An Optimized Ability Model Construction of Skill Training in Piano Performance Teaching

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Abstract
The application of multimedia and network technology in piano teaching plays an important role, advanced network technology and multimedia help to improve students' understanding of piano performance. In this paper, the author analyse the optimized ability model construction of skill training in piano performance teaching. The multimedia technology has realized the piano playing knowledge and skills more vividly, and the network forum has become a platform for people to learn and exchange music, and the sharing of learning resources has been realized. The training of rhythm and strength in piano training can enable the performer to play the music’s different rhythm melodies, so that the whole piece has a strong impact on the audience.

Key words: Online course, Multimedia technology, Piano intensity training, Network resource

1. INTRODUCTION

In piano playing, should continue to improve through rigorous training, to form scientific training requirements, which for the piano training is the important guarantee of continuous improvement, although the content of piano playing style a lot, but it is playing out by human hands. The piano is an artist to express the inner feelings and form a tool to praise the artistic sentiment, they passed on the piano to describe their feelings, internal performance by playing out the music to touch the art, which gives people a better visual effect can play in the process, if there is no better playing skills or lack of expressive force, even if there is deep soul thought, it is also hard to find the soul of the world tool used to represent or channel, therefore, the piano has higher requirements for its inherent differences and playing skills, performers and ordinary people is not only has the extraordinary artistic talent and that under certain conditions is not enough, should also have strong playing skills. With the rapid development of computer technology, the combination of computer and music is increasingly close, with the use of computer electronic synthesizer and other musical devices came into being. Computer music software is a great variety, everything, and more and more perfect and powerful function. MIDI equipment, computer and music software combination, constitute a more powerful than the MIDI system function of the computer music system Since then, the computer music in radio and television, music recording, music performances, and other fields are widely used, has played an important role. Also get attention and applied widely in the field of music education in computer music, music colleges and normal music department began to use computer music system for teaching, creation and research, some colleges have computer music lessons or minor.

Multimedia music teaching system is the combination of multimedia computer and computer music system. Piano teaching, as an important foundation of music specialty in Colleges and universities, pays more attention to emotional input, spiritual communication and aesthetic cultivation while training students' playing skills. Piano education in Colleges and universities is not only the education of skills, but also the education of emotion. At the same time, the aesthetic process plays an important role in cultivating the students' sentiment and improving their artistic accomplishment. However, for a long time, the piano teaching in China has deviated from the goal of education and law in college students who laid the traditional education theory and the way of the brand, heavy skill, light emotion; heavy theory, light practice; light weight graduation, experience, etc.. Piano teaching as a training course in basic education in music ability of students, knowledge, skills, artistic, aesthetic and practical in one, to improve the overall quality of students, cultivate students' music can play an important role. Under the network background, it is the responsibility of the piano teacher to innovate the piano teaching mode, reverse the disadvantages of the traditional educational model, and train the comprehensive music quality of the students.

2. MULTIMEDIA MUSIC TEACHING SYSTEM

Multimedia music teaching system is the combination of multimedia computer and computer music system. The system combines the multimedia information processing function of the multimedia computer with the music equipment and music software, and displays the contents of the music teaching in an intuitive, specific and visual way. Application of multimedia music teaching system for teaching, management and other activities, can significantly improve the quality of teaching and work efficiency. Multimedia music teaching system equipment can be divided into the following types: Computer: multimedia computer (including the sound card,

Figure 1. Multimedia music

1) Multimedia computer: multimedia computer can handle the text, graphics, images, sound, animation and movies and other media information, you can convert the information into digital signals and edit and modify.
2) Projector (or large screen color TV): the computer screen on the contents of a clear, large screen display, so that more people can see at the same time display a variety of text and image information on the computer screen.
3) Big screen: hanging on the wall of the classroom, used to accept and display projector projection of the image signal.
4) Video display: you can send books, pictures, pictures and real image information directly to the projector or large screen color TV shows; you can highlight and enlarge the local image according to the needs.

Sequencer software is the most commonly used music software, it can play all kinds of music data recorded into the computer, and then edit, delete, modify, shift splicing, generation of these data, then the data replay sequencer software similar and multi-track digital recorder. The most famous sequencer software is Cakewalk, using Cakewalk sequencer software for music production, digital recording (hard disk recording and audio editing). Can use it to assist the teaching of composition theory, assisted music creation, etc.. The tone editing software is divided into the tone database, the synthetic software and the sampling waveform editing software. Timbre synthesis software is to turn the synthesizer or sound timbre synthesis parameters on the computer to make software, data processing and graphical way to adjust the parameters of instrument, the synthesis of new timbre. Sampling waveform editing software is an electronic instrument with RAM waveform sampler or the use of the software, it is mainly through the waveform data MIDI line input sampler, and then edit it, new timbre synthesis.

Figure 2. Sequencer software
Multimedia music system brings great convenience to music creation and music composition. In the past, the auxiliary instrument is mainly piano music creation, both vocal and instrumental works, or solo and ensemble music, was first played on the piano, audio-visual effects. To the piano as the auxiliary instrument is convenient, but it is hard for them to play music, such as complex texture and figuration, the piano is also difficult to do. In addition, the work of the requirements of the tone can only rely on auditory imagination to add. It is difficult for an ordinary music worker to turn the composer's creation from the music into the actual sound, and also need to organize a series of complex work, such as band, rehearsal, and sound recording. With the computer music system, not only can solve the above contradictions, but also has more superiority.

First of all, from the music imagination, the synthesizer provides a variety of musical instruments in a variety of different styles of timbre, rhythm, drums, music, which can stimulate inspiration, arouse the function of imagination, can even provide creative material. From the creation of the control means, the composing is no longer stay in piano and music, but the musical ideas generated by one, can be directly into the sound, and stored in the sequencer, if necessary at any time, change notes, additions and deletions speed, strength and so on, can choose to listen to any one voice or overall effect. The use of real-time recording, can make the recording of the performance of real, delicate, vivid. The use of step recording method, you can separate the pieces of difficult to play, step by step entry, even if the keyboard is not proficient can also be music creation. From the creation process, it set the creation, performance, command, recording in one, reducing the intermediate links; music creation process is the production of music, recording process.

3. COLLEGE PIANO TEACHING REFORM

3.1. The shortage of traditional teaching mode

The process of teaching is mainly divided into the teaching of teachers and students' learning. Only the effective combination of the two can achieve the real purpose of teaching. Because the students' Piano knowledge basis is different, resulting in the process of teaching activities, the basis of poor students too much, interest in learning; basic good students think knowledge is too simple, disdain to seriously study. In fact, the current teaching objectives of piano teaching in universities are vague, and the phenomenon of heavy skills and light quality is serious. In the course of teaching, teachers require students to practice their repertoire and skills, and it is difficult to take care of every student. And students feel that the basic skills are boring. They are only satisfied with the repertoire, and should deal with the examination of the repertoire. The teacher did not according to the difference between students and students, different environment, ability to develop the piano teaching plan, which makes the piano teaching mode and other non professional art teaching mode is similar, the unique attribute cannot highlight art teaching.

The teaching content is single, lack of creativity, at this stage of the piano teaching in some Colleges and universities focus on training students in piano playing skills, for example, pay more attention to the exercises can play to299 or 740, Czerny music can practice a few levels, unilateral pursuit of playing skills improve, ignoring the practicality and creativity of students playing skills in real life, leading to some outstanding students from playing skills and real life, social demand and can not be a simple accompaniment, unable to adapt to the social aspects of accompaniment needs.

The examination methods are single and lack of scientific. At present, the piano teaching in our country generally exists the phenomenon of eager for success. Teachers ignore the cultivation of students' creative ability, and blindly encourage students to take part in competitions and grade examinations related to piano. To succeed in teaching not only can not really test students' mastery of the knowledge, but also mislead the students just to participate in the competition for the certificate, so that a lot of students gradually lose interest in learning the piano, lost the passion and creativity in music, which deviates from the fundamental goal of teaching.

3.2. Effective piano teaching mode under the network background

The rapid development of network technology provides a new platform for Piano Education in Colleges and universities. In view of the shortcomings of the traditional piano teaching model, teachers can make use of the advantages of the network to create a new piano teaching mode, and then enter the era of piano teaching information.

(1) Using Internet resources to innovate piano teaching methods;

The main teaching goal of college piano curriculum includes: let students understand the development history of the development and evolution process of the art of the piano, piano and piano basic theory and basic knowledge, master the basic method of playing the piano and playing skills, can play music and accomplishment of moderate; pay attention to the cultivation of students for a song with a piano accomplishment ability; combined with the vocal music teaching, so that students have the ability to sing, with understanding, analysis and appreciation of piano music works and playing style ability, able to accurately show the piano music works; to enable students to master the basic method of piano teaching, can do basic piano teaching, primary and secondary schools can organize extracurricular music activities. Therefore, teachers should abandon the
traditional idea in the process of carrying out the piano teaching activities, to carry out the new teaching mode, the introduction of advanced network equipment’s and rich cyber source, providing relevant piano curriculum resources for students, such as information recording, music appreciation, video, 3D animation, real tests. Lively, vivid and interesting teaching through a variety of teaching resources of the network, so that students can repeatedly watch, with the breath of the piano in the network environment, stimulate their interest in learning the piano, so as to effectively carry out the work of piano teaching.

(2) Using the Internet environment to innovate piano teaching methods

Set up piano education website and teach piano to students. Students can access the website through the campus network, effectively use the network information resources to achieve communication, and achieve the purpose of network resources for students. By sharing the website, teachers will share some excellent videos, piano competition information and teacher comments on the piano teaching, so as to help students open their minds and improve their musical accomplishment. For example, in the teaching of piano music appreciation, teachers can complete the course in teaching, sharing some excellent music works through the website, encourage students to feel the charm of analysis works, works of music. For example, let the students appreciate the video clips of pianist Shi Shucheng’s "C minor Etude" and the Croatia piano player, and share the insights in the continuous sharing and contrast, thus enhancing the art appreciation. Through the establishment of the piano knowledge exchange website, this way will not only enable students to learn piano knowledge, but also improve their appreciation of the music works and artistic taste.

(3) Using Internet media to innovate piano teaching passion education;

Interest is the best teacher. Want to let students genuinely love music, love the piano, to effectively use the existing network technology to stimulate students' learning interest and learning enthusiasm, to change the cramming teaching mode of heuristic teaching, to stimulate students' initiative potential. In the background of rapid development of the network, the introduction of network multimedia video teaching method in classroom teaching is an effective exploration to arouse students' enthusiasm for learning and stimulate students' interest in learning. For example, for Piano abstract features, teachers can combine internal emotion network multimedia pictures, sound and video directly to the students on piano playing it, let the student obtain the auditory beauty and implication of double feelings. Teachers can also set a number of similar style to the piano repertoire, leading students to access and search relevant information through CNKI, etc. its cyber source media, let the students through the analysis of the tonality, musical structure, harmony and emotional connotation of autonomous learning.

(4) Integrate the network with the real life, and cultivate innovative talents in an all-round way

Through the network platform, we could guide students to understand vocal music and dance accompaniment music, so as to maximize their personal music creativity. In addition, in the foundation to help students build rich representation reserves, should encourage and guide students to re-design a network of well-known music image, according to the modern life and aesthetic needs re interpretation of works or the creation of new works, according to the hearts of the good sound quality, tone, melody judgment standard, based on faithful to the original works, adaptation and development of image properly. In this way, students can not only learn in the network environment, can be more innovative and effective use of resources for the society, a
variety of cultural activities, interpretation and creation of good works, to become innovative talents, so as to promote the development of China's music career.

Figure 4. Network music platform

4. TRAINING METHODS OF RHYTHM SKILLS

The piano playing process is not only a means of artistic performance, but also a process in which the performer and the music realize the resonance. In this process, the player's inner feelings can give music soul, and the rhythm master often can give the piano music strong and powerful pulse. The music played by the performer, accompanied by his own rich emotion, is also mingled with the inner resonance of the music writer. Good grasp of rhythm, often can make the entire piano playing music for people with shock, can more truly show the inner real emotion and thought music composer to us, so as to realize the author and communicator, audience by playing music. Therefore, it is very important to grasp the rhythm of music in the process of playing the piano.

Figure 5. Piano intensity training

In the process of teaching in piano, we can tune the rhythm factors singled out to practice, the notes of nodes with a rhythm, clapping or metronome percussion method, accurately knock out these nodes from the relevant features and make students to experience the fun and rhythm the existing rhythm training process in the. The students to master the skills of rhythm still lack a certain basis, we can carry on the two to three rhythm exercises, which is hands with each beat, hit two left hand, right hand at the same time from the three, and then exchanged hands. Through this rhythmic exercise, it can effectively strengthen the students' ability to grasp the rhythm of the node. By using speed rhythm ability in training, teachers can guide the students trained by hand tapping the desktop, you can through the medium speed, fast and slow three speed and special speed rhythm training for the students, and enable students to master the use of rhythm.

The intensity of training, is playing the piano in the process of playing piano training for the control volume, the player control for the intensity and volume of degree, are often able to play music directly to empower. The performance of piano is closely related to the author's own thoughts and the inner feelings when composing music. The piano player on the piano through the control efforts, not only make the music taste become more abundant, but also can be the connotation of music itself more perfect show to the audience, so that the whole process of playing piano to become more contagious and shocking. For piano, playing on the change of intensity can often make the whole show process reflects the different artistic elements, such as or as capable of releasing a powerful Ten thousand steeds gallop., emotional energy to the audience. At the same
time, through the change of the performer's strength, the piano performance can also effectively express the writer's very complex and delicate inner emotion and psychological activity, such as sigh, smile, warmth, joy and crying. With the change of the player's efforts, the piano can also play the piano often mountain, ethereal ethereal mood and feeling, let people can appreciate the artistic conception in feel like living in a wonderful nature of change. Piano playing is the myriads of changes, the fundamental reason is the strength of the player control, the control strength of ability and skills can make the form of music unlimited expansion, coupled with the players own imagination, the music can be full of infinite possibilities.

5. CONCLUSIONS

The piano playing skills in art often pay more attention to some things outside, such as fingers speed, rhythm and strength; the rhythm and intensity of training, often can make the player can play the music just perfect the order of priority in performing the actual process, so that the whole song produce strong action to the audience. With the continuous development of network information technology, the network has been widely used in various fields of society. Practice has proved that in the network context, a variety of network information technology applied to the field of teaching, can improve the quality of teaching in a comprehensive way. Piano Teaching in Colleges and universities is a compulsory course for music majors in Institutions of higher learning. It plays an important role in improving students' comprehensive quality and developing their musical ability. Therefore, it is necessary to carry out a comprehensive and thorough reform of the piano teaching mode, and apply the network resources for teaching, so as to improve the professional quality and level of music majors in universities.

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