligent age, information education has become a necessary education technology means for every teacher in education of many colleges and universities. Changes and innovations in teaching forms such as "flipped classroom" and "micro classroom" will be presented in the form of pictures for readers to understand the above two new teaching modes, as shown in FIG. 1 and TAB. 1 for details.

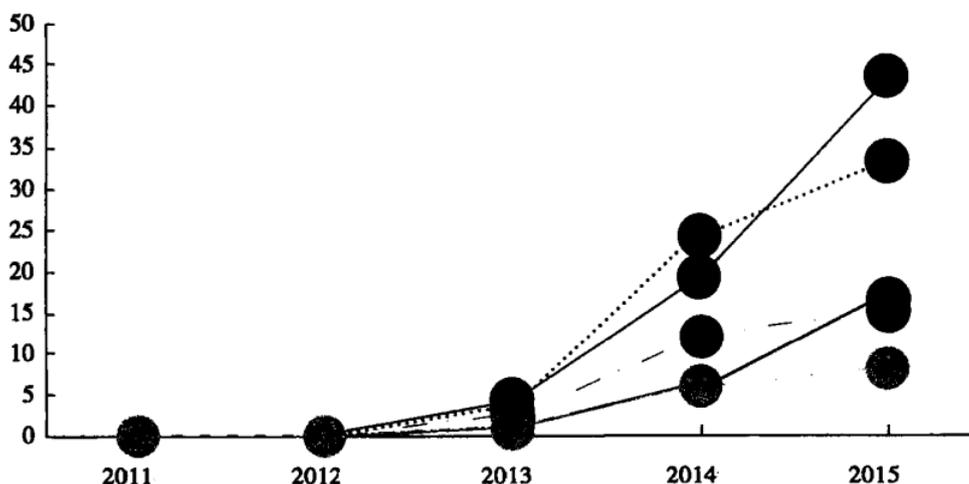


Figure 1. Trend chart of year of promotion in class and flipping class

Table 1. takes Love School as an example, and the number of students online in 2017.

Number of students in school online	mathematics	the fine arts	physical culture
1000078	8564	11871	32561

Through the study and application of information teaching technology, students' interest in learning has been greatly enhanced, and meanwhile, their innovative and practical ability of combining in-class with off-class has been further realized. The continuous renewal of the traditional education teaching method has produced a new teaching method more suitable for middle school students in the process of modernization. This will be the main body of education from the teacher to student's teaching mode, as a service to the students who need teachers guide, this kind of role transformation, also need the teacher timely change their ideas, actively accept fresh lose, familiar with the application of information technology teaching technology, can better adapt to the development of the Internet education [1].

4. Construction of Internet Education Information Teaching Application Environment

4.1 Construction of Internet Information Campus

The current development direction of campus culture, should not only focus on a single cultural quality of education, the construction and development of information campus, should also be an important development direction of college campus culture. Each university should combine its own teaching actual situation, through the specialty characteristic, the school scale and the development plan and so on related content to do the thorough analysis and the discussion, thus proposed suits this school the informationization teaching management plan. Through the introduction and overall planning of intelligent recording and broadcasting room, virtual simulation system and other information equipment, a set of hardware system is created which is most beneficial to teachers' information teaching. This not only affects whether individual teachers can effectively participate in

the informatization teaching reform, but also affects the integrity of the construction of informatization campus in the social education system.

4.2 Construction of Internet-based Shared Teaching Resources

The new education under big data makes the difficult education fairness problem solved well. The establishment of professional network education platform and professional education teaching resource base not only changes the traditional teaching mode, but also increases the tedious steps of teachers' pre-class preparation and improves students' independent learning ability. Education resources are Shared through the Internet, so that many areas lacking education resources can realize education resources sharing and education fairness in a real sense through "double-teacher classroom" and other relevant information teaching methods. This is a new teaching mode that combines online and offline through Internet information technology. The pace that accelerated construction of sharing teaching resource. In order to better show the double-teacher class, it will be presented in the form of pictures, as shown in figure 2.

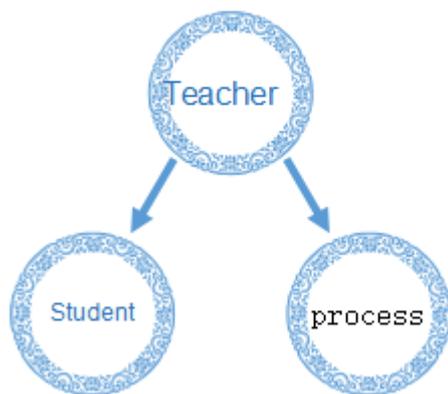


Fig. 2 contact diagram of two teachers' class

5. Strategies for Improving the Ability of Information-based Teaching Against the Background of Internet

5.1 Construction of Information-based Teaching Resources

Technical support and financial guarantee are two essential contents for the reform of teaching field. For the improvement of the informatization teaching ability of college teachers, it is necessary for the school to support them. Firstly, the teaching platform and related teaching software are the basic guarantee for the application of Internet teaching technology. In the process of putting the equipment into use, the information input of these information-based teaching equipment should be strengthened regularly and the equipment system should be updated timely. If conditions permit, it is suggested that colleges and universities can set up specialized information service teams, which can not only provide effective technical support for teachers, but also facilitate the smooth development of teaching [2].

5.2 Renewal of Teaching Concept and Teaching Ability

At present, the application of Internet information teaching technology is still in the development stage in education of colleges and universities. This new teaching mode is both an opportunity and a challenge for teachers in colleges and universities. This requires teachers to have a deep understanding and cognition of information technology from the depths of their hearts. Only by truly accepting this Internet teaching concept, can teachers better play their subjective initiative and flexibly apply information teaching. In addition, the organic combination of theory and practice can

fundamentally improve the level of education informatization of college teachers. By inviting professional education informatization scholars and conducting regular training and explanation of informatization teaching, the new education mode can be effectively groped forward in practice and promoted in the collision.

5.3 Combination of Traditional Teaching Methods and Information Technology

In many teaching fields, teaching facilities and equipment are often replaced. When new teaching equipment is put into use, the old teaching equipment is replaced accordingly. However, for the imperfect Internet information teaching model, blindly advocating and blindly resisting are not desirable. This kind of teaching method, which is derived from the development of the environment era, can only be better understood and applied by students and teachers when combined with many excellent teaching methods in the traditional teaching mode. This not only increases students' interest and initiative in learning in class. You can also make good use of inquiry-based learning methods. Different forms of teaching corresponding to different contents can effectively combine traditional teaching methods and information technology, so as to better serve the education classroom in colleges and universities.

5.4 Optimize the Content System of Information-based Teaching

The core of education is that teachers express and impart teaching ideas in their own unique ways. In the construction of the application system of information education, teachers should actively guide teachers to set students as the teaching center in the teaching process, and take students as the main goal in all courses in the class as the core. Focus on cultivating students' ability to solve problems, so that the information teaching content system from the classroom to cover the classroom. Only by giving full play to the role of information technology can we better improve the practical problems in the process of classroom teaching.

6. Conclusion

Internet information technology not only changes every aspect of our life, but also imperceptibly changes the way and method of learning of college students. As compound college teachers in the new era, they should master the latest teaching skills. Internet information education teaching is the product of the development of The Times, and it is also the only way for the development of education in Chinese universities. Only by constantly expanding and updating the teaching concept, constantly optimizing and improving the teaching ability, and carrying out targeted innovation and reform of education classroom in colleges and universities, can we better adapt to the development direction of college students in today's society.

References

- [1]. jingzhu, qian ding guoyong. Research and practice on the improvement of information-based teaching ability of young teachers in universities and colleges in the era of "Internet +" [J]. Education informatization in China, 2017(10) : 78-81.
- [2]. pengli. liA brief analysis of strategies for improving the teaching ability of mathematics teachers under the background of "Internet +" [J]. Education teaching BBS, 2017(37) : 30-31.
- [3]. xiaojun. zheng Discussion on integrated reform strategies for improving teachers' informatization teaching ability and training [J]. China education informatization, 2017, (10).
- [4]. tingting. he Survey and strategy on the status quo of information-based teaching ability of college teachers -- a case study of jiangsu vocational colleges [J]. Fujian computer, 2017,(1):98-99.