Research on SPOC Teaching Mode in College English Listening and Speaking Teaching

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Abstract

With the continuous acceleration of informatization, it is inevitable to use modern information technology to serve English classroom teaching. SPOC teaching mode is a new teaching mode, which is supported by information technology and guided by constructivism. Its own characteristics and advantages compared with the traditional teaching mode have caused a great uproar in the educational circles of our country, which has been favored and valued by all parties. SPOC+ flip classroom teaching mode not only conforms to the characteristics of college English, but also contributes to the improvement of students' autonomous learning ability. As a brand-new teaching mode derived from MOOC online teaching platform, SPOC teaching mode is more effective and convenient in practical application. The purpose of this paper is to explore how to construct college English ecological classroom through the new perspective of educational ecology, using SPOC and flip classroom teaching models. Under the guidance of SPOC, this paper explores the "school-based" teaching mode of English listening and speaking courses.

Keywords

SPOC; Flipped classroom; English listening and speaking course.

1. Introduction

With the continuous development of computer network technology, the Internet and new media technology have achieved good application in many fields. Combining it with teaching is conducive to the improvement of teaching level and teaching quality [1]. Nowadays, China has become increasingly on the international stage. With the increasingly frequent international exchanges, as an international language, the role of English has become more and more important, and the listening and speaking ability of English is in the primary position in the process of social communication, so the teaching of College English listening and speaking is becoming more and more important [2]. With the development of science and technology, the teaching mode also needs to be constantly changed, in order to break through the bottleneck period faced by the current college English listening and speaking teaching mode, show the principle and essence of language learning, and truly achieve the unity of classroom and extracurricular teaching [3]. SPOC is the product of the combination of information technology and education. In the teaching process, teachers can design English listening and speaking courses based on SPOC, so as to effectively improve students' learning ability. SPOC teaching mode is a new teaching mode, which subverts the traditional teaching concept and teaching means [4]. The high development of China's information industry and the urgent change for itself have become a good opportunity for this teaching mode to enter our country. This teaching mode can effectively break through the current difficulties faced by College English, make college students re interest in College English and improve their English level [5].

According to the theory of educational ecology, English classroom is regarded as a dynamic micro education ecosystem. Ecological factors include teaching elements such as teachers,
students and classroom environment. Whether the elements can coexist harmoniously and develop harmoniously will directly affect the whole operation of English teaching ecosystem [6]. SPOC course mode brings more convenient and suitable online teaching mode for higher education, which not only becomes the model of online course in "post MOOC era", but also promotes the innovation of traditional classroom teaching in Colleges and universities in China. Under the background of information age, dogmatic and static traditional college English listening and speaking teaching mode can not meet the personalized learning needs of students at different levels. Therefore, it has become the only way for English teaching reform in the new era to make full use of information technology to serve foreign language teaching [7]. SPOC online course integrates the teaching mode of "flipped classroom", which combines the advantages of online teaching and flipped classroom, and will have a profound impact on foreign language teaching concept, teaching content and teaching methods. SPOC teaching mode, as a new teaching mode derived from MOOC online teaching platform, is more effective and convenient in the practical application process [8]. The purpose of this paper is to explore how to use the new ecological classroom teaching mode in College English teaching from the perspective of ecology. Under the guidance of SPOC, the school-based teaching mode of English listening and speaking course is explored and practiced.

2. The feasibility of SPOC flipped teaching in College English

English is to learn another language and culture, for language learning, communication is the first, so we need to pay special attention to the cultivation of listening and speaking. SPOC teaching model is based on constructivism, humanism and teaching system, and takes situational, autonomous and holistic as the construction principles. Students’ mastery of listening and speaking is based on basic knowledge, vocabulary, grammar knowledge and reading comprehension ability. To master and skillfully use these knowledge needs to be carried out in a good teaching and language environment. The overall structure of SPOC teaching mode of College English needs to rely on the abundant curriculum resources in the University, and organically integrate online and offline courses [9]. Therefore, the overall structure of SPOC classroom mainly includes online teaching and offline teaching. The frequent enrollment expansion of colleges and universities leads to the shortage of teachers. College English in many schools has to adopt large class teaching mode, which makes teachers unable to implement the individualized teaching concept of "teaching students in accordance with their aptitude" and "individual differences". In the classroom, students have to face a lot of content, so there is not enough time to practice. Teachers are also busy in teaching knowledge to students in limited time, and will not leave too much time for students. Even if students have the opportunity to speak English independently, they will not get good results because of their timidity and nervousness.

SPOC teaching mode teaching mode can effectively reduce the theoretical knowledge teaching time of teachers in the classroom, leave more learning activity time for students, and provide more space for students' autonomous learning. Offline teaching requires teachers to grasp the limited classroom time, solve the problems in students’ online learning, strengthen students’ practical ability and promote students’ practical ability. Teachers are the absolute leader in the traditional classroom. They control knowledge and are the core of the classroom. This leads to teachers in a dominant position, students in a subordinate position, but the relationship between the two should be equal, which has resulted in students' thinking mode being constrained, innovation ability and debate consciousness being suppressed [10]. The online way optimizes the traditional classroom teaching, integrates the entity classroom and the online classroom, realizes the perfect connection between the online and offline, thus changing the current situation of the traditional classroom teaching. The choice of English teaching
materials is the key factor to decide whether English class can be taught well. However, the contents of textbooks used by some colleges and universities are outdated. Some schools only choose textbooks according to the examination syllabus because of the passing rate of grade examination in teaching evaluation. As a result, College English Listening and speaking teaching is limited to exam oriented education, and students’ comprehensive ability and practical ability can not be improved [11]. College English listening and speaking teaching under the ecological mode should pay attention to the integrity and relevance of the teaching content. In addition to imparting basic knowledge, it should also combine the eastern and Western cultural education, so as to integrate the knowledge dissemination and cultural expansion, so as to highlight the unique charm of ecological teaching. To some extent, SPOC is a new personalized mixed teaching mode to promote the development of open education. The relationship between teachers and students began to change, the interaction between teachers and students began to increase, so that students have the opportunity to communicate with teachers and cultivate the friendship between teachers and students. In the practical application process, SPOC teaching mode will control the scale of students on the basis of clearly selected courses, add restrictive access conditions, and effectively relieve the pressure caused by excessive classroom teaching capacity in College English classroom.

3. Application of SPOC Teaching Mode in College English Listening and Speaking Teaching

3.1. Improve the Information Technology Level of Teachers and Students

With the development of science and technology, computers and networks have gradually entered people's lives, and they have also been applied in all aspects. Education is deeply affected by this, and SPOC teaching mode is based on this. Flipping classroom is a kind of teaching mode that turns over the traditional learning process. It is a new teaching mode constructed by means of educational informationization, through the reverse arrangement of knowledge transfer and knowledge internalization, the transformation of teachers' and students' roles in traditional teaching and the re-planning of classroom time use. Colleges and universities basically have a network platform for students' self-study. On this basis, SPOC platform can be built, and curriculum resources, exercises, tests and discussions can be planned and set up as a whole.

To carry out the reverse classroom teaching mode of college English based on SPOC concept, it is necessary to strengthen the application of information teaching methods in teaching, accelerate the integration of traditional classroom teaching mode of college English and online learning mode of SPOC, and actively innovate the teaching structure of listening and speaking of college English. English teachers should cooperate with listening teachers and reading teachers, combine the teaching objectives of college English listening and speaking, complete the production of teaching videos, and upload the produced videos to the network platform of the school. Figure 1 shows the manual detection procedure of information teaching course.

The rational use of the platform can help teachers better understand students' learning process, interact with each other, answer questions for students in a timely manner, conduct evaluation feedback and experience sharing, and analyze teaching effects. Therefore, the rational use of SPOC platform is of positive significance to achieve the established teaching objectives and achieve the expected teaching effect. Under the flip classroom mode, teachers integrate teaching materials with network resources before class, and publish them online for students to learn independently. Students can freely control the learning time and repeat the learning process. During the learning process, you can discuss and communicate with teachers and classmates online. Teachers analyze according to learning data and feedback, and provide feasible guidance for subsequent classroom activities and adjustment of teaching content.
3.2. Integrating Network Resources

The SPOC teaching model is a change to the traditional classroom, and teachers are no longer the main body in the classroom. Therefore, college English teachers must accept the change of "students as the center of the classroom". In online autonomous learning, students can communicate and discuss at any time, and teachers can better monitor students' learning situation and find and solve corresponding problems. At the same time, teachers collect statistical data of students' learning on SPOC platform, analyze the situation of autonomous learning before class, answer students' problems in the learning process, and design effective expanded content for better classroom teaching. The traditional curriculum arrangement is carried out step by step according to the syllabus, teaching materials and school teaching arrangements, without considering the actual needs of students, such as the needs of examination skills, pronunciation improvement and cross-cultural communication [12]. Therefore, based on the concept of SPOC, students can also participate in the course content planning and the organization of extracurricular activities without violating the syllabus and school teaching arrangements. Language carries culture, and it is also an important part of culture. The humanity of language requires that language training should pay attention to people's comprehensive quality training and all-round development. After class, students sort out and summarize the knowledge in class, and share their learning gains and learning experiences in the Q&A discussion area of SPOC platform to further deepen their understanding of knowledge.

SPOC flip teaching not only changes the classroom structure, but also has an impact on students. When watching teaching videos, everyone will ask different questions, and the learning progress and learning effect are also different. Therefore, teachers must play the role of a guide, master each student's learning situation and learning ability, and train different students differently. College students' effective English learning is the basic demand for their English ability development and application. SPOC teaching mode not only brings diversified and personalized learning resources to students, but also gives students convenient learning methods and convenient learning time and space. From the perspective of learning style, the flipped college English classroom teaching mode supported by SPOC has changed the traditional single learning mode based on textbooks. Using SPOC learning can promote students' mobile autonomous learning, make students' learning time and space more free, and facilitate students' mobile learning in fragmented time outside the classroom, thus extending classroom learning to extracurricular activities. After the implementation of the first stage of English listening and speaking learning supported by new media, it is necessary to carry out stage tests. The main content of the test is the three modules learned in this stage. The test
results can be used as the basis for evaluating the students’ learning effect in this stage, and also as the basis for adjusting the strategies in the second stage. The test results are shown in Figure 2.

**Figure 2.** Comparison of listening, vocabulary, and writing scores in written tests

Individual explanatory power data from three dimensions of effective learning environment show that both learning behavior and situational support have significant explanatory power on learning effect. However, the data show that the interpersonal support coefficient is not significant. As shown in Table 1.

<table>
<thead>
<tr>
<th></th>
<th>Constant</th>
<th>Standard error</th>
<th>Standard coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning behavior</td>
<td>1.21</td>
<td>0.479</td>
<td>0.479</td>
</tr>
<tr>
<td>Interpersonal support</td>
<td>0.75</td>
<td>0.068</td>
<td>0.068</td>
</tr>
<tr>
<td>Scenario support</td>
<td>0.22</td>
<td>0.111</td>
<td>0.111</td>
</tr>
<tr>
<td>Learning effect</td>
<td>0.24</td>
<td>0.069</td>
<td>0.069</td>
</tr>
</tbody>
</table>

The application of college English SPOC teaching mode should ensure that the teaching content can keep pace with the times. Therefore, teachers need to make clever use of the flipped classroom to promote the development of English teaching content to be practical. Teachers should take the cultivation of students’ autonomy as one of the teaching contents, and give students time and space to study independently. Compared with traditional learning methods, online learning in online learning centers is more conducive to the interaction between students. The SPOC-based blended English listening and speaking course teaching mode puts forward the learning requirements for students, and urges them to use the English online learning center established by the school to study listening and speaking courses [13]. SPOC platform provides students with the opportunity to display their learning achievements, and provides great power for students to gain a sense of accomplishment in English learning and enhance their motivation in English learning. In the process of completing the learning task, students can experience the English application problems that are easy to appear in the society, realize the methods and processes of solving problems in the real context, understand the importance of teamwork, and gradually strengthen the construction of their English application ability under the guidance of teachers. At the end of teaching, teachers should collect students’
feedback and suggestions in time, analyze students' overall learning situation and understand students' learning needs.

4. Conclusions

The flip college English classroom teaching mode supported by SPOC gradually changes the teaching from static to dynamic, which accords with the teaching philosophy of teacher-oriented and student-centered. In this teaching mode, the communication and interaction between students and teachers are more frequent, and the restrictions of time and space on learning are broken, which is conducive to the improvement of students' learning ability. In the era of "Internet+Education", English teachers should adjust their roles in time, update their teaching concepts, learn and adopt modern teaching models, and construct English ecological classroom under the information background. The construction of SPOC teaching mode can effectively improve students' learning ability and awareness, and make students make effective use of what they have learned in college English class, so that they can communicate in English in society. College English SPOC+ Flip Classroom has changed the traditional collective teaching mode, which is also different from the ordinary network massive open online course. It can adapt to different students' needs for English learning and highlight individual characteristics. Although there are many challenges in the application of SPOC in English listening and speaking classes, its advantages are obvious, and it will be widely used in the new round of English teaching reform.

Acknowledgments

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References


