

Reflection on Curriculum and Teaching Theory in the Context of Internet

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Abstract: With the development of science and technology, the Internet technology has penetrated into people's daily life, which has a significant impact on the economy, politics, culture and education etc. At the same time, it has great influence on the transformation of educational research in China. The study of curriculum and teaching theory is aimed at actively responding to the education problems in the new era, focusing on the basic theory of curriculum, the problem of curriculum practice, the basic theory of teaching and the problems of teaching practice. It mainly includes the integration of the core values of socialism into the school course, the integration of information technology and teaching, the relationship between core competence of Chinese students and curriculums teaching, mod, flipped classroom, intelligent classroom and deep learning and so on. The relevant researches which not only effectively solve the new problems encountered in the field of curriculum and teaching practice, but also lay a foundation for the construction of modern curriculum and teaching theory. In the face of the challenge of the present society, the research field of curriculum and teaching theory needs to strengthen the team cooperation, absorb the achievement of related theoretical research, change the traditional research paradigm, and then construct the modern curriculum and teaching theory.

1. Introduction

In recent years, curriculum and teaching theory has been actively responding to the issues of curriculum and teaching development under the background of information technology. On the other hand, it focuses on the theoretical and practical problems related to the core literacy, the creation of the course and the wisdom teaching so as to provide a powerful academic support for the comprehensive deepening of the curriculum reform.

2. The Basic Research of the Curriculum and Teaching Theory

This paper is based on 32 sources of CSSCI pedagogy, which have set up a small part "curriculum and teaching theory", such as "Education Research", "Curriculum and Teaching Method", and "Contemporary Education and Culture", "Theory and Practice of education" and so on, to analyze the basic situation of the study of the curriculum and teaching theory.

2.1 Analysis of curriculum and teaching theory

Through the summary of the above 39 kinds of literature, 20 kinds of periodicals have specially set up such as curriculum research, teaching research, curriculum and teaching research, curriculum theory and teaching reform, teaching theory and method, western teaching theory research, course textbook teaching method, creating guest education, micro lesson, MOOC and flipped class and so on. The columns closely related to curriculum and teaching theory form relatively concentrated research results.

2.2 The basic characteristics of curriculum and teaching theory research

The first basic characteristics of curriculum and teaching theory research takes high moral values establishment and people cultivation as the fundamental task of education. With the development of education, it is a hot topic in the field of curriculum and teaching theory that how to integrate the core values of socialism into the curriculum and teaching of primary and secondary

schools in the implementation of the comprehensive deepening of curriculum reform. Secondly, paying attention to "practical problems" is an important orientation of current curriculum and teaching theory. Under the background of the curriculum reform, the compulsory education is into an important stage and the ordinary high schools are facing many new challenges. However, the curriculum and teaching theory continues to pay attention to "practical problems", which has produced a lot of achievements and has gradually formed a group of rich and characteristic research teams. Thirdly, the core literacy of Chinese students has been the most important focus of the curriculum and teaching theory since 2016. The academic has carried out a heated discussion around the core literacy. The content mainly involves the essential features of core literacy, the core literacy of the subject and the course teaching directed by the core literacy. It is the fundamental basis for the future talent training for the course and teaching "what and how to do for a person". The traditional curriculum and teaching theory have been unable to cope with the challenges of curriculum and teaching in the new period. Under the background of information technology, there are many new ways of curriculum and teaching such as MOOC, minor lesson or flipped class, and the related teaching mode, teaching design and teaching software have entered the teaching field, which has greatly changed the structure of curriculum and teaching.

3. New Progress in Curriculum and Teaching Theory

3.1 The study of curriculum theory

In recent years, the study of curriculum theory focuses on the integration of socialist core values into the curriculum, the construction of school curriculum, the resources of information curriculum, the course of creation, the micro course and MOOC. Among them, the micro curriculum and the MOOC are the hot spots of the research.

3.2 Research on micro course and MOOC

In fact, the traditional teaching and learning methods are changing with the influence of Micro curriculum. However, there are many phenomena of misuse such as misuse the concept of micro courses, micro video, micro courses and so on, resulting in a lot of confusion in cognition and practice. The essential feature of the "micro course" is to provide the material of their own knowledge and ability to the learners and to leave more space for the students to choose the content of their own learning, rather than the teacher's. With objective and dialectical view to MOOC is the starting point to promote MOOC development and teaching reform. As an online course learning model, MOOC requires teachers to realize their role quickly and make good transformation from traditional classroom teaching to MOOC teaching, which is the key factor for teachers to adapt to the innovation of education. MOOC can make up for the absence of online learning.

The advantage of MOOC lies in the process of knowledge production based on cooperation, discussion and consultation. Also it is difficult to realize the complex learning and adapt to all the curriculum types. If we want to carry out MOOC effectively, we not only need theoretical guidance, but also many high-quality teachers and initiative students. However, the MOOC platform's development in China is blindly following the trend, which urgent us to seek advantages and avoid its disadvantages.

3.3 The study of curriculum practice

Curriculum reform is a continuous process, the key is not to change the curriculum, but to change the behavior of the main role of teaching. Although the curriculum reform and innovation in primary and secondary schools has entered a comprehensive period, it is faced with many problems such as insufficient planning and power, lack of resources, poor quality, and need to be coordinated. The curriculum in middle school should arrange the suitable course to the students according to the students own development and needs.

3.4 The study of teaching theory

In recent decades, the study of teaching theory mainly focuses on these aspects: transformation of teaching paradigm, teaching mode, teaching evaluation. Only when researchers think their own teaching and research process many times and reflect on their own experience, then they can adjust their research direction and way to improve and remold their own teaching style. The study of teaching theory tends to focus on the "teaching" of teaching to the study of students.

3.5 The study of teaching practice

The study of teaching practice focuses on four aspects: life class, effectiveness of teaching, flipping class and wisdom class, of which the most important one is flipped and wisdom classroom. It is also not only a reversal of the two processes of knowledge imparting and knowledge internalization, but is accompanied by a full range of changes in educational ideas, contents, methods, and teaching evaluation.

The wisdom classroom is the inevitable result of "Internet +" era of school education, which is focusing on teaching, classroom and the activities of teachers and students. It is a good way to promote students' intelligence development by using Internet, cloud computing and other technology to build the smart and efficient implementation of the classroom.

4. Reflection on Curriculum and Teaching theory

Firstly, curriculum and teaching research need to strengthen the team. The solution of many problems in the field of curriculum and teaching practice requires the cooperation of theoretical workers and practical workers. This kind of team cooperation aims at solving practical problems and forming theoretical construction on the basis of solving problems. Secondly, the modern curriculum and teaching theory under the background of Internet to be rebuilt the subject system. Only by constantly improving our theoretical thinking level can we build local practice and characteristics of the times. Finally, study on curriculum and teaching mode under the background of Internet urgent transformation. The traditional curriculum and teaching theory more use speculative research methods, emphasizing the fundamental questions of nature, laws and principles, aiming at establishing a general and universal system of teaching problems that can solve the course problems occurring in all fields.

5. Conclusion

In short, under the background of the new era, we must face and rethink the dual influence of the informatization on the theory and practice of the curriculum and teaching theory. By using the technology to construct a new course and teaching to adapt to the development of modern society, which reflects the characteristics of the students' learning and guide the teaching practice. Therefore, we believe that the development of modern curriculum and teaching theory will be the core topic in the field of curriculum and teaching theory in the future.

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