

Research on University Teaching Pattern Reform Based on Innovative Education Concept

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Abstract—With the development of modern society, it asks higher demand on talents and has tried timeless efforts to improve talent quality. Facing the broader needs of society, China implemented quality education reform in order to foster appropriate talents who can be adapted to society. Besides, the education policy changes from examination-oriented model to quality education model. Therefore, in the course of quality education reform, the important and difficult point is the reform of education model. Only by reforming the education model to correctly guide students can they comprehensively improve their quality and ability. The most important issue of reforming education is to make students become active rather than passive so as to act as masters in classroom. In addition, indoctrination style should be changed into elicitation education. So, in terms of education model change, both teachers and students have to change, which is bidirectional.

Keywords—Quality education reform; Innovation; Teaching model; Learning methods

I. INTRODUCTION

The development of society cannot be separated from innovation which is the driving force of scientific development while Deng Xiaoping once said that Science and technology constitute a primary productive force. Talents needed by the society should be those who can bring along with productivity development and therefore, modern education should no longer adopt exam-oriented education because it faces exam rather than society. We can conclude that innovative education cannot be separated from quality education reform, which helps students to know about the reality except from theories while class is still the main battlefield of quality education reform. Therefore, the reform of education model is established based on deepening and perfect innovative education. This author sums up with some methods in terms of changing the education models based on practical teaching experience to innovate education and cultivate innovative students.

II. ANALYSIS ON THE CURRENT TEACHING MODEL

Each teacher has their own teaching model, and from the perspective of the author, so-called teaching model refers to fixed teaching process or styles and features teachers show in class. Therefore, teaching model can be

beckoned as guiding ideology which determines the thought of teachers as well as the roles as well as learning sequence of students. Therefore, a good teaching can enhance students' enthusiasm, and improve students' creative ability. In the process of modern education, there are two types, one is active students and the other is teacher guidance, which is infusion education.

A. Infusion education model

So-called infusion education model takes teachers as the main character and in most of the time, teachers unilaterally talking about teaching contents while the only task students has to do is to listen quietly without interactions with teachers. So, teachers are dominant in class sometimes there are experiments. However, this teaching model only focuses on teaching to rigidly carry out cramming teaching based on the teaching outline. In class, teachers talk more while students record, lacking interactions. Judging from the final assessment form, students' ability are judged based on an examination paper while teachers teach around this paper and students learn because of this paper. As a result, students lack independent thinking ability and sometimes they don't understand while the only thing they know is whether it will get record or what is the question type. What's more, teachers judge students based on the record they get which sometimes is biased.

This education model has existed in China for a long time which is also known as examination-oriented education. It seriously damages the innovation ability of students, and makes students deal with exams based on textbook knowledge yet they are not equipped with practical ability to deal with problems in life and we have to know that knowledge come from life and should be applied into life. Under such teaching model, students gradually lose their enthusiasm and curiosity of learning because the only thing they want to is to achieve high score. To conclude, this teaching model is not conducive to the all-round development of students.

B. Elicitation teaching model

With the reform of quality education and advancement of the new curriculum standards, people realized that the examination-oriented education is no longer applicable to the modern quality-oriented education and we have to turn to elicitation teaching method. It is well known that

Western countries have adopted this teaching model a long time ago. The so-called elicitation teaching method mainly changes the roles of teachers and students so as to teach students how to fish rather than give them fish. Most of foreign schools adopt this model and its merit is that teachers still take important roles yet they do not unilaterally teach but guide students. Besides, students no longer passively take records but begin to think and act as masters in class or they explore recursion formulas etc. Main features of this teaching model are to enhance students' interest in learning, stimulate learning desire, help students explore knowledge, improve their self-learning ability, practical ability, guide them put forward doubts, guide them find out solutions and cultivate their ability in analyzing problems and solve problems. What's more, elicitation teaching model can help to improve students' comprehensive quality which highlights to tap the potential of students and full play their ability rather than teachers lead students by the nose. Therefore, students have to think on their own so as to improve independent learning ability, positive attitude and spirit. So, we can conclude that elicitation teaching method does not only teach knowledge but how to acquire knowledge and innovate methods.

Implementation of elicitation teaching model can be deemed as a breakthrough to realize quality education which yet is difficult because problems such as how to change students attitude of pursuing records and quickly make teachers accept this teaching model remaining to be pondered and discussed.

III. TEACHING MODEL REFORM PATH

A. *Change the learning method of teachers*

In elicitation teaching model, students are dominant which yet depends on teachers because teachers' grasping and allocation contents are of great significance. Teachers as classroom controllers, their thoughts, teaching philosophy and methods also determine the implementation effect of elicitation teaching model.

To begin with, the idea as well as thinking pattern should be changed. Teachers' ideas and thinking pattern control the classroom and therefore in order to push the implementation elicitation teaching, the first is to help teachers abandon the old concept of education. In old concept of education, teachers are authorities and students cannot doubt or challenge them while they unilaterally imbue students with knowledge rather than approach. However, real education is not only to teach knowledge, which of course is important its aim is to help students see the world standing on the shoulders of giants and they won't have advancement if they standing still. Therefore, teachers have to change the education philosophy and realize that their responsibility is not only to teach knowledge but also teach them how to acquire knowledge, find out problems, analyze problems, and solve problems to achieve success. Of course students' concept and mode of thinking should also be changed so as to help them understand that education is not about to pass exam based on the teaching contents but also apply knowledge into real life and meanwhile find out demerits with advancement.

Second, change the teaching methods. Specific quality education reforms are mainly demonstrated in the teaching

methods. In teaching methods, teachers have to prepare and make the class design. Concerning the class design, modern classes are equipped with multimedia equipment, and teachers can search materials or videos online so as to broaden their horizon and improve their interest so as to make them have effective as well as interesting learning. Of course, if there should be contents related to practical operation, teachers should try their utmost to create conditions for students to practicing which can deepen student's memory and enhance their practical ability because after all, single expression is tedious. What's more, teachers shall find it difficult to know how students master the knowledge in large-scale class and therefore, we have to gradually carry out reform and adopt small-scale class as well as tutorial system etc. Moreover, teachers should design interactive section to ignite their curiosity as well as enthusiasm so as to make students and teachers carry out full communication and let them come up with doubts as well as different opinions.

Third, change the assessment methods. Long-term examination-oriented education makes students be confined to one exam paper and they are used to the model of teachers talking while students recording. Finally, teachers shall tell the key points and students take the exam record as their final goal which has to be changed. As far as the author is concerned, the exam can be divided into two parts, usual performance and final record. Even though the quality education aims to improve students' innovative ability the theoretical knowledge is also of great significance and therefore, final exam is necessary.

B. *Change the learning method of students*

The long existed examination-oriented education model makes students form bad habits. Students are not good at thinking by themselves, just waiting for the teacher to explain, and memorize. So they cannot understand the knowledge which lead to the condition that they are far away from innovation. This examination-oriented education imprisons students thoughts. Therefore, it is of great significance to change their learning method and thinking habits.

First, establish correct way of learning. In the past, students only pursue final record and their learning methods are rigid, who only master the key points taught by teachers yet their individual innovative thinking ability is poor. So, students have to change their learning target so as to improve their quality and be exposed to abundant knowledge.

Second, change the learning method. They can no longer adopt the rote learning method but adopt the methods which can grant them with the opportunity to take practice and think on their own. For example, they can get in touch with the teachers to carry out scientific experiment based on their interests.

Third, strengthen their active learning awareness. In modern teaching model, students don't have a clear mind about why they have to learn and always hold the idea that their knowledge cannot be applied in real life. Therefore, conditions have to be created to help students apply their theoretical knowledge in real life, guide them do some creation and strengthen their dominant roles to stimulate their learning enthusiasm.

C. *Change the teaching management method*

In the course of pushing elicitation education model, the management method is also an important factor. Therefore, managers have to focus on the teaching philosophy change of teachers and take it as the primary task. Even though teachers are equipped with abundant knowledge they have to continuously learn and therefore, they have to be equipped with more chances for further study. Besides, change the current condition that teachers focus on scientific research while ignore teaching tasks. A dazzling array of teachers has their research topics and they shall have uneven time allocation on research and teaching. So, a teach evaluation system should be established to implement effective supervision. Furthermore, to change the teaching management system and make reasonable, effective and practical system should be an important guarantee to ensure smooth quality education reform.

IV. CONCLUSION

Education aims to provide talents for the nation as well as society and talents cultivation cannot be separated from education. Meanwhile, education quality also determines the quality of talents. Therefore, we have to vigorously push the implementation of quality education reform in order to cultivate qualified successors.

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