

Analysis on the Promoting Function of Network Education Platform on Teachers' Self-determination Professional Development

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Abstract: In the teacher education work, the enthusiasm, initiative and creativity of teachers must be fully mobilized to ensure the effectiveness of teacher education. With the development of network technology and the popularity of applications, the network-based teacher professional development platform has gradually become a new form of promoting teacher professional development. With its rich resources, convenient interactivity, and flexible autonomy, the network has advantages over other tools for teachers' independent professional development. This paper, mainly through the investigation of the teacher professional development platform under the network environment, starting from the functional characteristics of the network platform and the demand of teacher professional development, analyses the achievements and shortcomings of the platform at this stage. It provides some reference and reference for the construction of teacher professional development platform. The platform of new technology provides a good network environment for teachers to construct knowledge, form a network learning community and promote teachers' professional development. Therefore, it is of practical significance to construct a platform for teachers' professional development to promote teachers' professional development.

1. Introduction

The information wave makes the network become an indispensable part of people's life. BBS, blog, timely communication software and other network application platforms are emerging in an endless stream [1]. Most of the traditional teachers' education work adopts the form of combining concentrated face-to-face instruction and self-study, focusing on the teaching of theoretical knowledge in training materials, and evaluating the effect of learning activities through examination [2]. Teacher professional development is the fundamental guarantee to promote teaching reform and the key to implement quality-oriented education and quality engineering [3]. The development of modern educational technology provides strong support for the transformation of educational thoughts, viewpoints, teaching and learning environment, which inevitably requires the change of teachers' educational ideas, contents, forms and contents [4]. In the network environment, the establishment of the teacher learning community can be supported by the network technology platform, through the shared educational resources to carry out learning activities, and appropriate communication methods to solve the problems in learning [5]. The information technology represented by multimedia technology and network technology has been continuously developed and gradually used in various educational and training activities, showing unique functions and advantages, and providing a new form of training for teacher education [6]. With the development of information technology, network teaching and research has emerged as the times require. How to use the advantages of network to promote school teaching and research has become the focus of our attention. Therefore, it is necessary to study an effective teacher professional development support model.

2. Materials and Methods

After decades of evolution, the concept of teacher education has developed from the stage of teacher professionalization, which emphasizes the improvement of the social status of teachers'

groups, to the stage of teacher professional development, which emphasizes the improvement of individual professional quality of teachers. Teachers' autonomous professional development refers to teachers' constant guidance of external value in the process of professional development, independent of external pressure, choosing what they need to learn and putting it into practice. In this process, it shows a strong sense of self-development. To a considerable extent, the process of teachers' professional development is "through practice, accumulate experience, form case knowledge with personality characteristics in the actual teaching situation, and through the interaction of the community, transform the individualized tacit practical knowledge into the socialized professional knowledge of teachers". The teacher development information platform established in the network environment provides a platform for teachers' teaching, research, reflection, and other professional skills growth with its advantages of equality, interaction, and freedom from time and space, and creates an open and relaxed learning and communication. Growing up the atmosphere to help teachers reconstruct knowledge, develop individual potential, and overcome burnout. With the transformation of education and the continuous improvement of teachers' requirements, the traditional, top-down teacher professional development model can no longer meet the needs of teachers' professional development in the information age. In the network environment, the development of teachers' professional development activities requires a professional development platform for online teachers.

The rapid development and wide application of network technology have brought new opportunities and challenges to the development of teachers. The most important feature of an autonomous professional development teacher is autonomy, with intrinsic and positive professional development motivation, and the ability to constantly reflect and explore their own education and teaching practice, to stimulate their professional development. With the deepening of network research and study, teachers not only share and show their thoughts, feelings and understandings in work and life on the platform, but also can make use of the advantages of the network to break the boundaries between time and space, cross the differences between disciplines, and communicate with each other on the platform, realizing all-weather teaching and research without any distance. Teachers' professional development needs not only their own efforts and external help, but also the support of high-quality educational resources. Reserve of resources is an important support for teachers' professional development. With the development of modern information technology, network training has become a new form of education. It is the main means to build people's lifelong learning system in the era of knowledge economy.

3. Results

Education and scientific research is an important driving force for education reform and development. Teacher professional growth, education and scientific research is the forerunner. Using network resources, teachers can stay online and learn online through modern online educational technology devices and commonly used software. The network enables more teachers to ignite their work enthusiasm, release educational wisdom, enhance personality traits, enhance self-awareness and development motivation, and then actively participate in teaching work and self-development. By querying the information, we will learn about the latest developments in this major, so as to continuously update the teaching knowledge and improve the teaching level, and improve the overall quality of teachers. Teacher's professional development is a process of self-reflection, which requires teachers to critically examine their own teaching behavior and practice, find problems, find improvement countermeasures through analysis and research, and then carry out new practice of classroom teaching. The construction of teacher professional development network platform provides an ideal platform for teachers to reflect on their teaching practice. Due to the voluntary participation, no time and space restrictions, and avoid the face to face controversy scruscruousness and embarrassment, so the atmosphere is often relaxed, everyone speak freely, the depth of discussion and the breadth of participants are not traditional centralized academic research can match.

Teachers' professional development network platform is also conducive to the guidance of young

teachers in the practice of "cognitive apprenticeship" model. Network-based guidance is "high-yielding" and has various forms. It can take many ways, such as recommending teaching videos, jointly participating in network seminars with students, and reviewing and evaluating apprentices' teaching reflection. The greatest advantage of computer network is that it has abundant information resources. Teachers in independent learning, when confused, using Google and other search engines can get relevant information. However, there are also some problems in the development of teachers' autonomous profession under the network education platform. In terms of professional development, many teachers show passivity and place their development on external training. Even if there is development, it is only a spontaneous adaptation to external requirements and lacks the need and motivation for independent development. Computer network provides a lot of resources, should be said to be engaged in teaching and research for teachers to open up a new world, to create unique conditions. However, due to the poor computer operation ability of many teachers, when they want to use the computer to search information resources, they cannot find the required information.

As a teacher, we should strive to pursue lofty professional ethics, rich and profound professional knowledge, skilled professional skills and teaching ability. This kind of self-awareness is a powerful internal driving force to promote teachers' self-professional development. To give full play to the role of the platform in the development of teachers' independent professional development, we should proceed from the actual situation of teachers and focus on guidance. It is necessary to incorporate the teacher's computer operation level into the evaluation scope of the teacher's teaching ability, and link it with the teacher's title promotion and honor rating to improve the enthusiasm and motivation of the teacher.

4. Conclusions

To sum up, in the information society, the web-based teacher professional development platform provides a new teacher professional development model, which overcomes some practical difficulties in the traditional teacher on-the-job education, provides a feasible school-based teaching and research and communication platform, and becomes a beneficial supplement to the traditional teaching and research activities. The process of teacher professional development is not a process that can be achieved in a short period of time. As long as we have a correct understanding, make good use of various network platforms scientifically and effectively, and properly carry out learning and training, network platforms will surely become the booster of teachers' professional development. We need to strengthen the docking of educational information with the outside world, establish a wider network platform for teachers, further improve the conditions and mechanisms for teachers to participate in network research, and let our teachers achieve faster and more personalized professional development independently in the network platform.

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