

Research Review on the Bisection Class and English Education

Jiang Hui¹, Xie Min¹, Yin Hua²

1 School of Foreign Language, Gannan Normal University, Ganzhou 341000, China

2 School of Mathematics and Computer Science, Gannan Normal University, Ganzhou 341000, China

ABSTRACT. According to the current situation of traditional class teaching, Zhang Xuexin, a professor of psychology, puts forward a new class model-- Bisection Class(PAD Class) . This model makes full use of the teaching style of "exquisite Harvard" to improve the shortcomings of passive learning and innovation in traditional teaching. The PAD Class model not only meets the students' psychological development characteristics, but also meets the requirements of the new curriculum standards for the cultivation of students' core qualities. This paper mainly aims at the full application and reflection of the Bisection Class model in English teaching.

KEYWORDS: Bisection class, The principles of psychology (1890), Innovative class

1. Introduction

Professor Zhang Xuexin formally proposed the teaching model of "Bisection Class" based on the reality of Modern Chinese education and the theory of educational psychology at 2014 , which is based on the theory of Fu Dan University. The 2015 Fu Dan University workshop focused on the theory and practice of "Bisection Class", converting the traditional teacher-centered, teacher-centered approaches--the students passively accept the "nutrients chewed by teachers" to a new class model teachers and students take the initiative to control half the time in the classroom.[1] In 2016, it was mainly the application phase of the Bisection Class, and various literature on dubbing class practice appeared a sudden increase. The year 2017 is the innovation and design stage of Bisection Class. One can draw a conclusion from the literature that researchers are actively practicing and improving. This is like our traditional Chinese painting, in order to show the theme of the corresponding consciously left blank, so that students in the teacher talk and self-feeling, students have their own independent thinking ability and creativity. "Silent place becomes a punch line, silent place listens to thunder", let the students are able to melt into the teaching activity, experiences the participation the pleasure, regardless of the student or the teacher's ability can obtain the enhancement in the different degree.[2] This paper intends to make a summary of the relevant studies with a view to providing some enlightenment and suggestions for English Teaching Research.

2. Literature Source and Statistical Analysis

2.1 Literature Quantity and Age Distribution

This review is based on articles in the keyword of "PAD English teaching" in recent five years (2015-2019) published on the China Knowledge Network. 150 articles involved PAD and English class teaching were identified through systematic titles and abstracts reading. According to the analysis of literature, the number of English bisection papers from 2015 to

2019 shows a steady growth trend. From 3 papers in 2015 to 22 in 2016, 42 in 2017 grew to 62, and now 82. It shows that the study of PAD pattern of English teaching has been paid close attention by scholars. Figure 1 shows the relationship between the year and the number of publications, with the number of publications in 2019 as predicted.

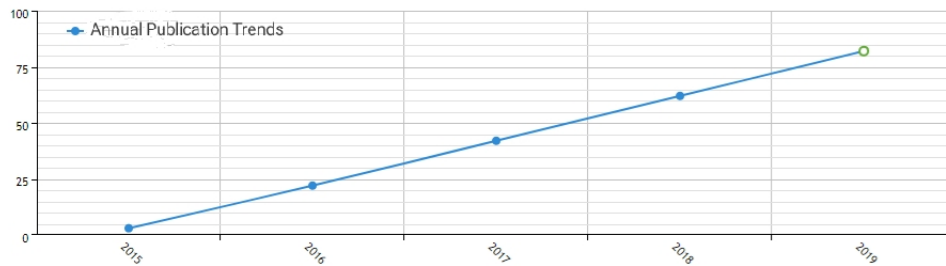


Fig.1 English Bisection Class Model Document Year and Quantity Relation Chart

2.2 Literature Topic Distribution

The author divided 150 articles of English Bisection Class into 5 categories according to the topic: 125 studies of Bisection Class in English teaching, this paper mainly expounds the practice and exploration of PAD Class in various types of schools for students of different ages and various types of classes, such as English reading class, English speaking class, English writing class, etc., the first appeared in 2016, innovating and refining the problems and deficiencies in the split. For example, the model of “micro-class + dual-class” is suitable for the teaching of college English teaching. There are 9 articles in the research methods of dual-class, 5 articles on empirical research, 4 articles on applied research and 2 articles on English Teaching reflection, most of which do not explain the use of research methods of their papers, indicating researchers do not pay much attention to research methods. To sum up, it is not difficult to see that the research on the divided class is still in the stage of practice and exploration, and it is also a reminder of the following research. In the process of exploration and practice, we should not forget to sum up and reflect on it, or think about peer-to-peer classroom studies from other perspectives, such as critical thinking. Figure 2 below shows a detailed breakdown of the distribution of literature topics.

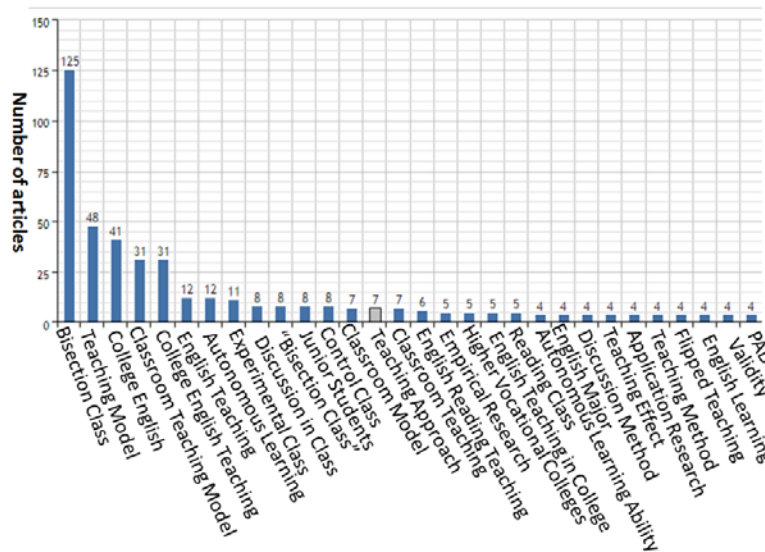


Fig.2 Statistics on the Distribution of Subjects in the English Bisection Class

3. Research on the Bisection Class

3.1 English Teaching and the Concept of the Bisection Class Model

Psychologist Pi Liansheng pointed out that strategic knowledge can help students learn how to think and remember better, which is the key to help students improve their knowledge level.[3] On the other hand, cognitive psychology redefines the content and method of education, and expounds the relationship between knowledge, skill and intelligence from another angle. The idea about the bisection-class model is to allocate half

of these class time for intensive teaching and the other half to interactive learning in the form of discussions. Give prominence to the teacher-led, student-oriented core concept, so that students have a time and process of absorption and internalization. Through the reception of knowledge, students can get a different understanding of each individual. In the process of discussion on their peers, students can have a new round of collision and thus a new round of learning. The teachers should never underestimate the ability of any student. When teachers give students time to think, they will find that flowers of every kind are in bloom, it is these flowers of thought that is striving to create on their way towards the goal of blossoming. This is exactly the kind of thinking and talent that is particularly needed in developing China, rather than the complete disregard for student psychology that has led to the phenomenon of one school for every student. The 18th National Congress of the CPC clearly stated that “scientific and technological innovation is the strategic support for improving social productivity and Comprehensive National Power. “[4] However, “the key to innovation lies in talents, and the growth of talents depends on education. “ English curriculum should be “people-oriented” , so our classroom activities should be “student-oriented” arrangement. English learning serves the development of students, while the cultivation of the quality of language learning needs students to complete through constant learning. Students' learning psychology is an important internal determinant of their learning outcomes. Adapt to the learning psychology of students, the classroom can achieve twice the result from half the effort.

3.2 Basic Operating Steps of the Bisection-Class Model.

The new teaching mode of Bisection Class, which includes three teaching links: presentation, assimilation and discussion, can also be called PAD class of short. The key is to separate the teaching and discussion so that the students can study independently in the middle of some time. The students form the basic framework of the knowledge content, understand the difficulties and lay the foundation for the internalization absorption by listening to the teacher in class. Then the students can study independently according to their own characteristics after class, to achieve the internalization of the content of knowledge, and finally discussion and sharing in class to deepen the understanding of knowledge, expansion and application.[5]

There are connections between knowledge, and the connections between knowledge constitute the structure of knowledge. Well, what teachers pay attention to in the first teaching link is the teaching and connection with new knowledge, so that students learn how to connect old and new knowledge in the process of listening to lectures, and how to use new knowledge to solve old problems or to build scaffolding for new knowledge.[6] This is a long-term process that requires students to continuously accumulate knowledge in order to have a more solid foundation for innovation during the second and third stage. For example, teachers in the process of explaining English words pay attention to the use of context to explain the words to help students remember understanding, plus suffix and other regularity of the discovery. After students have mastered a certain number of words, context and context are related to each other, so there will be no less association between words and words. This is very helpful for students to remember words, which is a process of internalization in the practice of memory. When we use unit topics for discussion, the words are internalized by the students and can be presented in a particular conversation. This is known in cognitive psychology as the encoding process. The PAD pattern conforms to the human nature, makes public the individuality, emphasizes “to teach first then study” , let the students change from the passive thinking to the active thinking, enhances the core accomplishment and the innovation ability, becomes the new time more comprehensive development person.

4. The Problems in the Application of Bisection Class in English Teaching

4.1 Lack of Scientificity and Preciseness

In the reading of the literature, it is not difficult to find the problems of the literature except the research methods are not paid enough attention to, and also easy to find that some literature researchers are not very clear about the analysis and interpretation of the results, and some only have a simple list of numbers, without in-depth analysis and theoretical thinking, so it's hard to avoid the feeling of lack of science and rigour.

4.2 Lack of Objectivity

Although this year's study of PAD Class is in a rising trend, is it really a one-size fits all approach for any type of class or school, is able to “cure all diseases” ? How do you get the good out of the bad? How to solve the concrete problems and make an analysis?

5. Enlightenment and Suggestion

Researchers should go deeper into the practice of theory of application, and pay attention to the application and choice of research methods in the process of practice, when to use one research method or a combination of research methods. Secondly, practitioners should prepare the scientific data and pay more attention to the choice of the number of subjects in order to make more accurate results we should pay attention to the choice of the number of subjects in order to make more accurate results in the process of practice. The Materialist Dialectics believes that contradictions are universal and objective, and that it is necessary to have the courage to admit and expose them. Professor Zhang Xuexin put forward the PAD classroom model when the full use of educational psychology to guide everyone, also leaving room for the development of this concept. Therefore, in the process of practice, researchers should face up to the existence of contradictions. Only in this way can contradiction be resolved or integrated with other teaching methods to achieve the effect of developing and avoiding weakness and flexibly apply to appropriate class type. In the numerous literature rarely see the practice class or the examination paper comments the class application how to bisect, the author thought this is a very big vacancy. Therefore, it is necessary to analyze the contradiction comprehensively and stick to the dichotomy so as to prevent the one-sided practice in the course of the innovation of the course types. The mixed teaching of divided class and other class models is also a subject worth studying, which can make various class models mix and develop their strengths and avoid their weaknesses.

Conclusion: The obvious conclusion is that it is in the past five years English scholars have made great progress in the research of Bisection by combing through the analysis of 150 papers on the application of Bisection in English classroom. The research topics are diverse, which involves all types of schools, including universities, vocational colleges, junior and senior middle schools, primary schools and even kindergarten. Research methods are also increasingly diverse. But there are also some troublesome need to be done. The Bisection Classroom model is a process of copying to understanding and then creating again, so long as the core idea remains the same, when we apply it in the daily teaching process, teachers should make appropriate adjustments and innovations according to students, curriculum and other factors. It is also a profound learning and education for teachers brought by the divided class, because the teacher is teaching students at the same time the teacher itself is also in progress and innovation, constantly adjust and enrich themselves to deal with the students may be the answer. So what makes the most sense of the Bisection Class is that everyone has the initiative to work, think, innovate, and get ahead through Bisection Class.

Acknowledgement

Higher Education Teaching Reform project of Jiangxi Province (JXJG-17-14-13); Key project of Scientific Planning for Education in Jiangxi Province (18ZD057).

References

- [1] Zhang Xuexin (2016). Bisection classes: The new wisdom of Chinese education [M] Beijing: Science Press.
- [2] Wang Bailing (2016). A Comparative Study of “Learning First, teaching later” and “teaching first, learning later” in senior high school Chinese[j] Education.
- [3] Pi Liansheng (1997). Psychology of learning and teaching [M] Shanghai: East China Normal University Press.
- [4] New English Curriculum standards(2017) [M]. People’s Education Press.
- [5] Chen Ruifeng (2016). Bisection Class: Exploring the Generative Classroom Teaching Model [J] Shanghai Education & Research.
- [6] Xiao Wanling (2019). On the transformation of the role of English teachers in Higher Vocational Colleges under the dualistic classroom teaching mode [J] Science for all, science education.