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## Goal-Oriented Method and Practice in Experimental Teaching

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#### Abstract

Experimental teaching is a crucial part of Higher Education. Driven by reasonable experiment teaching goal and combined with the proper guidance of teachers, we can improve students' experimental initiative conveniently. Objective teaching method can fully mobilize the enthusiasm of teachers and students, play the main role of students and the leading role of teachers. Using the goal driven method in experimental teaching will contribute to the formation of the "student-centered, teacher-led" teaching pattern in teaching process.

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Keywords: experimental course; goal driven method; students' subjectivity;

#### 1. Foreword

Promoting the comprehensive quality education of college students in our country has become the main theme and trend in the reform of Higher Education. How to implement quality education in teaching is a problem that every teacher has to face and is worth discussing. Quality education has profound connotation, various channels, the implementation of quality education should run through every teaching link, and experimental teaching plays an irreplaceable role in quality education. Experimental teaching has the characteristics of visualization, vivid and the combination of theory and practice, the process to promote quality education in the experimental teaching is the course that we should make full use of these features motioned above [1].

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In teaching process, teaching objectives play a important role in indicating direction of education, guiding teaching trajectory and making predetermined teaching results. Once the teaching goal is determined, it plays a controlling role on the teaching activities. In addition, high level goal has restrictive function on low level target so that the target system can achieve harmony<sup>[2]</sup>. Appling the objective teaching method into the experimental teaching will contribute to the formation of the "student-centered, teacher-led" teaching pattern.

#### 2. Generation of experiment teaching and students' subjectivity

The experimental teaching focus on cultivating students' understanding of the teaching content and the actual operation ability, in order to mobilize the learning initiative of student, to improve the students' ability of self-study and self-reliance.

The importance of experiment teaching in the experimental middle school is that students can learn knowledge which is richer and more intuitive than theory, experiment plays an irreplaceable role in the whole teaching system, has independent status. Experimental teaching has become a very crucial and important teaching link in cultivating students under the trend of advocating quality education and strengthening the training of innovation ability in higher education today.

After the experiment class, teachers should not only ask students to write experimental reports, but also require students to write according to their own experimental process, experiences are the deep thinking of the experiments students have made. As for high school students, it is necessary to combine with the graduation thesis design; they are encouraged to take part in the scientific research of teachers. Integrating theory with practice to overcome the disharmony of students' theoretical knowledge and practical ability also is a basic requirement of the student in teaching process. While Appling the theoretical knowledge into practice, it can not only deepen the comprehension and cognition of knowledge but also exercise and cultivate students' ability to analyze and solve problems.

Therefore the experimental teaching must escape from theory teaching to have its own independent status, which is a substantive issue in the experimental teaching.

The main theme of the present era is: to carry forward the human subjectivity, to arouse people's main body consciousness, to full play people's subjective spirit. How to make students possess subjectivity and strengthen it become an important topic in the current educational theory. With the view of materialist dialectics, the development of students' subjectivity can only realized by taking itself as a fundamental, germinate and grow under the common action of the external conditions such as the teacher and school spirit, that is, to form subjectivity through independent activities under the education influence. The activity is the way of formatting individual subjectivity, because it is the main way of existence and development, the main way to generate and develop human subjectivity [2].

The main measures to generate subjectivity of students is to take part in the teaching process both teachers and students. Subject participation is one teaching strategize that teacher should arouse students' enthusiasm, initiative and creativity by taking various measures to make all students involve in teaching process actively, achieving the aim of autonomous learning, mastering knowledge and developing ability, then promote the development of students' subjectivity. The generation of students' subjectivity requires the corresponding contents and forms of organization.

#### 3. Objective teaching method

Objective teaching method is a modern educational theory based on the American scholar Bloom's teaching theory; it is a student-centered and teacher-led teaching model. It is the new mechanism that takes the teaching goal as the center, considers review of correction as the guarantee; make sure that most of the

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