



# Research on Online Chinese Education System Based on Intelligent Interaction

Cheng Xie<sup>(✉)</sup>

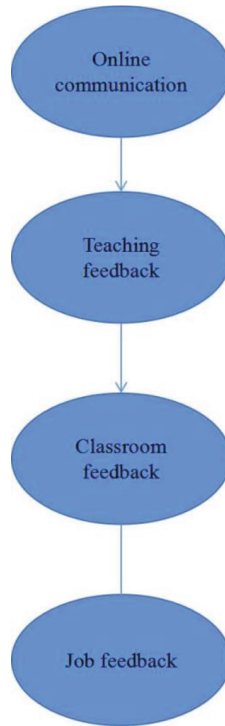
South China Business College, Guangdong University of Foreign Studies,  
Guangzhou 510545, China  
13580525546@163.com

**Abstract.** In order to understand the interactive online Chinese education system, a research on online Chinese education system based on intelligent interaction is put forward. Firstly, this paper analyzes the benefits of intelligent interactive online Chinese education, and how to use intelligent interactive teaching system reasonably and optimize classroom teaching resources. Secondly, it introduces the implementation strategy of intelligent interactive online Chinese education. By using the unresolved problems in interactive live classroom, teachers organize and guide students to solve them in practice, and strengthen the teaching achievements in practical training, so that students can digest what they have learned in intelligent online classroom and Chinese classroom practice. Finally, it shows that in the current Chinese teaching, the interactive teaching in Chinese classroom conforms to the requirements of curriculum reform and is conducive to the play of students' dominant position. However, as a new thing, it requires higher teaching conditions, and it also requires teachers to adjust their ideas, optimize their methods, give full play to their effectiveness and promote the continuous improvement of Chinese teaching.

**Keywords:** intelligent interaction · Chinese education · be online

## 1 Introduction

In Chinese teaching, it is one of the ways to carry out efficient and effective classroom teaching to carry out strategic research on building intelligent “interactive” Chinese practice activities, create an ideal interactive learning environment in various forms and rationally use diversified teaching methods. This paper explores the strategy of constructing “interactive” Chinese practice activities from the aspects of teaching objectives, teaching contents, teaching process and teaching relationship, with the aim of forming a dynamic combination, showing life and three-dimensional interactive Chinese teaching activity form through the dynamic interaction between teachers and students, between students, between teachers and students and between life, multi-channel and multi-level independent information exchange and independent emotional exchange. With the accelerating pace of informatization, the intelligent interactive teaching mode is gradually recognized and implemented. At present, it is difficult for Chinese classroom teaching to



**Fig. 1.** Interactive online Chinese education

meet students' demand for knowledge only by teachers' own teaching. With the help of high-quality teaching resources on the Internet, it has become a problem to be solved in Chinese classroom teaching to enrich the content and form of Chinese classroom teaching and make the teaching effect more obvious [1, 2]. As shown in Fig. 1.

## **2 The Benefits of Intelligent and Interactive Online Chinese Education**

### **2.1 Clever Use of Intelligent Interactive Teaching System to Optimize Classroom Teaching Methods**

In order to improve the effectiveness of Chinese teaching, the key is to make full use of the intelligent interactive teaching system according to the students' growth and cognitive laws, and enhance the intuition and vividness of classroom teaching. Intelligent interactive teaching system, with its comprehensive advantages and functions, simplifies complex knowledge, concretizes abstract concepts, makes boring knowledge interesting and visualizes profound truths. This change can not only fully tap students' subjective initiative in learning, stimulate students' strong desire for learning, but also keep them highly focused in classroom learning, thus effectively shortening teaching time, relieving students' learning burden, and further promoting students' Chinese learning efficiency.

For example, the ancient poem is one of Du Fu's quatrains with the most connotation and charm. In the learning process, students need to read it repeatedly to better understand the beauty of thought and artistic conception depicted by the poet. In this regard, teachers can use the voice interaction function in the intelligent teaching system to encourage and guide students to read repeatedly, help students understand the artistic conception of poetry, and on this basis, comment on students, affirm their progress, point out their shortcomings, and promote the continuous improvement of teaching efficiency. In a word, the implementation of intelligent interactive teaching system in Chinese classroom successfully combines listening, speaking, reading and writing perfectly, which not only helps to enrich students' language skills, but also helps students to feel the beauty of Chinese learning more deeply and promote the development of students' appreciation ability and understanding ability [3, 4].

## 2.2 Clever Use of Intelligent Interactive Teaching System to Create Intuitive Situations

Under the background of vigorously promoting quality education, paying attention to the cultivation and development of students' Chinese core literacy has gradually become a core goal of Chinese education. The basic premise of the formation and development of students' good Chinese core literacy lies in their love for China language, writing and traditional culture. Relying on the intelligent interactive teaching system to carry out Chinese teaching can create a comprehensive and intuitive teaching situation for students' Chinese learning, which integrates words, sounds, images and videos, and encourage students to learn knowledge in a more flexible and vivid language atmosphere and feel the profoundness and long history of Chinese culture. This not only helps to stimulate students' interest in Chinese learning, but also enhances students' national self-confidence and pride, which is also of great benefit to the development of students' comprehensive Chinese literacy [5].

For example, in the teaching process of *Dandelion*, teachers can use intelligent electronic whiteboard software to present the growth process of dandelion and the picture of seeds flying with the wind in the form of animation, so as to create corresponding classroom situations to make students feel the love and vitality of dandelion. Then use the function of electronic whiteboard software to design the interesting casting part of the textbook drama, so as to mobilize students' interest in participation and enliven the classroom atmosphere. In the process of understanding the content of the text, teachers can use the dragging function of electronic whiteboard to guide students to independently create situations such as dandelions falling into deserts and lakes, so as to bring students an immersive feeling, enrich students' learning experience, and enable students to give full play to their imagination in the situation of independent creation and cultivate their core literacy in Chinese. As shown in Table 1.

**Table 1.** Evolution of Classroom

Traditional classroom	Audiovisual classroom	Automated classroom	Wisdom class
Blackboard+chalk	Slide+Projection+Video Showcase	PPT+interaction	Internet plus classroom

### 3 Intelligent Interactive Online Chinese Education Application

#### 3.1 Make Full Use of Chinese Live Classroom Resources in Combination with Reality

The live classroom teaching is mainly presented in the form of video. Although the whole teaching process is relatively smooth, the main part of the classroom is still the students who are directly involved. Chinese teachers organize to watch the live broadcast, which makes students become indirect participants to a certain extent, which is particularly strict with students' basic requirements. For example, when organizing senior one students to participate in the live broadcast of the lesson, students should first know that this lesson is excerpted from Zuo's Commentary on The Spring and Autumn Annals. However, students' understanding of Zuo's Commentary on The Spring and Autumn Annals is relatively unfamiliar and needs to be told in detail. However, in the online classroom interaction, the students who directly participate in the classroom in the video know better than our students, which requires teachers to supplement the historical background of Zuo's Commentary on The Spring and Autumn Annals while combining the live classroom teaching, so that students can understand the genre, narrative content and its literary value of Zuo's Commentary on The Spring and Autumn Annals. Of course, we should let all students think about some important problems in classroom interaction, take notes on the process and results of the solution, make good use of intelligent interactive teaching resources flexibly and effectively, and strive to maximize the benefits of online interactive classroom [6, 7].

#### 3.2 Use Live Free Time to Strengthen Practical Training in the Classroom

The biggest highlight of interactive teaching is that students can synchronize with the live webcast. However, there is a lack of organization in the control of classroom training. When organizing students to attend live Chinese classes, it often happens that it is obviously unrealistic to let students memorize, read aloud and read in different roles. This requires teachers to organize students to carry out relevant practical training in time according to the classroom progress. For example, in the process of telling the essay Moonlight on the Lotus Pond, the time for live classroom interaction is very limited. Only when teachers use the free time of live class to organize students to read the text emotionally can students truly appreciate the beauty of the lotus pond written by the author [8].

**Table 2.** Chinese teaching interaction field

teacher	textbook	medium	student
teaching evaluation	Social life	Classroom voluntary	Teaching environment

### 3.3 The Organic Unity of Intelligent Interactive Synchronous Live Broadcast and Actual Classroom Practice

From the results of practice and the effects obtained from the research, in order for students to actively participate in the intelligent interactive online classroom without relying on the online classroom, it is necessary to combine the characteristics of Chinese classroom, strengthen classroom practice training, make the intelligent interactive synchronous live broadcast and actual classroom practice organically unified, and improve students' Chinese classroom learning efficiency in both directions. Specifically, students can preview the content in advance, sort out the problems to be solved in the classroom, and emphasize the important and difficult points in the classroom. The unresolved problems in the interactive live broadcast classroom are organized and guided by teachers in the practice session, and the teaching results in the practical training session are strengthened, so that students can digest what they have learned in the intelligent network classroom and Chinese classroom practice. As shown in Table 2:

## 4 Chinese Classroom Interactive Teaching Implementation Strategy

(A) changing teachers' concept and improving teachers' quality is an important prerequisite for implementation.

According to the requirements of the new curriculum reform, teachers are the leading factor in teaching, and so is Chinese teaching. This new role orientation requires teachers not only to design classroom teaching well, but also to organize the classroom well and serve students to learn effectively, which requires teachers more. It is necessary not only to change the concept of Chinese teachers, but also to change their teaching behavior, which requires teachers to make corresponding changes in their concepts and their own quality. In Chinese teaching, the interactive teaching in Chinese classroom, a new thing, first needs teachers' ideological acceptance, and then adjusts their teaching behavior according to their needs, that is, to improve teachers' comprehensive quality and meet this teaching demand.

Ideologically, Chinese teachers should seriously study the new Chinese Curriculum Standards and related documents about classroom interactive teaching, and combine them, especially how to integrate into the classroom under the guidance of curriculum standards and how to effectively carry out interactive teaching in the classroom. In terms of details, we should understand some new concepts related to it and be mentally prepared. In terms of teachers' quality, the implementation of classroom interactive teaching in Chinese teaching needs to further improve teachers' information technology ability, which is the basic guarantee for effective teaching activities. At the same time, teachers

need to further improve the pertinence of classroom teaching, that is, effectively cultivate students' ability to learn actively. In Chinese teaching, through classroom interactive teaching, teachers can teach, students can practice and teachers and students can evaluate together, thus improving the teaching effectiveness. Of course, this has higher requirements for teachers in preparing lessons, and the requirements for classroom control in classroom teaching are also improving. Teachers should constantly strengthen their awareness of learning and learn more relevant theoretical knowledge. On this basis, we will continue to practice and try, so as to continuously improve teachers' teaching ability and make full preparations for the development of interactive teaching in Chinese classroom.

(B) Strengthening information construction is the technical guarantee for implementation.

As an advanced form of classroom teaching, Chinese classroom needs to make full use of the space of cloud platform and online learning to push the learning content into the information-based learning system under the organization, guidance or guidance of teachers in the smart classroom built by the school. For example, teachers provide micro-lectures, timely training, feedback statistics, and then teachers focus on students' feedback, and then carry out training to realize the improvement of students' knowledge and skills, processes and methods, emotional attitudes and values. Only in this way can we gradually cultivate and improve students' core literacy of Chinese subject.

From this, we can see that developing interactive teaching in Chinese classroom has very high requirements for network, information technology and artificial intelligence, otherwise its wisdom and interactivity will be greatly reduced. Therefore, if we want to carry out interactive Chinese classroom teaching in Chinese subject teaching, we must strengthen the information construction of schools. First of all, it is necessary to ensure the stability, speed and smoothness of the campus network, which is the basic guarantee for Chinese teachers to communicate and interact with students in time in classroom teaching, and it is also an important channel for teachers to know the learning situation in time. According to the new trend of the times, it is best to access the 5G network. Secondly, we should prepare relevant equipment for students, such as tablet computers. The tablet computers commonly used by these students are regularly maintained to ensure the stability of their operation. Thirdly, establish a big data platform for teaching to ensure the timely presentation of data and provide accurate basis for teachers' teaching adjustment in the classroom. Finally, we should maintain the traditional multimedia teaching equipment, integrate tradition with modernity, and improve the pertinence of teaching [9, 10].

## 5 Conclusion

After the above explanation, we can see that the application of intelligent interactive teaching system in Chinese teaching is not only an inevitable choice for Chinese education innovation driven by the development of educational informatization, but also a necessary measure to follow the law of students' development and improve the efficiency of Chinese classroom teaching. In today's Chinese teaching practice, teachers should actively cater to the needs of educational development, innovate educational concepts

in time, follow the student-centered position, and make everything student-centered. At the same time, teachers should also pay attention to the clever use of intelligent interactive teaching system, stimulate students' interest in learning and activate classroom atmosphere with its advantages and functions, and strive to create an efficient classroom to lay a solid foundation for improving the quality of Chinese teaching.

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