

Application of Flipped Classroom in Middle school Teaching

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Abstract: With the continuous development of education, the flipped classroom is also constantly applied in the middle school teaching, so that the teachers' teaching classroom has become more diversified. The flipped classroom, based on teaching video learning, can make the flipped classroom more efficient through establishing a platform, so as to improve the teaching level of teachers and improve the teaching efficiency of teachers.

Keywords: Flipped classroom; Middle school teaching; Application

Introduction

In the process of applying the flipped classroom, teachers should pay attention to the application of science and technology, through video or dynamic pictures to let the students know what knowledge learned, and then let the students to ask questions to the teacher through the classroom, by the teacher to answer difficult questions, so as to explore knowledge with the students. This way can not only let students complete the digestion and absorption of knowledge, but also cultivate students' self-study spirit, so that students can interact with teachers. The most important thing in the flipped classroom is based on video learning, which requires students to actively learn the video and complete the teaching tasks of teachers, so as to be very conducive to the development of the flipped classroom and improve their learning efficiency.

1. Flip the classroom brief

Flip classroom is the first rise in the United States, mainly through video teaching to let the students get knowledge, but with the development of society, more and more science and technology are applied to education, so the teaching mode has been further optimized, become the way of education, currently has a high application. Flip teaching is mainly dependent on modern science and technology to teaching classroom, different from the traditional teaching method, flip classroom can through network information technology to build network platform, so as to help students learn, in this process, the teachers can through network video, network courseware platform self-study to help students learn, at the same time also can tailor learning for students, let them can combine their own learning experience to learn, in order to improve their learning efficiency. Flip classroom in the process of application requires the teachers to very good teaching design, so as to make good teaching video for students, let the students can get the corresponding knowledge in video learning, but also can rise desire, stimulate their interest in learning, so the teachers need to change their teaching concept, using flipped classroom to teaching, highlight students' learning subject, let the students can passive learning, for active learning, and then to obtain knowledge, improve their learning efficiency.^[1]

2. Characteristics of the flipped classroom

2.1 Teacher's character flip

Traditional teaching classroom is dominated by teachers, In the teaching process, middle school students often belong to the passive position, What the teacher teaches students to learn in the teaching process, Center around the teacher, But in this way of teaching, But ignore the main position of students, Can not well combine the learning status of the students to learn, So the changes need to be made, Teachers need to be able to combine the students' learning conditions and cognitive conditions to improve their teaching, In order to allow the teacher to complete the teaching of knowledge, Learn about the students' cognition, So as to change the content of the next class very well, This requires the teachers to pay attention to the students' knowledge learning situation, Control of the content. And flip classroom can be very good to students as the teaching of the main body, through the teacher's video to learn, timely complete the teacher taught the knowledge and content, so as to be very good knowledge learning, in the process is the student dominant learning, not only can promote the communication between teachers and students, also can let the teacher pay attention to the students' learning status, timely improve the teaching content, help students to knowledge learning.

2.2 Flip over the teaching mode

Flip classroom using video teaching teaching mode, let the teachers in the classroom after class knowledge can fully digest and absorb, this way to some extent shorten the teacher's teaching time, liberated the teaching time, gave the students full classroom time, let the students active classroom learning, in order to enrich their learning time, in the process, the teachers can also set aside a lot of time to communicate with students, answer the students' difficulties and confusion, but also close the distance with the students, im-

prove the active activity of the classroom. Flip classroom can increase the interaction between teachers and students and active classroom atmosphere, improve students' independent learning ability, so that students can take the initiative to learn in the classroom.^[2]

3. Application strategy of flipped classroom in middle school teaching

3.1 Teaching videos taken as the main body

In the process of middle school students, teachers should pay attention to the application of teaching video, do a good job in pre-class video design, understand the students' learning and cognition, the cognitive development of students and I, so as to make classroom videos for students. In this process, the teachers also want to understand the students' learning attitude, understand whether the students have resistance to video learning, also understand whether they can actively participate in the teaching activities, which determines the students' learning efficiency can improve, the teachers should always pay attention to the students' dynamic, understand the students' cognitive situation, in order to be able to tailor for the students teaching video. At the same time, the teacher also want to change the teaching concept, with multimedia teaching methods to video teaching, let the students understand the way to obtain knowledge, not only through the teacher, so the students can take the initiative to learn, through video to master information and knowledge, so you can be good to the knowledge learning, broaden their knowledge access, to in order to produce more interest in video learning.

3.2 Encourage students' interest in teaching videos

Teachers in video teaching, not only to consider the knowledge of video teaching, but also to understand the students' interest in video teaching, interest is the biggest source of a person, so whether the students are interested in teaching video can decide whether they can take the initiative to learn video knowledge. In this process, the teachers will be able to correct the students' learning attitude, let the students pay attention to video teaching, should let the students understand the importance of video teaching, let them to increase their learning experience through video teaching, broaden their learning path, let them to change their learning habits in video teaching, adapt to a variety of ways of learning. Therefore, in the teaching process, teachers should pay attention to stimulate students' interest in video teaching, correct students' attitude towards video teaching, so that they can take the initiative to use information technology to acquire knowledge, and broaden their knowledge sources.

3.3 Improve the quality of video production

Teachers in the application of flipped classroom teaching, to be able to improve the quality of video teaching, which requires the teachers can through their past experience and network knowledge to video production, but also to be able to combine the actual situation of their own class, in order to make suitable for their class development teaching video. In these process, the teachers can teach through video, image, sound, let the students can through network resources to learn, but because network resources may have some error, it requires the teachers to choose carefully, for students choose favorable teaching resources, so that can be good to the students knowledge learning. Teachers can teach through the way of screen recording software and PPT, which can not only improve their teaching methods through network knowledge, but also well guide students to learn knowledge and use their own language to guide it, so that it is easier for students to learn the video teaching content. In this process, teachers should not only rely on video teaching to learn knowledge, but should be able to combine their own teaching experience with video teaching, and teach students knowledge through various displays, so that students can more actively participate in teaching activities.^[3]

Conclusion: flipped classroom can make good use of network resources to classroom teaching, changed the teachers' teaching way, let the teacher can pay attention to students and communication, in the teaching process with students as the main body to teaching, let the students actively to knowledge learning, so the teachers should be able to actively explore the flipped classroom teaching application, in order to improve their own teaching efficiency.

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