

# Promotion of Chinese Reading Comprehension by the Matching of Music Background

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## Abstract

**Music is an art that conveys people's thoughts and feelings with beautiful sounds, and is also an artistic expression of human emotions and spiritual life. Music is an important guarantee for maintaining vitality and intellectual development. Music education has a positive effect on intellectual education, can fully mobilize and develop students' various potentials, can exert their creative talents, and music education should also change the traditional teaching model, and should develop diversified teaching and innovative performance models. Reading, as one of the important contents of cognitive activities, is an important part of the cognitive development process. Reading under background music is a process in which the acoustic elements in music and the visual elements of text are integrated. This paper argues that when the acoustic properties of music or the properties of visual text materials change, the mechanism and results of the two effects may change, Different effects.**

## Keywords

**Music; Music education; Background music; Chinese reading comprehension; Promotion.**

## 1. Introduction

Musical background can affect the possibility of curriculum teaching or learning.[1] (Duan Yueyi, Chen Lei, 2020) analyzed the existing problems of current music education, and studied the influence of Western music on Chinese music education from the perspective of American country music. The analysis has modern characteristics Through detailed analysis of the book and case studies, the Chinese music education mechanism confirmed that the artistic characteristics and development changes of American country music are a meaningful reference for current music education. The study of American country music can improve music education Innovation and value vitality. [2](Zhang Chunyi, 2018 Issue 4) I noticed the style of school notation that appeared in the middle and late Southern Song Dynasty and entered the music category, and discussed the relationship between this style and the rise of the Southern Song Dynasty Elegance School. The article analyzes in detail how the "halal notation" compiled by the Siming historian became the "stimulant" for the transformation of ci style in the middle and late Southern Song Dynasty. The author concluded that the combination of music background and ancient music scores can create more learning possibilities.[3] (Pan Ying, Ding Yanhong, 2013) combines the teaching practice of moral education and etiquette courses, and summarizes four effective ways to use music background to enhance students' interest in learning moral education and etiquette courses and teaching effects. [4](Li Jun, 2009) Take the background music of "News Network" as an example. The author believes that the music background has sublimated emotions in the display of news, rendering the environment, and giving full play to the auxiliary role. It perfectly combines the music with the TV screen and the commentary. Together, it can fully reflect the value of music as an artistic means in TV news.[5] (Sui Tiankai, 2020), "Music Education in General Colleges and Universities" discusses three parts: constructing a music classroom system, highlighting the creative and humanistic connotations of music education, and innovating the practical mode of music teaching in

general colleges and universities. The author's point is that the establishment of music courses in ordinary universities is not to cultivate talents with professional music skills, but the main value is to promote the unity of art and science.

Reading comprehension is an important field of cognitive science research and an important content of language education. The process of reading comprehension needs to continuously recognize, analyze and infer the input text information. In this process, in addition to language knowledge stored in the brain to help understanding, world knowledge or environmental information other than language will also participate in the process of reading comprehension [6](Wang Ruiyun, Wang Dazhi, 2004; Fu Xiaohan, 2018).

Due to the different age, music preference, music experience and type of intervention, there is no clear standard for the effect of background music [7](Pelletier, 2004). Sometimes background music is beneficial, sometimes harmful, and sometimes does not affect behavior, cognition and emotion. Therefore, the conclusion of 'Zero Effect' published by [8]Behne (1999) in Germany can't be interpreted as "no effect" of background music. 153 students participated in Behne's groundbreaking study. The effects of background music and non-musical behaviors were analyzed. The subjects' behaviors were observed in schools, workplaces and public places (such as airports, shopping malls and banks), respectively. This study did not include the impact of focusing on music, such as attending concerts, participating in music therapy, or watching related music videos and the clinical research and physiological measures are also excluded. The conclusion is, in general, the influence of background music on daily behavior can be ignored, if there is an impact, it will also be reduced with time because of habit.

[9]Patston and Tippet (2011) selected 36 music experts and 36 non music experts to test the visual space under the condition of no music and piano music respectively. The results show that the performance of music experts with background music is worse than that without background music. While in visual space tasks, background music has no obvious impact on music experts, music experts have better executive ability, cognitive ability and processing speed than non-music experts when completing these two tests. Other studies have shown that people with music training have significantly higher reading comprehension than those without music training.

[10]Farnham and Bradley (1997) conducted an experiment on the influence of pop music on memory and reading of introverted and extroverted people. 20 college students participated in the GMAT based reading comprehension experiment, including 10 introverts and 10 extroverts. They played streaming music while doing reading comprehension, and completed 6 multiple-choice questions in 10 minutes for short articles of about 400 words. In the memory test, according to the British scope of competence test, 20 pictures were selected and observed for 2 minutes. The pop music was played while recognizing. In this test, background music has a negative effect on memory, and the reading comprehension accuracy of extroverted students is significantly higher than that of introverts.[11]Hall (1952) in the study of the influence of background music on reading comprehension of eighth and ninth grade students showed that, through the test of 278 senior high school students, more than half of the students improved their scores under the premise of background music, and the average number of boys' score improvement was higher than that of girls'.

## 2. Method

### 2.1. Participants

Randomly select 100 college students from ordinary universities, both male and female, with an average age of 20-22 years old, with normal or corrected vision, and all preparations are in Chinese as their mother tongue.

## 2.2. Materials

Reading materials: Five humanities and social reading comprehension articles are selected from the college entrance examination simulation questions, each with 300 words. Music graduate students will write 4 true and false questions for each article. After the preliminary selection of reading materials, 100 college students were tested to test the accuracy of the articles. The results showed that the difficulty of the selected articles was not significantly different.

Music material: Western music: "Mozart Serenade"

Traditional Chinese Music: "A Flower and a Full Moon"

Video software: prepare zoom video conference software

## 2.3. Research Design

The independent variable is the type of background music (Western, Eastern), and the dependent variable is Chinese reading comprehension. First, let the subjects perform Chinese reading comprehension in the context of Western music, with low test scores. Second: Let the subjects perform Chinese reading comprehension in the context of traditional Chinese music, with high test scores.

## 2.4. Implementation Procedures

Select the articles and topics that you can read and understand, and make a link to the web page to inform you to open it within the set time after entering the classroom. Prepare the room number of the zoom video conference. At a specific time, invite 100 subjects into the zoom conference room. When the subjects are ready, use the zoom software to group them into subjects 1 and 2. The two rooms are 50 respectively. People, the subject 1 room played Western music "Mozart Serenade", and the subject 2 room played Chinese traditional music "Flower Moon". The music in the two rooms was played simultaneously, and the time was set to end in 1 hour.

## 3. Results and Analysis

It is expected that through the analysis of the results of the T test, the subjects' performance in Chinese reading comprehension under the background of Chinese traditional music is significantly higher than the subjects' performance in Chinese reading comprehension under the background of Western music, and the significance is statistically significant.

## 4. Discussion

The main purpose of this research (hypothesis) is to investigate whether the compatible music background can promote Chinese reading. The results show that the compatible musical background can promote Chinese reading. In terms of specific functions, different musical backgrounds also interfere with reading comprehension. This requires further research and exploration. I think the research has also found that choosing suitable music can promote reading comprehension. The results in this study have also been confirmed. We believe that the performance of Chinese reading comprehension under the background of traditional Chinese music is higher than that of Western music, because Chinese traditional music and Chinese reading are more compatible. This research (hypothesis) also provides evidence for in-depth research on whether the field of music can promote the progress of other disciplines.

## 5. Conclusion

The compatibility of the musical background promotes Chinese reading comprehension. The study of music education in China is carried out in the process of gradual maturity and development. The review of representative literature, such as music pedagogy, music creation, music performance, music appreciation, music education psychology, music aesthetic psychology, music emotion, inner hearing, music memory, music therapy, and so on, can observe the necessary context and educational process of the development of music education psychology in China. The author thinks that previous studies have great reference significance and hope that my articles can add to China's music education. The author believes that although this subject is still in the immature stage of the newborn calf in musicology, the nature of the issue and its vitality, vitality, and radiation have unique advantages. It will have more and more influence on music and musicology. It will become a subject that every musician, music lover pays attention to and loves, and becomes a science closely related to human beings' development.

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