Research on Cultivation Strategies of Information Literacy of English Normal University Students from the Perspective of Big Data

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Abstract: With the continuous development of modern information technology, information literacy has become more and more the key content to evaluate the level of a person's comprehensive quality, and its influence on a person's work ability is also constantly strengthened. English, as a course with strong dependence on information resources, naturally has higher requirements on the information literacy level of human teachers. Combined with these understandings, the author will write an article on the cultivation strategy of Information literacy of English normal university students in the perspective of big data and put forward some opinions for your reference and analysis.

1. Introduction

No matter in which learning section, English classroom teaching information process is accelerating day by day, the development of various teaching links and the integration of educational resources are inseparable from the application of network and information technology. In the face of such objective development trend, as the base of training and transportation of English teachers, English teachers' major in colleges and universities must pay attention to the all-round cultivation of information literacy of students and help them master the ability of improving teaching work by using more information technology. However, it is undeniable that many English teachers do not have a good understanding of this aspect and do not design and implement a systematic implementation strategy, resulting in the information literacy of many English normal university students is still at a relatively low level. In the author's opinion, in order to truly solve this problem fundamentally, the majority of English teachers should start to carry out specific work reform from the following aspects:

2. Highlight the Application of Information Technology in Classroom Teaching

Effects are always the most persuasive words. College English teachers should actively highlight the application of information technology in daily classroom teaching, on the one hand, to highlight the great convenience brought by information technology to classroom teaching in every link, on the other hand, it can also provide specific guidance and demonstration for English normal university students to use information technology in classroom.

2.1 Using Information Technology to Carry out Scene Simulation Teaching

The classroom learning of English teachers major will inevitably involve the simulation teaching training, which is a compulsory course for all normal students. When carrying out the teaching and training in this aspect, English teachers can make use of the virtual scene construction function of information technology to present realistic classroom environment for students with pseudo-real scene resources and projection technology, and can introduce virtual scene interactive resources when conditions permit. In this way, normal university students can truly feel the powerful and magical effect of information technology, so as to stimulate their enthusiasm for learning information technology.

For example, when arranging normal university students for teacher-student interaction training, teachers can use VR projection equipment and resources downloaded from the Internet or recorded on the spot to restore one vivid "students" in the classroom, and can implant preset programs in the influence resources in advance so that "students" can interact with normal university students in class. In order to test the normal university students' emergency ability and basic skills of class control.

2.2 Using Information Technology to Introduce Network Teaching Resources

English is a comprehensive and interesting course. In the teaching classes for English normal university students, teachers usually have to use more extracurricular resources to lead them to expand their teaching horizons and professional knowledge thinking. To better achieve this effect and show the unique resources of information technology to obtain advantages, English teachers can use on the network to collect in the course of the interpretation on multivariate teaching resources, and to show specific access to and use of these resources, in order to let students feel the great convenience of information teaching.

For example, when explaining the making of mind mapping, teachers can randomly select some English course chapters from websites such as "Teacher's Home" and use software such as Power Point or "Love Clip" to make corresponding map guiding slides or video materials. In order to guide normal university students to understand the process of mind mapping and to know the acquisition and utilization of network resources.

2.3 Using Information Technology to Organize Remote Interactive Exchanges

The teaching of English courses emphasizes classroom communication, which is also one of the most important professional qualities of English normal university students. In normal organization communication training, college English teachers can use the remote information technology training across space, can let students and different cities, provinces and even the country's real the students practice communication, bring students more real activity experience at the same time, further highlights in limited space information technology breakthroughs of outstanding value.

In order to improve students' spoken English, for example, teachers can take contact in advance under the premise of using the interactive whiteboard in the classroom and overseas English language classroom based real-time communications, guide the students according to the theme of class at the other end of the children to develop oral communication and network, and can use normal professional knowledge to organize a "class" teaching.

3. Improve the Cultivation Conditions of Information Literacy

The smooth development of any teaching work is inseparable from the guarantee of complete

material conditions. Therefore, college administrators and English teachers should invest more material and financial support in the cultivation of information literacy of English normal university students, so that they can obtain more convenient and rich conditions for information technology learning, application and optimization, so as to guarantee the achievement of a series of education and guidance work.

3.1 Improving Information Technology Teaching Conditions

As the application of information technology is expanding, almost all colleges and universities set up information technology teaching courses, which has become the main platform to cultivate students' information literacy. Therefore, universities should information technology teaching conditions optimization for for English teachers and work with a high degree of attention, the reservation number and network conditions, equipment type set high standards and adapt to the construction, operating cash, so that the normal students can master more information application technology in the classroom.

For example, college administrators should combine the number of English normal major students, according to the standard of "one person one machine" to make up the number of student machines in the computer room, and repair the equipment with functional deficiency. At the same time, to add at least one projector, electronic display board and other normal university students in the future work often used information equipment, used to facilitate information technology teachers targeted application teaching; And so on.

3.2 Improve the Information Teaching Conditions of Professional Courses

As the author mentioned above, English teachers should highlight the application of information technology in classroom teaching, but the practice of this measure must be based on the corresponding equipment conditions. In the construction of colleges and universities and the safeguard, therefore, English teachers' professional the classroom also want to consider this aspect demand, in the information teaching equipment, performance, and the kinds of logistics service, etc, to provide more security, English teachers' classroom teaching is both easy to use, also can cause more English teachers realize "information class" of great application value.

Managers in colleges and universities, for example, can be a lot of speculation, back in the classroom projectors and recording devices such as unified laid off, replacement for the interactive electronic whiteboard with comprehensive functions, and to form a complete set of switches and fiber accordingly upgrade, at the same time also can according to their own conditions and teaching holographic video cameras and AI will be required to have more sense of "science and technology" of the equipment.

3.3 Perfect Information Self-Study Conditions for Normal University Students

As college students, English normal university students have a lot of spare time and a relatively huge demand for self-study, which makes them inevitably carry out frequent self-study after class. In view of this fact, the administrators of colleges and universities should make sufficient efforts to ensure the information self-learning conditions of English normal university students, comprehensively optimize their public Internet access environment, increase the number of shared information equipment, and make more loose adjustments in the opening time and use restrictions of the school computer room.

For example, college administrators can set up wireless network signal transmitters in English normal university students' apartments according to the standard of "2 units per floor", increase the

unit megabytes of optical fiber access in each dormitory and reduce the network charge, extend the daily opening time of the school computer room and appropriately reduce the network access restriction standard, etc.

4. Integrate More Information Technology Elements into the Course Teaching

Although there is specialization, the course teaching of a major should reflect a certain comprehensiveness, so as to achieve diversified teaching results. Therefore, in the process of professional teaching, college English teachers should also infiltrate certain information technology teaching according to the course content and students' knowledge reserve, and optimize the cognitive reserve of English normal university students at the level of theoretical knowledge and technical knowledge.

4.1 Integrate Information Technology Knowledge with Teaching Theme

The figure of information technology is reflected in many English teaching materials, and these contents are bound to belong to the study category of English teachers' classes. College English teachers can consciously increase the proportion of information technology knowledge in the thematic teaching classes involving these contents, so as to comprehensively optimize the all-round literacy of normal university students. In the process of this work, teachers should first reflect the content of professional knowledge, and pay attention to the relevance of professional knowledge to information technology knowledge, to avoid normal university students feel too strong sense of abruptiveness.

For example, for the teaching guidance of the unit "Internet" in the learning section of the lower grade of primary school, the teacher can lead the normal university students to complete the teaching process, and make supplementary introduction to the knowledge and operation of long-distance information transmission involved in the content such as "See you on the Internet" in the text. And can be combined with some specific teaching activities to do further application.

4.2 Integrating Information Technology Knowledge into Teaching Activities

In addition to learning how to teach in class, English normal university students also need to develop a deep understanding of teaching business activities such as lesson preparation, learning situation analysis and examination organization, and the latter can become a good platform for teachers to infiltrate information technology knowledge content. In guiding students to learn English these aspects of content, normal teachers can guide they try to use the multimedia technology and network information resources to obtain materials, integration of data and establish electronic question bank, in the process to help or to promote English teachers consciously on the understanding of information technology and use, thereby objectively to achieve goals to improve their information literacy.

Such as the arrangement of students learning information provided by the teachers and the teaching content design examination examination paper, normal teacher can encourage them to search from the Internet and download the material question bank, and then using big data software to individual integration of preset learning, finally, will integrate the entry to the combination of material test items, test the direction and difficulty in the entry, So as to achieve fast, targeted volume group.

4.3 Integrate Information Technology Knowledge with Homework Assignment

It is a basic part of teaching to assign homework according to different teaching contents, which also gives English teachers a channel to promote English normal university students to improve their information literacy. When designing work, English teachers should take the lead in tend to decorate some need with the help of information technology to complete tasks, and encourage students to use network resources and information software to complete assignments, and then with the help of the Internet channel online submission, so that English teachers in the process of completing the task to learn spontaneously and apply the information technology.

For example, teachers can ask normal university students to make an electronic teaching plan and corresponding courseware according to the sections and chapters taught in class, and can make specific requirements on the type of software used, the content and length of teaching plan, courseware, and require students to submit it in the form of group documents or E-mail attachments.

5. Optimize Their Information Technology Literacy

Teachers are always the "wind vane" of students' growth and development, which itself is a textbook of activities. Based on this basic understanding, college English teachers should not only guide students to improve their information literacy, but also pay more attention to the overall optimization of their information technology knowledge reserve and technology application, so as to set a good example for the growth of students in this aspect.

5.1 Improve the Level of Information Technology Application

English teachers in addition to in-depth study of English and teachers' professional work, also use spare time to further develop self-study information technology, special attention to and study the latest application of information technology teaching the use of the equipment, software and application direction, as well as to raise its information literacy for English teachers have good writings or application software to do recommendations in a timely manner.

Normal, for example, teachers can make use of their spare time reading the middle school English teaching program of software applications, or similar books, of which involved in simple language programming software to do in-depth study and practice, and at the same time in the classroom teaching practice results showed normal, providing rich information technology itself.

5.2 Strengthen Their Own Awareness of Information Technology Teaching

English teachers should establish the idea of "keeping pace with The Times", make more use of information technology to complete various tasks in classroom teaching and other daily work, gradually guide English normal university students to rely on traditional teaching tools and thinking, and at the same time do more awareness and knowledge penetration in after-class communication with normal university students. Thus to normal university students' learning and development of thinking to play a subtle effect.

Normal, for example, teachers should be more in the form of electronic courseware to reflect the teaching content and links, and homework assignments and practical task in the design reflect the online platform, the remote technology, and flexible use of big data software, at the same time can be reflected in the major-course examination in appropriate to investigate the students' information literacy in focus.

6. Conclusion

"Keeping pace with The Times" is the essence of education, which is also the fundamental reason why education can become an enduring undertaking. College English teachers' professional teachers to really realize it, to the cultivation of students' information literacy and improve work to put more attention and thinking, by highlighting the teaching application of information technology, improve the information literacy cultivation condition, into more information technology in teaching of elements and the methods of optimizing their own information technology literacy, Real English teachers to realize the information technology in today's education has an important value and position, and guides them to quickly grasp and flexible use of various information technology teaching means, teaching to improve students' informatization level, thus for their future work and comprehensive business literacy of ascension to lay the solid foundation.

References

[1] Wang Mubo, Fang Xianyu. *On the Significance and Specific Implementation Strategies of Improving Information Technology Literacy of English Normal University Students under the Background of "Internet +" [D]. Fujian Normal University, 2012.*

[2] Xiao Yongfeng, Chen Juezhi. *Advancing with The Times and Promoting Education through Science and Technology -- On How to Integrate more information-based teaching resources in the Training of Normal University students [D]. Heilongjiang Normal University, 2017.*