

Research on Effective Teaching Methods of Chorus and Conductor Based on Multidimensional Perspectives

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Abstract: Chorus is a performing art that sings multi-part vocal music works. It is accepted by all walks of life with its unique artistic form. It is also one of the most popular and widely participated music performing forms. Setting up chorus and conductor courses in colleges and universities is not only conducive to improving students' music quality, but also will vigorously promote the development of chorus in our country. In chorus and command courses, colleges and universities should take students as the center and use the method of combining classroom teaching with extracurricular grouping training of students. With the progress of the society, the knowledge structure should be expanded in the study of professional skills, and the chorus and command teaching in Colleges and universities should promote the construction of community chorus culture. Music Majors in Colleges and universities have become the new force in Chinese Chorus groups. The improvement of chorus and command teaching must start from strengthening education. Based on the analysis of the characteristics of chorus art, this paper puts forward the reform measures of chorus and command teaching methods in Colleges and universities.

1. Introduction

Chorus is a performing art that sings multi-part vocal music works. It is accepted by all walks of life with its unique artistic form. It is also one of the most popular and participatory forms of music performance [1]. Chorus is one of the most convenient artistic forms for people to master, understand and use in the whole music art field [2]. Chorus art is also the highest expression form of vocal music art because it contains all the singing range and vocal skills of human voice, and can sing complete harmony and polyphony. In China's higher education, the importance of chorus and command teaching in art education has not been paid enough attention, and the requirements for chorus and command teaching in social life have not really been realized [4]. Music majors in colleges and universities have become a new force in Chinese chorus groups. The improvement of chorus and conductor teaching must begin with strengthening education [5]. Chorus and conducting are very important courses in college art education. First of all, it is directly related to the improvement of students' music quality, and it is also related to the problem of improving the student's civilization [6]. Curriculum is a carrier that reflects educational thoughts and educational concepts in a concentrated way, is the path to achieve the goal of post education, and is the basis for the operation of teaching activities.

The expansion of choral conductor teaching is an extension of the overall quality of the choral conductor specialty. With the progress of society, it is necessary to continuously expand the knowledge structure in the study of professional skills, and college chorus and conductor teaching must promote the construction of community chorus culture. As a type of higher education development, the goal of higher education is to train high-skilled talents that meet the needs of production, construction, management, and service for the national and local economic development [7]. When we implement a specific music teaching process, we must clearly define the purpose of college chorus and conductor teaching. In addition to cultivating students' chorus skills, they also need to train students to have the ability to engage in youth choral organization training and conduct mass chorus guidance after graduation [8]. The opening of chorus and conducting courses in colleges and universities will not only help improve the musical quality of students, but also vigorously promote the development of China's chorus career [9]. The development of choral

music in China started relatively late, and the education system is relatively backward. Only by absorbing foreign advanced teaching experience, combined with the actual teaching situation in China, can we formulate a strategy suitable for the development of choral education in China [10]. Based on the analysis of the characteristics of chorus art, this paper proposes reform measures of college chorus and conductor teaching methods based on a multi-dimensional perspective.

2. The Basic Characteristics of Chorus Art

Chorus is a collective vocal music activity with rich expressive force. Chorus activity has a large number of participants. After the reform and opening up, China's education has accelerated. Chorus and conducting music education have received much attention from education departments and all social strata. The design and implementation of choral and conducting courses is to enable students to have a rich perception of choral practice, understand the basic teaching standards of choral, and lay a solid foundation for students to engage in choral teaching after graduation. Judging from the development of choral singing, the formation of choral singing forms is gradually formed by combining with the needs of expression and the possibility of vocal expression [11]. At present, in choral conductor education, the orientation of choral conductor course lacks reasonable training objectives, and the music talent training system of choral conductor course lacks weight analysis. At present, music colleges and universities often pay more attention to students' performance ability in teaching. Normal colleges and universities focus on training students' teaching skills. Some people say that chorus is the art of chords, because the acoustics produced by multi-part chorus are very harmonious and have three-dimensional effect. Art colleges and universities shoulder the important task of training chorus conductor music talents. They require students to master the characteristics and training methods of chorus and conductor, and can use visual and heuristic teaching methods to achieve the goal of chorus conductor teaching.

The majority of choral conductor students have good results in their study of harmony theory. However, it seldom plays a role in practical application, such as the adaptation of choral works in choral conducting exercises. The original audio file is in time-amplitude format, and the data content is too large. The audio file is converted into frequency spectrum, that is, the time domain is converted into frequency domain, and the frequency spectrum of the audio file is obtained for research. It is also effective to use scales to train the consistency of left and right hands. The flow of realizing this function is shown in Figure 1.

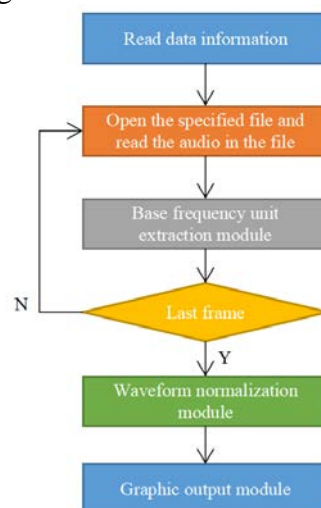


Figure 1 Process of extracting pitch time features

No matter whether the notes go down or up, as long as a series of notes with the same direction appear continuously, an upward or downward melody line can be generated, and we think that the evaluation value is higher. The average fitness function of the system tends to be stable, and it has little significance to optimize the music after iteration, and the number of children at this time is also relatively greatly reduced. The assignment of melody weights is shown in Table 1. The

relationship between melody weight and melody trend is shown in Figure 2.

Table 1 Melody weight data

Same melody trend	Melody weight
3	0.95
5	0.85
7	0.75
9	0.65
11	0.55
Greater than 11	0.45

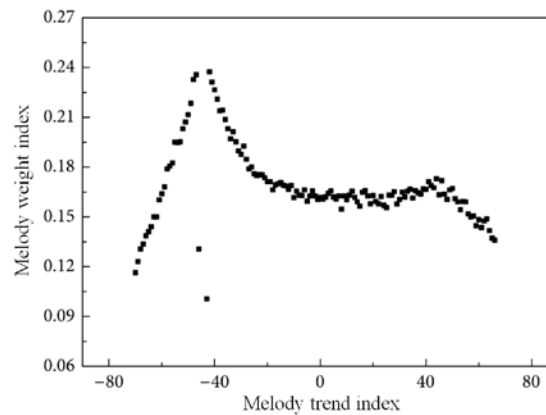


Figure 2 Relationship between melody weights and degree of melody trend

Chorus can also cultivate singers' sight singing, multi-part listening and multi-part musical thinking. Chorus performing arts should conform to the logic of performing arts and be closely connected with stage practice, so as to give full play to the practicality of chorus. The purpose of music education major in colleges and universities in our country is to train music teachers who can adapt to the needs of primary and secondary education and have strong practical ability and higher adaptability. Chorus is not only a harmonious group art, but also a multi-voice art form, which requires players to have good multi-voice sight singing and listening. The chorus has more than two voices that match and contrast with each other to sing. The lack of perfect teaching materials for chorus and conductor is a criticism in music colleges and universities. Teachers in colleges and universities often teach according to their teaching experience. In chorus teaching, the teaching methods are not unified, the command actions are not standardized, and the teaching effect is not ideal. On the basis of scientific singing and vocalization, strict and orderly choral vocalization training and conducting rehearsals of choral works can effectively improve students' professional skills and music literacy and better meet the job requirements of primary and secondary school music teachers.

3. Effective Teaching Methods of Chorus and Conductor Course

3.1 Setting up Scientific Chorus Teaching Concept

Chorus teachers should be based on the future and have the concept of humanistic care. In the process of teaching, teachers should be changed as the main body, students' active participation should be emphasized, and students' aesthetic experience should be emphasized. Excellent chorus conductor is very important to chorus, conductor is the soul of controlling chorus, excellent conductor must have high artistic accomplishment and personal charm. At present, the demand for chorus conductor is increasing, but there are only a handful of conductors who are really qualified to train chorus. In command teaching, multimedia teaching can be fully used to present the theoretical knowledge of command, command schema, rich spectrum and music materials in courseware. When conducting choral works, the content and emotion are very rich. The conductor should express the works through gestures and expressions. Singing requires a relaxed state, which

should be adjusted according to the actual situation in rehearsal. Only in a relaxed and comfortable singing state can the melodious timbre be sung.

3.2 Adopting Flexible Teaching Methods

A good conductor should have good psychological quality and communicate with choir actors through skilled conductor skills. For example, the lack of good psychological quality will directly affect the performance effect. As the organizer of chorus teaching in colleges and universities, teachers should first have scientific educational ideas with humanistic spirit. All teaching methods are means and media, the aim of which is first to establish correct emotional attitudes and values for students and realize the quality education goal of aesthetic education [12]. In the teaching plan of chorus and conductor, the proportion of class hours for general teaching and practice is roughly the same, but in the actual teaching practice is to let students come to Taiwan to conduct. Chorus is different from solo, it is a group art and multi-voice music. Soloists often require their own characteristics, such as sound quality, timbre, skills and expressiveness. A large number of choral works, ancient and modern, Chinese and foreign, are the crystallization of human music, art and culture. Their beauty in content and form must be reflected through singing. For students, in fact, the most difficult thing is to organize and rehearse, to train students' leadership and organizational skills, and at the same time to do humorous talk and control the progress during rehearsals. In the process of rehearsing and performing these music works, students should use rational and perceptual knowledge to solve a series of artistic and technical problems and recreate them on the basis of understanding music.

4. Conclusion

Chorus education in colleges and universities is an important part of choral music. The development of choral education in colleges and universities helps to improve the cultural quality of the whole people. With the continuous improvement of people's living standards and the demand for spiritual culture, the society's demand for chorus conductors has greatly increased. China's choral conductor has a short history of development, so it is of great significance to strengthen the research on choral conductor education and teaching to promote the development of choral music in China. Chorus and conductor courses in colleges and universities should start from the characteristics of theory to practice in teaching content, and adopt a change from single skill training to comprehensive training. Students with interest in learning, motivation to work hard, and goals to strive for will take the initiative in learning choral singing and conducting courses. In the process of rehearsing and performing these music works, students should use rational and perceptual knowledge to solve a series of artistic and technical problems and recreate them on the basis of understanding music. In view of the current problems in chorus conducting teaching in Chinese universities, we should further improve teaching methods, establish scientific and standardized teaching methods, and promote the continuous development of chorus conducting in China.

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