The Application of "Divided Class" Teaching Mode in HTML5 Development Course

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Abstract: Subclass is a new teaching mode for domestic learning situation, which aims to enhance students' participation and stimulate their enthusiasm in learning. As for the problem of that students' learning interests are declining in the integrated teaching model, divided classes is introduced to the HTML development course to stimulate students' interest in learning and guide students to learn actively through the student groups and the implementation of separate classes. Fortunately, the questionnaire survey and the feedback information of subsequent courses show that this teaching model has obvious positive effect on improving students' learning skills and can be explored and applied in engineering practice class.

1. Introduction

Since China's higher education expanded its enrollment in 1999, the teaching quality of colleges and universities has generally decreased. For instance, the students' learning motivation has declined, the rate of classroom absence is much higher and the students' learning goals are going to be more utilitarian, what's more, it is quite common to play with mobile phones and computers in class and not listen to lectures carefully. At its root, most classrooms still adopt traditional teaching methods which based on indoctrination mode. As a result, students are passive, lack of participation and it is difficult to improve their learning enthusiasm. In response to this situation, professor Zhang Xuexin of Fudan University initiated and promoted the teaching mode of "divided class" firstly. In March 2014, Zhang Xuexin and He ling respectively applied the method of "divided class" in different schools. After one semester of practice, the questionnaire survey results showed that more than eighty percent of the students believed that the effect of divided class was better than the traditional teaching method. At this moment, the teaching model of "divided class" has been widely and effectively applied in various undergraduate universities with the promotion of professor Zhang. Actually, the new teaching model of "divided class" is to divide class into two parts in form, one is for teachers to teach and the other one is for students to discuss. In essence, it is a psychological internalization link that between teaching and discussion, so that students can be prepared to participate in the discussion after absorbing the teaching content. In this way, it's easy to reach to the integration of the two paradigms of teaching method and discussion method by emphasizing the process of the internalization and absorption. However, the teaching method is realized for the teaching which based on the internalization of independent thinking, and the results of internalization are displayed, communicated and improved in the discussion through socialization learning. It not only ensures the efficiency of knowledge transmission, but also gives full play to students' initiative.

2. Current Situation and Future Development of the Course

HTML5 and its technology ecological chain are the new generation of web programming technology, which endows better meaning to web pages and is the technical outlet. Its talent demand grows rapidly. The future development trend of HTML5 is bound to be mainly mobile, which will play an important role in smartphones and tablets, and will become the main helper for

future game developers.

Nowadays, the number of mobile phone owners in the world has reached 1.45 billion. With the application of WeChat and Alipay and other applications, mobile internet has been related to our daily life closely, which shows the unprecedented development prospect of mobile internet in the future. In addition, the development trend and the prospects of HTML5 employment in the future are quite optimistic. By the way, the school offers this course is in order to connect with the society, so that students have a experience of "what they learn is the most practical".

In the future world, people will have higher and higher requirements for the experience, which is not only a good visual experience, but also a more convenient and simple operation of clients and plug-ins. More users will choose to use mobile devices to access websites or WEB applications. HTML5 is a very convenient mobile development tool. As Abode announced that it was abandoning mobile FLash development, I don't think anyone would refuse to use HTML5 to develop WEB applications.

Therefore, HTML5 is going to be the trend, and its popularity is not unfounded boast. It can be said that HTML5 has swept the entire internet, and we have to admit that there is a shortage of HTML5 developers, it's a good choice to take advantage of this situation for the new as well as the old, because learning HTML5 development to increase skills will be a mainstream.

3. The application of "divided class" in HTML5

"Divided class" obeys the principle of combining theory with practice, and learning process is a teaching mode of knowledge and skills which are independently constructed by students according to the theoretical knowledge and the remaining tasks taught by teachers in class and based on the learning of relevant theoretical knowledge and practical technology. Students can also take advantage of the web site of information technology, since the information of the courses can be input into the internet system to increase connection between the professional foundation courses and network, it is also very convenient for class service, which requires both of the students online operation ability and self-study ability at a certain level, what's important is that it shows the assist from the teacher in class and the concept of that students are the subjects of the classroom.

3.1 Make students "active" and participate in class

The curriculum standard emphasizes that teaching should involve students in activities, especially thinking activities, and emphasizes students' independent exploration and hands-on practice. However, the positioning of teachers has changed fundamentally compared with the original outline. Teachers are transformed into the organizer, guiders and participants of students learning knowledge.

That is to say, the whole teaching class should be a place for students to find problems, solve problems, use their brains to do things, and be creative. Only in this way can the classroom be better.

In a word, scientific learning methods provide a guarantee for the creation of efficient classrooms. It's necessary for us to reform the classroom teaching mode and improve the classroom efficiency under the guidance of the new curriculum concept and on the premise of giving full play to the role of students' themes.

3.2 Create a classroom environment which is conductive to independent learning ability for students.

Mr. Xingzhi Tao, a famous education scholar, proposed "six emancipation" when talking about education.

(1) Liberating students' minds is what they can think about.

(2) Free the students' hands to make them capable.

(3) Free the eyes of the students so that they can see.

(4) Free the students' mouths to speak.

(5) Liberating students' space allows them to broaden their horizons of knowledge.

(6) Free up the students' time so that they have time to digest what They have learned and do something they enjoy doing.

Mr. Tao's profound insight has pointed the way for our classroom teaching, which is to build a democratic, relaxed and harmonious classroom, respect students' personality, trust students' ability, listen to students' voices, make students dare to think and to speak, and create a classroom environment which is beneficial for them to learn and develop.

3.3 Create realistic, specific and interesting problem situations for students.

The curriculum standard emphasizes the creation of problem situation for students in classroom teaching, which aims to enable students to learn and understand from their familiar real life, enhance their interest in learning, and cultivate their thinking ability and quality. When students create problem situations, the choice of questions is very important. Because the purpose of creating the problem situation is to cultivate students' interest in learning, and if the problem cannot arouse students' interest in it, such a problem is not advisable. Secondly, the question should have corresponding difficulty. Meanwhile, such questions are undesirable if they contain little or no difficulty at all. The third thing is the efficient classroom experience, Finally, note that the problem is challenge, and the function of challenging students thinking should make students greatly develop and develop their thinking, but in creating problem situation for students. Attention shouldn't be paid to create situations for creating situations, and more attention should be paid to the time it takes to create situation.

HTML5 development language is the most popular language used in WWBAPP programming currently. It has a lot of features, like easy to use, fast, cross-browsing platform and so on, especially featured in the adaptive web design. Frankly speaking, the process of "divided class" teaching is related to our actual needs. Next, let's talk about my specific practice. I reformed the teaching of my classes by referring to the idea of "divided class" and my experience.

First of all, the class has two classes a week, so the class is divided into two classes once a week.

Secondly, the first lesson is to teach, and then the two core and relevant questions of this lesson are left for discussion in the next class, students can use their spare time or evening study to check the materials. In the second class, I first reviewed the content of the last class. Then, I asked the students to discuss in groups , and four or five people in each group. Students could communicate with each other through various means, including the communication between groups.

Then, the two questions were asked to each group. Two students in each group were randomly asked one question, and each group was given five points for correct answers. Finally I asked each group of students who had not been asked to explain these two questions on the stage in turn, which not only experience the learning effect, but also exercised their speech ability.

I plan to do ten such pairs, with a total score of one hundred percent. And it is accounting for 50 percent, the rest are homework, attendance, class performance, which are accounting for 20 percent, and final exams takes up 30 percent.

My idea is to reduce the total number of courses by half through divided classes. And teaching difficulty should be reduced to make it easy for students to accept. Don't train students by the standards of "college students", but by the standards of "skilled workers".

Half of the class time is allocated to teachers to teach and half is allocated to students for discussion, so that teachers and students are "divided into classes". More importantly, "separate class discussion" is adopted. It is concise, practical, low threshold, operable and may see significant effect in a short term. Please to have a try to experience the vivid classroom lively where teachers are relaxed and students are active!

4. Teaching assessment

The implementation process of sub-teaching is dynamic and diversified. For example, the traditional way of assessment is the final exam, it ends up with one exam, which losing the role of encouraging and guiding students. On the contrast, the assessment method of this course adopts the combination of self-assessment and mutual assessment, completion status and quality of each stage

of the course, teacher's evaluation and public assessment. After the completion of the task, the group shall conduct self-assessment and mutual assessment, and the group members shall send a representative to present the results of the group to the students of the whole teaching class. The teacher evaluation is mainly based on the aspects of student discipline, learning attitude, solidarity and cooperation, and project innovation.

5. Conclusion

The fundamental change of traditional teaching methods has been realized through the teaching reform of HTML5 development courses and the introduction of "divided classes". So as to promote each other and make joint progress, and further improve students' independent learning ability and team spirit, each student should not only complete their own tasks independently, but also communicate with other students on a regular basis by the learning and practice of the sub-teaching method.

In a word, the use of divided classroom teaching in HTML5 development has improved students' interest in professional knowledge and practical ability, and gradually cultivated students' mobile development skills, and achieved good teaching results.

Acknowledgement

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