Research on the Development Strategy of College English Teachers' Information Literacy under the Background of Education Informatization

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Abstract: under the background of educational informationization, college English teachers' information literacy should be implemented in college English teaching, which should include keen awareness of information judgment, higher information processing skills and the concept of efficient integration of information and the subject. College English teaching mode supported by modern information technology has become an inevitable trend. A large amount of investment in "hardware" and the optimization of "software" have provided abundant material resources for network English teaching, making these hardware and software resources give full play to the efficiency and promote the organic integration of English curriculum and modern network technology[1-5]. Based on the background of education informationization, this paper studies the training methods of teachers' information literacy in college English teaching, aiming at adapting to the development of The Times and carrying out better teaching.

1. Introduction

English education informatization policy refers to the combination system of English policy and education informatization policy, which is the main way to constitute a country's English ability and information education ability. Among them, English education informatization policy is the main body, among which English education informatization has a direct relationship with English education and education informatization, which can drive its development to some extent.

1.1 Connotation of English Education

As shown in figure 1, from the perspective of learners, English education forms a learning ecology. It is constrained by a combination of political, social and educational factors. As shown in figure 2, it can be seen that political and social factors play a restrictive role in English education, while various factors are also interrelated, changing and influencing each other. In this dynamic development process, education policy and language policy, as part of the national macro-strategic system, play a role of connecting link in English teaching.
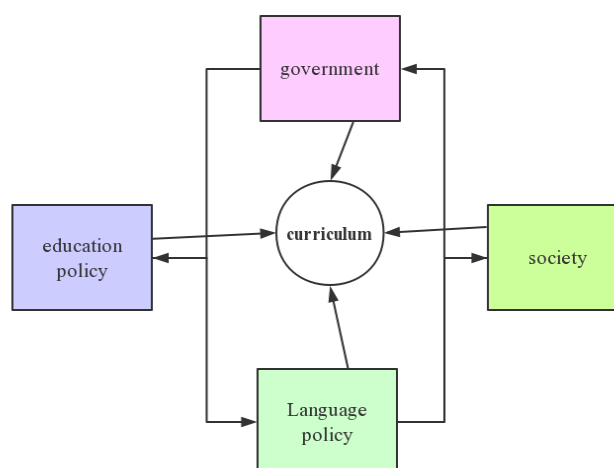

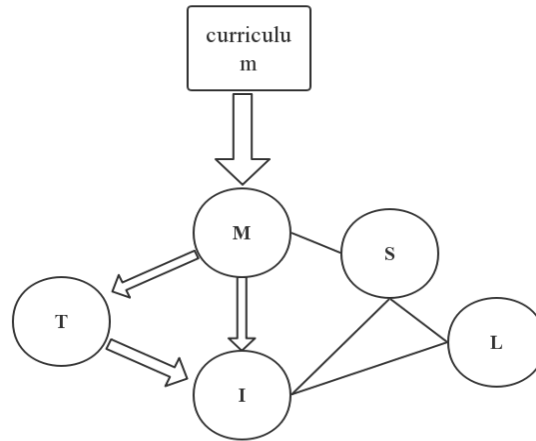Fig.1 Ecological Map of English Education and Learning

Fig.2 Study Ecology of English Courses

1.2 Informationization Development of English Education

The infrastructure construction and development of college English education informatization are the foundation and premise of the development of education informatization. Therefore, in the initial stage, the country attaches great importance to the construction, sharing and unification of educational informationization resources, and has invested a lot of funds in its resource construction. It is reflected in the emphasis on hardware construction, from the development of computers for schools to the full use of the original audio-visual equipment on the basis of actively explore and develop computer-aided teaching. In terms of soft environment, the development of school broadband network to the implementation of computer-aided teaching, the upgrading of campus network and the opening of remote network platform have become a reality, which greatly facilitates teaching, improves the intuitiveness, stereoscopic nature of teaching and the interaction between teachers and students, and provides an environment for students to carry out independent learning. As shown in figure 3, after a round of large-scale hardware investment in China's education informatization, production capacity has entered a plateau period. In the past, commemorative information technology has developed to the stage of cloud platform and Internet of things. Cloud technology has brought hope and opportunities to these problems.
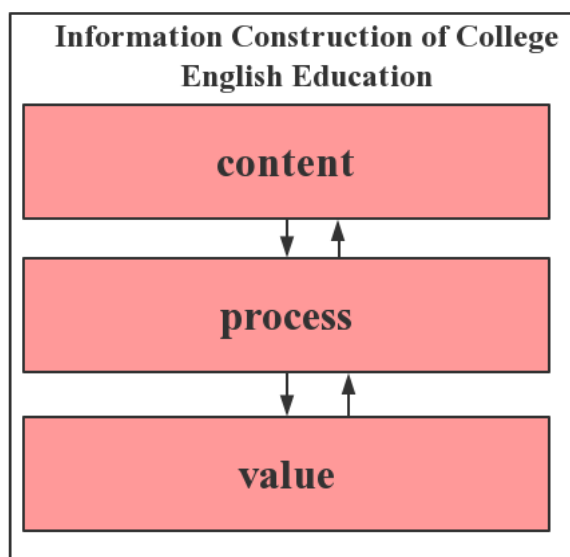

Fig.3 Composition of College English Education Information Construction

2. Connotation and Development of College English Teachers' Information Literacy

2.1 Connotation of Information Literacy

Information literacy refers to the ability and method to solve problems through a large amount of information and main information sources. In layman's terms, it is the technology and skill of using information technology to solve problems when people want to solve problems. Among them, information system can embody the value of information literacy, can obtain information through the best channels, and can store information in a better way. Nowadays, information systems are more widely used in today's society. Functions such as database, spreadsheet and word processing can greatly improve people's information literacy. At present, there is no standard definition of the concept of information literacy at home and abroad. The definition of mature science is: in the society with a variety of information cross-penetration and highly developed technology, people should have the practical skills needed for information processing to screen, identify and use information. As shown in figure 4, the information literacy of the elements in the information literacy diagram is now mostly reflected in the information teaching resources, which can support the deep reform of teaching methods.[6]
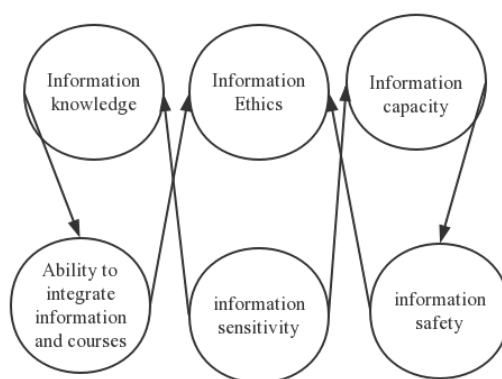

Fig.4 Information Literacy with Element Map

2.2 Analysis on the Development of College English Teachers' Information Literacy

English education informatization policy is a dynamic policy analysis system, which can provide a good way of thinking and analysis for the comprehensive analysis and research of English education informatization policy. Theoretical framework based on the development of English education informatization policy, as shown in table 1, the college English education informationization development policy, according to the degree of integration of classroom teaching and the development of technology, is roughly divided into the following four stages to analysis, the modern times and modern Chinese policy of college English education informatization development, the computer aided stage of college English education reform in our country, the computer integration stage of college English education reform in our country, the college English education informatization development of the era of large data.

Table 1 College English Information Literacy Process

	College English Information Literacy Process		
influencing factor	Policy context	Policy status and motivation	Policymakers'interests and analysis
Impact results	Policy decisions	Policy implementation	Assessment and Adjustment

3. The Training Program of College English Teachers' Information Literacy

In English teaching, concept updating is more important than teaching equipment updating. Changing traditional ideas is the foundation and key of training teachers' information literacy. So,

improve the college English teachers' information ability education technology, the first thing to make teachers realize that to improve their information quality on thought of the importance, urgency and the sense of responsibility, can consciously and actively to strengthen the study and practice, constantly improve their knowledge, to master and innovation to apply information technology to the ability of language teaching. The specific process is shown in figure 5. The process of cultivating college English teachers' information literacy is shown in figure 5.
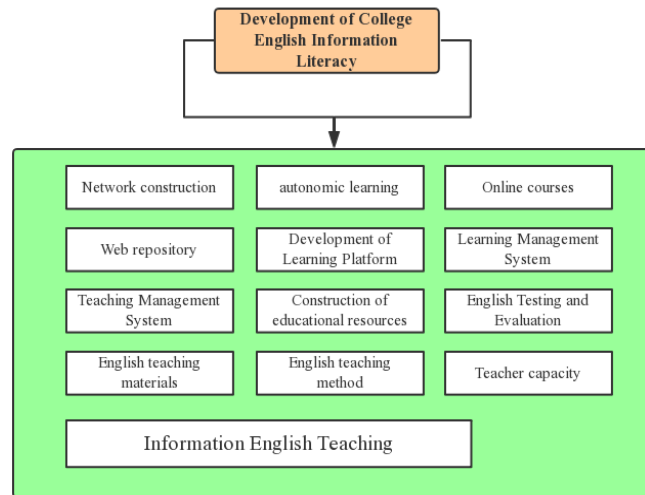

Fig.5 College English Information Literacy Content Chart

3.1 Adapt to the Characteristics of the Times and Flexibly Use Information Technology

As shown in figure 6, teachers can make full use of their information technology and subject knowledge, combine with rich network information, assign homework to students after class to consolidate classroom learning, and complete homework correction and evaluation quickly and timely through the information platform, so that students are deeply impressed by their own shortcomings. Teachers can also use their own information skills to test students' learning results, and use relevant software to turn the previous stiff vocabulary and grammar tests into tests with pictures and pictures, so that students will no longer take the test as a fear and resistance task. Teachers can also actively interact and communicate with students through the Internet platform [7]. Teachers can initiate discussions, share information and answer questions according to the actual situation, so that students can complete the transformation from being afraid to speak English to being able to communicate with others and to actively using English.
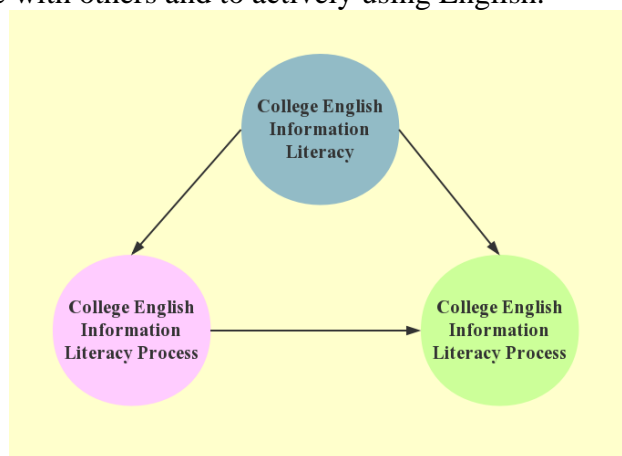

Fig.6 Information Literacy Development of College English Teachers

3.2 Improve Information Processing Ability

Information processing ability is one of the indispensable abilities in college English network

teaching, and information processing technology is the most important part of information processing ability. The level of information processing technology directly affects the quality of online college English teaching. The basic information technology applied in college English informationization teaching mainly includes the processing technology of text, picture, audio and video files, among which it is required to master the routine operation of common office software and be proficient in the operation and processing of audio and video files. As shown in figure 7, teachers can use online textbooks to learn the application of relevant software, such as editing and synthesizing audio and video files. Slide is the most widely used in the process of network teaching, making, using the skills of slide is also particularly important. On the one hand, due to the low level of teachers' whole slide production, deal with school or college teachers training of basic knowledge, maintain an equipment relatively complete work environment, through the powerpoint courseware competition, arouse the enthusiasm of teachers' independent making courseware. To stimulate teachers promote update better production techniques.
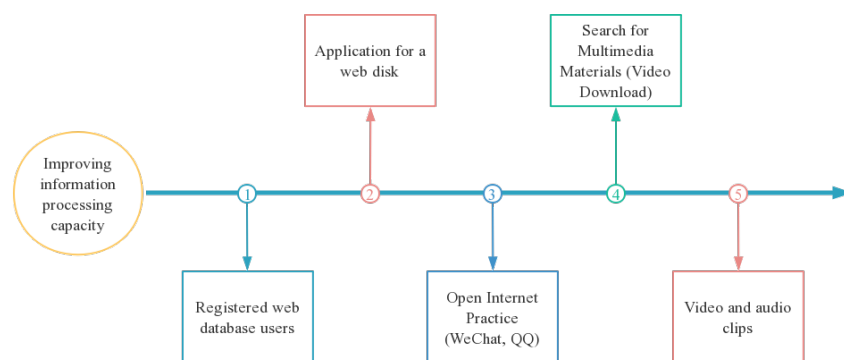

Fig.7 Process Diagram for Improving Teachers'information Processing Capacity

Conclusion: with the continuous development of education in our country, teachers' professional quality and teaching ability have become an important means to measure whether teachers have long-term educational vitality. In the era of education information, teaching methods and concepts are facing rapid innovation, college English teachers should constantly recognize their own shortcomings, actively through the Internet to make up for the lack of educational capacity. Under the background of education informationization, the research on the improvement of college English teachers' teaching ability is of distinct theoretical significance.

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