The Application Research of 5E Teaching Model into the Blended English Reading Teaching of Chuxiong Medical College

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Abstract: The 5E model is a mode is based on constructivism, emphasizing student-centeredness. The 5E model into the blended teaching classroom and the "wisdom tree learning platform was used and Xuexitong mini- program was used " to deepen the reform of English- teaching of Chuxiong medical college, and effectively guide students to learn to think, analyze, evaluate and apply so as to improve students' ability to learn higher-order thinking and the ability to apply English practically.

Keywords: 5E mode; Blended teaching; College English; Teaching reform

1. Blended teaching and 5E teaching mode

The emergence of blended learning is an efficient teaching method which organically integrates face-to-face teaching methods and online learning methods after people's reflection on online learning. (Likedong, 2008)

5E teaching model is a teaching mode dedicated to stimulating students' interest in learning, emphasizing that students could take the initiative to construct knowledge, and teachers lead students to actively carry out group cooperation and practice in the learning process, which was listed in the Teacher's Book of the American Science Curriculum Improvement Research (Tanner, 2010).

2. Applying the 5 E mode into blended reading teaching

2.1 Survey

It was found that students did not have a strong sense of independent learning, low enthusiasm for classroom participation, and lack of language output practice and teachers were not satisfied with traditional teaching methods and effects.

2.2 Application

The 5E model is introduced into the hybrid teaching classroom, and a new foreign language teaching mode is continuously constructed. The students are guided to actively participate in online learning, in-class group learning, and cooperative application and extracurricular practical output, and enabling students to become the masters of knowledge. Hence, "where did your money go? " of unit 3 of book 1 in Advanced new –skill – English was used as the target material.

2.2.1 Teaching design

5-E mode will be imbedded into blended teaching mode.

engagement: Pre-class stimulation + in-class stimulation: Preparing on the online wisdom tree platform pre-class to Complete cooperative tasks and survey tasks, the task is to confirm students' prior knowledge, identify knowledge gaps, and stimulate students' interest in inquiry.

exploration: "exploration " is the core link in 5E teaching, and students go directly to "practice" and participate in activities. The teacher's main job is to provide guidance and assistance, not to provide answers directly. Students can use the learning materials to practice exploring and record ing ideas; Group work is also a great way for students to interact with each other and stimulate the spark of thinking.

explanation: The "explain" links allows students to demonstrate the results of the "exploring" links and to try to express their understanding of the new problem, and then the teacher gives standardized terms based on the student's explanation to explain the new question raised at the beginning. Give students the opportunity to express themselves through group presentations, group discussions, etc.

elaboration: To deepen understanding of new knowledge and truly apply what they have learned, the links allows students to use what they have just learned to solve a "new problem"

evaluation: This link can also have self-evaluation, mutual evaluation, and other ways. The main purpose of the "assessment" is to see whether the student has fully grasped the newly learned knowledge, which helps to adjust the teaching strategy later. (table 1-2)

Table 1 peer assessment criteria

Formative Assessment:	Croup 1	Croup 2	Group 3
Scoring items	Content	1. The selected presentation is closely related to the problem 2. Highlight the key content of the expression 3. Show the content logically	4-5 points very good 3 points good 2 points ordinary
	Language expression	1. Language accuracy, clear pronunciation, loud voice, pronunciation accuracy 2. Expression is natural, smooth and accurate	4-5 points very good 3 points good 2 points ordinary
	Comprehensive impression	Apply appropriate postures, gestures, and behave appropriately	4-5 points very good 3 points good 2 points ordinary

Table 2 specific links of 5 steps

Students'activities		Teachers'activities
1. (pre-class)Complete the task to prepare for display 2. (pre-class).Students watch and discuss.	Engaging	1. (pre-class)Release tasks through the wisdom tree teaching platform: students prepare to interview students in their school and make videos to upload to the platform, and teachers select excellent works to share and display in class 2. (in-class)show the mini-class about Sushi
Watch and discuss		Screening excellent videos and PPT
Discuss and Answer by group leader	Exploring	Task: Work in small groups to quickly read the article in the28th page to find ways to figure out how to budget by reading
Ask the S to present their exploration and show us and explain	explaining	The teacher could have a supplementary explanation.
Upload their sheet on the wisdom platform	Elaborating	Make a spending plan for June, list all you want, pick out what you need, erase what you don't need, or find alternatives to meet your own want which is really dears.
1. Upload2-3-minute's video about how to budget your spending in June? 2. Give scores of their own and their peers'based on the guide	evaluating	1. make formative assessment based on the students' performance. 2. Show the students how to assess their own performance and their peer assessment 3. Reflection

3. Teaching effect

The blended teaching model based on the 5E model realizes student-centered, according to their actual level and needs, students can carry out personalized learning, and students' reading literacy can be truly improved. This model can enhance students' self-confidence, sense of honor and collective responsibility, deepen understanding among classmates, exercise their ability to collaborate, and encourage students to participate in blended learning.(table 3-6)

Table 3 m After studying this course group, I am no longer afraid to read English articles
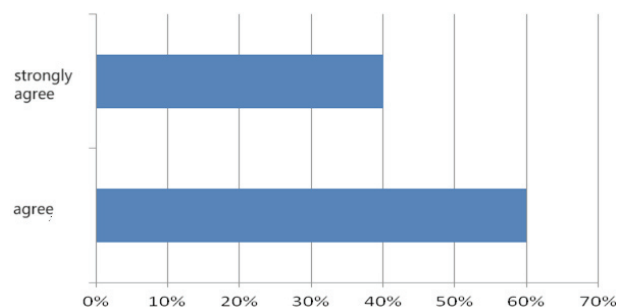
Table 4 After studying this course group, I learned about the concept of financial management and the significance of frugality
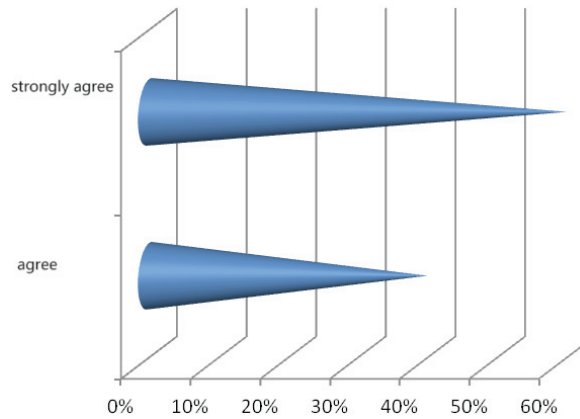

Table 5 After learning this course group, I prefer Cooperative learning, discussing with each other, learning others' thinking way and Learning methods and make progress on your own
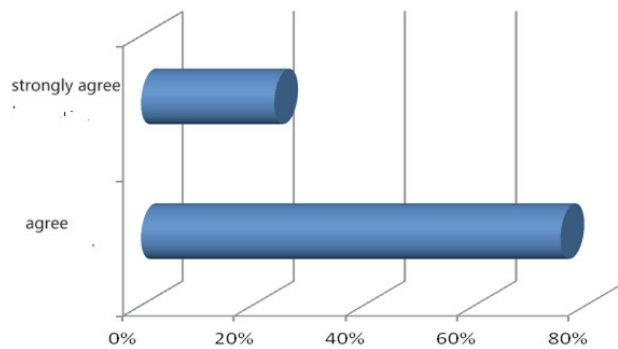

Table 6 After learning this course group, I prefer Cooperative learning, discussing with each other, learning others' thinking way and Learning method and make progress on my own

4. Discussion

This result showed that it enabled us to optimize strategies of blended learning models, it helped us to efficiently use classroom time and continuously optimize classroom activities, to Improve the assessment process and method then encourage students to learn independently, and to transform the role of teachers before, during and after class for guiding and facilitating student learning in the blended teaching based on the 5E model.

5. Conclusion

The hybrid teaching mode based on the 5E model can help students from the perspective of students, effectively train students to learn to think, analyze, evaluate and apply, and improve students' ability to learn higher-order thinking. In the process of teaching experiments, teachers need to constantly reflect and improve, timely discover the problems highlighting in the teaching mode, take the initiative to think and solve these problems in time. Only continuing to deepen the blended teaching based on the 5E model teachers could continue to implement the reform of college English teaching so as to better cultivate excellent application-oriented talents.

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