

# The O2O Hybrid Model is Reformed in the Classroom Teaching of Automobile Electric Appliance

Na Yang<sup>1, a \*</sup>

<sup>1</sup>Mechanical and electrical technology department, Xijing University, Shaanxi Xi'an ,China

<sup>a</sup>515569778@qq.com

\* the corresponding author

**Keyword:** O2O; Vehicle electrical; Apply

**Abstract.** O2O hybrid teaching is the online and offline teaching mode. O2O is a line of traditional classroom teaching and network teaching of online the blended teaching mode of combining the reasonably applied to teaching, not only can stimulate students interest in learning, can fully mobilize students' learning autonomy. O2O is a new classroom teaching mode that promotes students' all-round development by means of "students as the theme". This paper expounds the connotation and advantages of online and offline teaching mode and puts forward the strategy of applying this teaching model in the teaching of automobile electric appliances: To build an online and offline teaching platform; Create a systematic online and offline education mechanism; Focus on classroom learning and promote education dynamic generation; Strengthening management, realizing the combination of network platform and mobile terminal, so as to provide reference for improving mathematics teaching quality in higher vocational colleges.

## Introduction

With the development of the network, the global networking curriculum is developing rapidly. Along with the development of the network, many colleges and universities of transferring part of the course to platform for class, will be part of the classroom into multimedia studio with connection to the Internet, will be extended to every corner of the campus network, to cultivate students' ability of independent access to information. At the same time, there is a change in the learning mode in the classroom, with teachers as the center and students as the center. Students are called the main body of classroom teaching through autonomous learning. The multimedia integrated teaching technology is used to expand the delivery of teaching content. Online teaching mode refers to the teachers using the modern computer information technology, including the large data, cloud computing, mobile Internet, etc., to build an online network education platform, and the network platform online upload video, teaching knowledge learning materials, such as heavy difficulty parsing PPT then students use time outside of these online information independently to study, and in the offline classroom, teacher again on the difficult point of the students' feedback in detail, completely solve students' confusion, help students better understand the teaching content. Online and offline teaching mode is a kind of education method commonly used in higher vocational colleges and training institutions, and its application is getting more and more attention and popularization. To achieve the perfect combination of online teaching mode, change the traditional teacher-centered teaching mode, to explore the dynamic of student-centered individualizing teaching new mode, so as to improve the learning efficiency of teaching.

## The O2O Teaching Mode Demands on Teachers

The teaching of traditional classroom is mainly based on the teacher's active teaching and the passive learning of students. In the course of teaching, the teacher is the center, while the status of the students is often neglected. In this case, the classroom teaching is too rigid, the students' learning initiative will be reduced, and the teaching effect will be greatly reduced. So domestic classroom should be the combination of online mode, give full play to their respective advantages, to achieve effective classroom teaching, classroom into student-centered position, organize the teaching process, teachers guide students to learn and solve the

problems in the learning process, so as to really improve the efficiency of classroom teaching, improve students' learning efficiency.

The O2O teaching mode requires that the teacher should not list the contents and knowledge points of a class, but instead ask teachers to prepare the classroom teaching content with high, precise and quasi-preparation. In addition to the new teaching mode, teachers prepare basic classroom content, but also widely read and search a literature, what will be taught to deep, so teachers need to have a high level of knowledge. Therefore, in the new teaching mode, the teacher must have raised himself to a certain height. The process of preparing lessons is the process of knowledge accumulation and the process of improvement, which requires a great deal of time and energy, far beyond the teaching mode of traditional courses. Under the new mode, the classroom teaching organization model has changed, and the teacher has changed from the leading actor to the director, responsible for the organization and planning of the classroom and the student as the center. This requires teachers to have a thorough and ready understanding of each student, and actually give the classroom to students, so that the students can learn actively and discuss it freely in class. The knowledge that students learn online can be summarized, refined and sublimated in class, and they can be understood and consolidated according to their own situation. Therefore, the classroom in the new teaching mode can promote the development of students' thinking ability and improve students' ability to solve practical problems, thus improving students' comprehensive ability.

The traditional classroom teaching assessment mostly takes the form of final exam, but does not assess the student's learning process. New teaching mode, teachers need to adopt a new examination way, will assess permeability to grasp student's learning process, which requires teachers in real time to grasp the students' learning situation, real aim was to promote students' active learning.

### **The Application of O2O Teaching Mode in the Teaching of Automobile Electrical Appliances in Higher Vocational Colleges**

**Build Information Teaching Resource Service Platform.** In order to realize the combination of online and offline teaching, we must first build a network resource platform. Then, by teachers will be matched with the vehicle electrical teaching of excellent teaching materials, such as teaching content such as video and PPT to network resources platform, so that students can according to their own learning situation of autonomous learning. The network resource teaching platform of xijing college is a nine bamboo teaching platform with powerful functions, as shown in fig.1.1. At the same time, the teaching platform can be equipped with online communication mode to facilitate timely discussion and communication between students and teachers, thus realizing online q&a and one-to-one teaching.

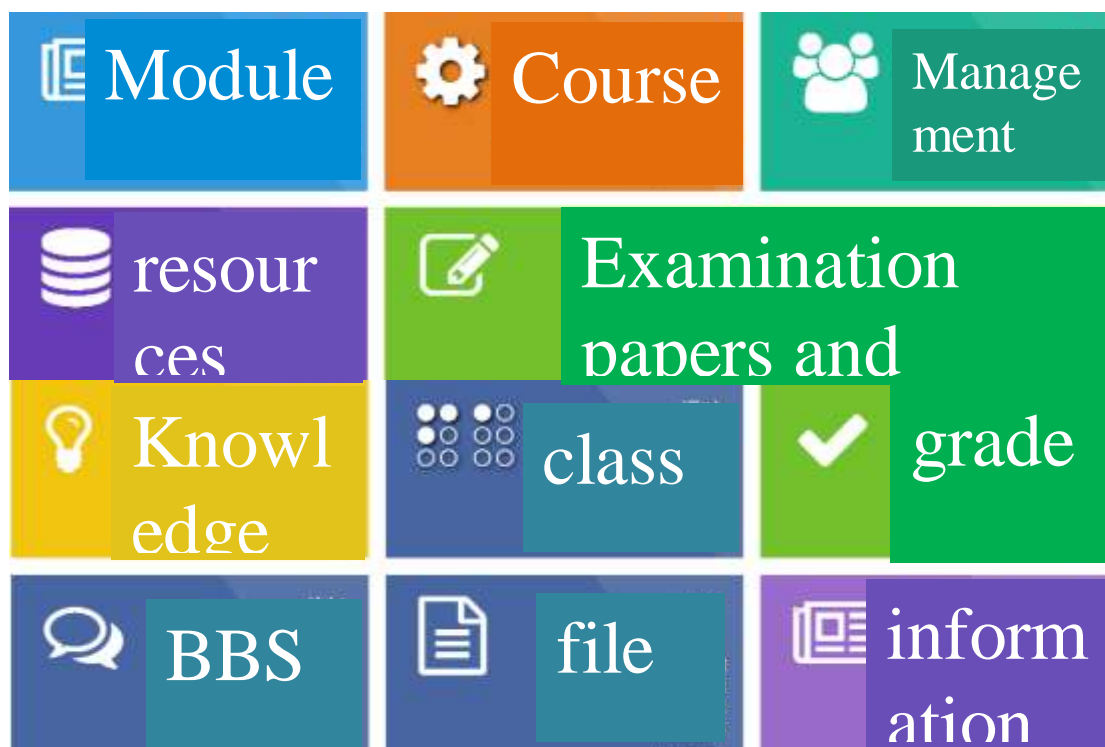


Figure 1. Nine bamboo teaching platform

**Focus on Classroom Learning and Improve Teaching Efficiency.** In the vehicle electrical online teaching process, teachers should first learning module, online teaching construction arrangement and teaching content of learning tasks and need to discuss relevant topics. In the process of setting up learning situations and defining topics, students can choose topics themselves and develop themes themselves. Secondly, in the course of learning, teachers should conduct one-on-one instruction to students and record the problems encountered by students. Finally, according to the students' performance, judge the implementation of teaching requirements. In addition, when students show their learning outcomes or submit your study questions on network platform, the teacher must promptly to the student learning outcomes for effective judgment or in detail, and the content of the difficult point of knowledge and answer students' questions.

**Strengthen Management and Realize the Combination of Network Platform and Mobile Terminal.** Coming of the era of big data, help teachers effectively using the modern Internet technology and some software, collecting a large number of data on higher vocational mathematics teaching method and teaching content, and through the analysis of the data to obtain timely information feedback, and to understand the status of the students' learning habits, learning, learning psychology and other related content. Online, offline, therefore, the teaching mode, teachers should use big data and cloud computing, computer information technology, network teaching platform combining with the relevant mobile terminal, the innovation of higher vocational mathematics teaching management mechanism, realize the teaching of open and collaborative interaction, make teaching management work more accurate and efficient, maximize the advantages of online teaching mode in higher vocational mathematics teaching.

## Conclusion

The combination of online and offline teaching mode has put forward new requirements for teachers' professors and students' learning. In the new mode, the appraisal system has promoted the teaching and learning. It is necessary to pay attention to the process and students' personality development, and to attach importance to the students' comprehensive quality and ability to adapt to the training of applied talents.

## References

- [1] Song Wen.MOOC A preliminary study on the localization of Chinese universities[D]. Central nationalities university 2015.
- [2] Li Fengqing.Research on the development of teaching support service system in information age university[D].Nanjing university 2013.
- [3] Shen Lixian.A brief analysis of the application of online offline (O2O) hybrid teaching method in the course teaching of higher vocational colleges[J].Light industrial science and technology 2016.
- [4] Ma Jiying.The practice of higher mathematics classification teaching in higher vocational colleges[J].Information technology 2012(02)