https://doi.org/10.37420/j.cer.2020.017

Research on the Networked Development of Online Piano Teaching—With an Example of the "VIP Peilian" APP

Zhao Zixuan*
Inner Mongolia Normal University, Inner Mongolia,China
*Corresponding author, e-mail: 492180666@qq.com

Abstract: *Since 2017, online education has gradually entered the golden age. Based on the "Internet +" and the booming of knowledge economy, online education platforms spring up. In the current segmented and vertical field of online education, a number of excellent apps have gradually emerged, receiving fervid attention from the industry, capital, media, and the public. ‘‘VIP Peilian" APP is one of them, which can offer more complete auxiliary functions for piano learners and timely solve many problems whilst practicing piano. Therefore, this article describes the main functional characteristics, unique advantages of "VIP Peilian", and its practical application in sparring teaching.*

Key words: *VIP Peilian; Online education; Piano; Internet +*

Introduction

Since entering the 21st century, more schools at the national education level have attached great importance to children's music quality education. Parents, as the "first teachers" of children, have also paid more attention to the significance and importance of music quality education. At present, parents almost in every school and family consider how to get their children to learn one or more musical instruments from a young age. Of course, children receiving an early traditional music education can not only improve their aesthetic quality, but also play a subtle role in influencing cultivating surefooted, self-disciplined and hard-working learning abilities and attitudes.

As the “king of instruments", the piano has gradually become the enlightening instrument for most children. However, introductory difficulty makes many parents headache. In fact, the piano teacher's teaching in class is one hand, and the other is time and energy spent on practicing after class. The delicate combination of "teaching" and "practice" can really make learners play the piano well. Most parents can only supervise their children's piano process and practice time when they are practicing piano. They lose sight of whether the notes in the piano score are wrong, the correct posture of the fingers, and so on.

“VIP Peilian”APP

The "VIP Peilian" is a new educational product of the Internet era that combines traditional music education with a new generation of Internet education. At the end of 2014, a team consisting of Ge Jiaqi and his

https://doi.org/10.37420/j.cer.2020.017

partners, on the basis of the current Internet + and the emergence of a new generation of knowledge-based economy, developed a professional instrument training software based on the advantages of Internet communication and development. The APP currently has four online sparring courses for piano, violin, accordion and flute among which the demand for piano sparring in the four courses is the largest as well, accounting for about 80% of the overall sparring courses.

The APP uses online video one-on-one lessons to help students solve a series of piano training problems such as forgetting part music, wrong sounds, and incorrect rhythm patterns after the main lesson. At the same time, after the piano sparring course ends, the corresponding course unit information is shared and sent to the corresponding master lesson teachers. The master teacher can clearly understand the situation of each student's piano practice after class, and adjust the piano teaching plan appropriately. The combination of online piano teaching in the early stage and the sparring training of piano instruments in the later stage fully improves the learning efficiency of students.

Main features of the "VIP Piano Peilian" APP

"VIP Peilian" APP has been gradually optimized and improved since its establishment in 2014. The highlights are rich. The main features are as follows:

a. Online Teaching of Human Teachers

The "VIP Peilian" courses adopt an interactive teaching mode from human teachers, a fun and lively interactive classroom mode, and real-time interactive communication, effectively correcting the child's mistakes in the first time. The piano sparring teacher is equivalent to a communication bridge between the piano master teacher and the students. The characteristic and strength of the piano sparring teacher is mainly that it has strong guidance and companionship. The main function is to guide and assist students in practicing the piano, helping students to digest the piano music knowledge teacher's various teaching in a timely manner. Elementary pianists can easily develop a feeling of boredom and strong resistance when practicing the piano. If this strong resistance is not able to be provided with timely psychological counseling and effective communication, the child's career in piano music will most likely stop here. The timely appearance of the piano sparring teacher is to be able to soothe and manage the children's various resistances, to actively communicate with the children, to solve various problems in the process of learning the piano, to answer questions and doubts for the children, and to develop a thorough piano training learning plan and time arrangement.Such a mode of sparring allows children's various problems to be effectively solved in after-school exercises, and parents also have a peaceful mind.

b. Strict Selection of Professional Teachers

As the platform's piano art major courses are all taught online, the assessment and selection of teaching teachers has become particularly important. First, choose from a class of piano majors from music and art colleges nationwide, verify their valid IDs and other valid IDs to avoid fraud. Among the many qualified piano students, they are selected again through interviews. Second, the platform will provide students with six special training after the interview: curriculum design software skills training, discourse skills training, course method and teaching ways training, communication and skills teaching method training, child psychology

https://doi.org/10.37420/j.cer.2020.017

skills training, and on-boarding system management training. They can only be formally employed after the results of the special assessment reach the standard. And after taking up the post, strengthen the teacher's problems and weaknesses that have been exposed during the class every second 15-20 days . Teachers who fail the special training will be automatically eliminated.

c. Low Cost of Online Teaching

Online teaching can reduce the extra burden of parents to the greatest extent. The average tuition fee for offline sparring piano courses ranges from 100-200 yuan, and the class time is about 45 minutes to 1 hour. Coupled with major courses, it takes about 500 yuan to pay for piano training every week. On the APP, however, the cost of a 50-minute course ranges from about 50-70 yuan, and the corresponding discounts or free services are provided according to the duration of the course registration.

d. More Convenience by Online Teaching

Online teaching fully breaks the constraints of time and space. Every student's parents will be matched with a class teacher to provide one-on-one service to interpret various problems. Parents are given more initiative in the choice of course time. Parents can decide the weekly piano sparring course schedule according to the child's learning progress and main lesson time. The 50-minute course can be split into two lessons. According to the statistics of NetEase Education as of the end of 2019, the APP has more than 30,000 full-time professional sparring teachers in the construction of the teacher team, which fully breaks the singleness of traditional offline teacher selection and facilitates the selection of suitable sparring teachers for parents and piano children.

The Unique Advantages of The "VIP Peilian" APP

Universal coverage of terminal equipment

With the gradual popularization of smart phones, the "VIP Peilian" APP has two versions of IOS client and android client. It meets the needs of different types of mobile phone users. Besides, the IOS client has been able to integrate with IPAD through continuous system upgrades to achieve mobile phone and IPAD two-way terminal coverage, offering convenience to parents and teachers. The perfect construction of online teaching builds a bridge for parents, students, and teachers to communicate with each other and makes it more convenient to use.

Rich and convenient music materials

If a worker wants to do his work well, he must first sharpen his weapon. The "VIP Peilian" APP possesses its own piano score library. In its own score database, the textbooks and bibliographies for piano grading have basically achieved full coverage of the electronic version. The electronic version of the Chinese Conservatory of Music piano examination, the electronic version of the Shanghai Conservatory of Music piano examination, and the textbook of the Emperor College of Music have been listed among them; there are many classic piano grading etudes such as: training fingerings of Hanon piano, basic tutorial of Beyer piano,

https://doi.org/10.37420/j.cer.2020.017

Czerny 599, etc, which are all free for students to view and use at any time. For textbooks and bibliographies that have not been found, students can also use the mobile phone to take pictures or upload the score search function at any time. The background teacher will update and perfect their score database in time according to the score keywords.

The electronic version of the sheet music is more convenient for teaching work, saving time and effort and improving classroom efficiency. During teacher training, both the teacher and the student's terminal will display the currently learned sheet music. When students make mistakes, the teacher can mark simple circle points in the course, and students can see in time when errors are circled, which greatly improves the completion rate of the course.

In the APP "Music FM", music-related small knowledge, music, and music author introductions are updated every day. In addition to students' piano practice, they can enrich their music knowledge and increase their interest in piano practice. Parents and students listen to "Music FM" together, which provides convenient conditions for establishing a good parent-child relationship.

"Eagle Eye"

When conducting online training in piano lessons, in order to make it easier for teachers of piano lessons to observe students at any time, a "Eagle Eye" lens will be included as a bonus after choosing a piano lesson. The teaching lens is small in size, relatively light in weight, and has a wide range of visual observations. After the piano lesson has started, piano teachers and students can use the IPAD screen on their mobile phones or computers to do it from different angles above the keys and left and right observed. In the course of piano practice, the piano teacher can correct the wrong fingering and hand shape of the piano sparring students at any time.

The most worrying problem of online teaching is that teachers can not intuitively discover the subtle problems of students while playing the piano, which leads to omissions. With the participation of the "Eagle Eye Lens", it is possible to make up for such problems, clearly observing the students' mistakes in playing the piano and correcting timely.

Real-time online interaction between teachers and students

After the sparring course begins, students and teachers can interact and answer questions through the microphones and cameras of their clients. When a student plays a piece of music, the teacher will draw an error sound in real time on the score displayed by his client. Weak links will make corresponding assaults to guide students to strengthen the wrong place. At the end of the course, teachers will sum up the questions in the entire work to ask questions, in order to achieve the effect of deepening memory. Students can also ask the teacher questions if they don't understand when they play. Convenient online interaction improves practice efficiency and enhances communication between students, parents and teachers.

Summary and feedback after class

The teacher will save the course feedback list in the client after each lesson. The course feedback list includes

https://doi.org/10.37420/j.cer.2020.017

not only the evaluation scores of the students' pitch, rhythm, proficiency, and completion, but also a complete record of the class course evaluation, several problems solved, wrong scores marked. After class, students can pay attention to their mistakes and practice more according to the feedback form. Parents can learn the status of their children's practice through the uploaded course feedback form. The main lesson teacher can use the course feedback form to formulate teaching plans in different periods to clearly understand the students' problems after the main piano lesson and the sparring lesson.

Conclusion

According to Marshall McLuhan, the founder of communication, media is information. It is not the content that tells people to have a really strong impact, but the media itself. As a new type of media, the Internet has also brought great impact on education. Therefore, the "VIP Peilian", which is an online music education APP, emerged at the right moment based on the Internet. For the many problems exposed in the traditional offline piano sparring lessons, the "VIP Peilian" APP has been given more development space.

The cross-boundary integration of the Internet and online music education has broken the management and service boundaries of traditional education institutions and organizations. The relatively conservative music education in the past and online service system begin to gradually emerge as a collaborative structure. The development of online music education brings together more resources, human and material resources, and richer learning resources. It provides a new model and division of labor for the deep integration of "teaching" and "learning", allowing more students to obtain a timely learning experience and receive good feedback. The "VIP Peilian" APP under the Internet + online music sparring education model is in line with the rapid development of China's modern online society, which not only has great practical significance for parents and our children, but also for future online. The emergence and development of music education has more directional significance.

References

Yang, Z. (2010). Research on the Teaching Mode of Music Appreciation in the Network Environment. *Sichuan Drama*, (04).

Jin, J. (2015). Application of multimedia and network technology in piano teaching and performance. *The House of Drama*, (20), 101.

Wang, W. (2013). Piano Teaching in the Network Age. *Ability and Wisdom*, (14), 32-33.