

Research on the Innovative Path of Computer Basic Course Teaching under the Background of Big Data

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Abstract: In the context of the current era, computer literacy affects the level of human development to a certain extent, and for a country and an enterprise, the comprehensive computer level of the country and all its members determines the quality of the country's development. For this reason, relevant schools must think based on the needs of social development and the needs of the development of talents, and continue to innovate the teaching paths of basic computer courses to achieve the improvement of students' computer literacy. However, the current computer foundations in various colleges and universities at all levels in our country the analysis of the current teaching situation of the course still exists similar to the backwardness of the course teaching content, the single method, and the lack of scientific and comprehensive evaluation methods, which cannot provide sufficient assistance for the reform and development of basic computer courses. At the same time, the innovative path of computer basic course teaching under the background of the big data era has greater practical significance and theoretical value.

1. Introduction

The enrichment of teaching resources is one of the biggest opportunities ushered in the teaching of basic computer courses under the background of the era of big data. According to the analysis of the enrichment of the teaching resources of basic computer courses in the current network environment, the enrichment of the teaching resources of basic computer courses in my country is mainly manifested in the following aspects. First, the number of teaching resources is large. With the support of big data technology, more and more people are participating in the development and construction of teaching resources for basic computer courses, and sharing the teaching resources developed by themselves through the Internet, thus promoting the enrichment of teaching resources for basic computer courses. The construction of modernization allows teachers engaged in the course to have resources to use in the teaching process. Second, there are many types of teaching resources. In order to meet the individual needs of learners of different levels and interests, when constructing teaching resources for basic network computer courses, teaching resources are usually created for some special groups of people, except for teaching resources from the perspectives of text, pictures, and videos. In addition to the creation, people have also created the types of videos and the difficulty of teaching resources, looking forward to meeting the needs of different learners to the greatest extent [1]. Third, the new teaching resources. The era of big data has greatly shortened the distance between relevant professional practitioners and improved the possibility of communication with each other, so that the development of various professional courses can be adapted to the development of the profession itself. The same is true for basic computer courses. The multi-person participation teaching resource development model allows the teaching resources of basic computer courses to be updated with the development of the times. It can not only effectively improve the teaching effect of the course, but also fundamentally improve the teaching effectiveness of the course.

Under the influence of big data, teachers have also begun to notice the diversification of students' learning needs. In order to improve the teaching effect of the course to the greatest extent, some teachers of basic computer courses have begun to pay attention to the innovation of teaching methods, hoping to use more advanced and effective teaching methods to influence students and realize the improvement of teaching effectiveness. To a certain extent, it has also promoted the

diversified development of the teaching methods of basic computer courses. According to current related research and analysis, a variety of new teaching models such as micro-classes, MOOCs, and flipped classrooms have penetrated into the teaching of basic computer courses. Related teachers can also use micro-videos or micro-reading content to guide students. The improvement of the teaching effectiveness of basic computer courses has created conditions.

The advent of the era of big data has spawned many more valuable technologies, and the application of these technologies is an important way to reform the teaching of basic computer courses [2]. The traditional outcome evaluation method is unable to evaluate students scientifically and effectively because of its large one-sidedness. It not only prevents students from fully grasping their own learning situation, but also fails to allow teachers to associate teaching evaluation with classroom teaching. , If you want to improve the teaching effect of the course, there are greater difficulties. In the context of the big data era, the integration of various advanced technologies can create conditions for the innovation of teaching evaluation methods for basic computer courses. In addition to thinking from evaluation methods, relevant professional practitioners can also consider starting from evaluation indicators. Realize the reform of the teaching of basic computer courses.

The effectiveness of the teaching process is relative to the traditional teaching model. In traditional computer basic course teaching, teachers usually adopt indoctrinating teaching methods to improve the teaching effect of the courses. This teaching method not only fails to give students sufficient opportunities for thinking and practice, but also allows the entire course to be taught. The atmosphere is poor, and students cannot complete the digestion and absorption of the teaching content in the course. In the context of the era of big data, teachers can use modern means to improve the efficiency of course teaching, thereby saving time for students' thinking and effective communication between teachers and students, so that teachers can better guide students to achieve The improvement of course teaching effect [3].

2. Innovation of Teaching Methods of Basic Computer Courses under the Background of Big Data

The impact of the big data era on the teaching of basic computer courses is a comprehensive, multi-level and multi-angle change. In order to improve the teaching effect of the courses, teachers of basic computer courses should strengthen the teaching content, teaching methods and teaching methods of big data and basic computer courses. The fusion research of model and teaching evaluation realizes the reform and innovation of the teaching of basic computer courses.

2.1 Change Teaching Concepts and Innovate Teaching Methods

The teaching concept is the basis for a teacher to realize the course teaching. Only when the teacher has changed from the teaching concept, can the teaching method be changed from the foundation and the teaching effect of the course can be improved. Therefore, in the teaching of basic computer courses, teachers need to be timely Change the teaching concept and lay the foundation for the innovation of course teaching methods [4]. To this end, relevant teachers should make changes from the following perspectives. First, the importance of basic computer courses. The basic computer course itself does not belong to some professional courses. Some schools only use it as a course to improve the basics of students' computer. They do not give enough attention to the course. Some teachers are also affected by the general environment and gradually ignore it. The importance of basic computer courses has caused various advanced teaching theories, ideas, methods, and techniques to not be incorporated into the course teaching in time, and the teaching content cannot be updated in time. Therefore, relevant teachers should give top priority to the transformation of teaching concepts, first increase the importance of the course, and then complete the innovation and transformation of teaching methods. Second, the importance of the transformation of teaching methods for basic computer courses. Some teachers still confine themselves to the traditional teaching mode or a single teaching mode in the teaching of computer courses. The teaching process has formed a fixed teaching model, and the teaching methods are limited to a limited number of ways, which makes it difficult to provide necessary support for

students' learning and development. Therefore, in the teaching of basic computer courses, teachers should also pay more attention to the innovation of teaching methods, and promote the innovation of computer teaching methods by paying attention to the transformation of teaching methods, so as to lay the foundation for better training of students.

2.2 Emphasize the Main Body of Students and Enrich Teaching Content

Students are the subject of curriculum learning. This is the consensus of the current education and teaching industry. Therefore, when innovating the teaching path of basic computer courses, relevant teachers should pay attention to the subjectivity of student curriculum learning, and learn to think from the perspective of students. Review the basic computer courses and realize the reform of basic computer courses. Taking the enrichment of teaching content as an example, the background of the era of big data has greatly enriched the teaching resources of basic computer courses, and it provides teaching support for basic computer courses in terms of the number, type and update speed of teaching resources, but it is practical. In terms of computer basic course teaching, not all teaching resources meet the requirements of course teaching, and not all teaching resources can achieve the improvement of students' basic computer skills. In the process of realizing the integration, optimization and application of these teaching resources, teachers need to analyze from the perspective of students, fully taking into account the students' interest, learning level and other elements, and provide necessary support for students' learning and development.

2.3 Incorporating Modern Technology and Innovative Teaching Mode

Modern technology is an important way to innovate basic computer courses under the background of big data. Practitioners related to basic computer course teaching should think from the perspective of modern technology, complete the innovation of course teaching mode, and realize the improvement of course teaching effect and computer basic course classroom Extension of teaching. Taking the construction of online and offline hybrid teaching mode as an example, teachers can use the construction of online learning space to realize the enrichment of curriculum teaching resources, and build a new way for students to learn curriculum knowledge, so that students can learn curriculum knowledge independently. So as to realize the stimulation of students' learning enthusiasm and initiative, and the improvement of teaching effect. In order to enhance the value of online and offline hybrid teaching model construction, teachers only need to tell students what students need to learn, so that students can complete the learning of relevant course content after class. In the process of teaching in class, in addition to strengthening the use of various resources in the online learning space, teachers can also use abundant teaching time to innovate teaching methods, thereby enhancing the teaching effect of the course.

2.4 Pay Attention to Teaching Needs and Innovate Evaluation Methods

In order to effectively improve the teaching effect and quality of basic computer courses, practitioners related to basic computer courses should pay attention to the needs of students, and carry out innovations and innovations in the teaching methods, teaching modes, teaching content, and evaluation methods of the courses based on the learning needs of students. change. In terms of the guiding role of teaching evaluation to students, teachers can think from the following two points when completing the innovation of teaching evaluation methods. First, attach importance to the application of information technology and construct a dynamic teaching evaluation method. It is necessary to learn to use the advantages of big data to analyze the learning information of students in real time, to flexibly use dynamic teaching evaluation, to accurately grasp the learning situation and learning needs of students, and to make targeted adjustments in curriculum teaching to improve the curriculum The teaching effect. Second, attach importance to the integration of teaching theories and enrich the indicators of teaching evaluation. With the support of big data-related technologies, teachers can create teaching evaluation indicators from a variety of different perspectives, such as students' learning level, students' basic computer knowledge transfer ability, practical ability, and innovation ability. The angle guides the students and enhances the teaching effect of the course to the greatest extent. In order to enable big data-related technologies to bring substantial changes to

the teaching of basic computer courses, and to promote the reform and optimization of the courses, relevant teachers should based on their own information literacy improvement, starting from the above two perspectives, and implementing a two-pronged approach to realize basic computer courses. The scientific construction of the country.

3. Conclusion

Under the background of the era of big data, computer basic courses will usher in new developments. Relevant teachers do not need to limit themselves to traditional teaching models and methods in the course of teaching. They should strengthen their research in the era of big data and master various differences. And integrate it into the teaching of basic computer courses to promote the reform and innovation of basic computer courses in teaching content, teaching methods, teaching modes and evaluation methods, in order to improve the teaching of basic computer courses in various colleges and universities at all levels. Lay the foundation for the effect.

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