

## Research on the Potential Impact of Osmotic Music Activities on the Comprehensive Development of Children Aged 3-6

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**Abstract:** Music is a dazzling pearl in the treasure trove of human culture. It exists in people's lives in different forms and styles, and its spread and development are inseparable from the role of music education. Especially for preschool children, in a critical period of intellectual development, correct music penetration can not only shape the character and aesthetic ability of students, but also affect their intellectual development, and play an important role in forming mathematical logical thinking and good artistic cells. This article analyzes the importance of music penetration on the intellectual development of pre-school children, discusses the effect of appropriate music penetration on pre-school children, and discusses the precautions when implementing music penetration on pre-school children aged 3-6, with a view to throwing a brick.

### 1. Introduction

In today's society, human living standards are increasing day by day. With the progress of human civilization, music also appears in various forms and exists in people's lives. For children, especially preschool children, they will have a strong response to the direct stimulation of various music. American Lubum pointed out that before 4 years old children's mental mood reached 80% of the 17-year-old's intelligence, the decisive period for the development of musical intelligence is in childhood. Compared with other early education text knowledge, music is more likely to penetrate into children's consciousness. Therefore, how to make the music have a healthy impact on children is not only the responsibility of parents, but also the obligation of society and school.

American educational psychologist Bloom pointed out that if the intelligence point of a 17-year-old boy reaches 100, then 80% was formed before the age of 4, and musical intelligence is the earliest in human talent, and childhood is a person's music. The decisive period of intelligent development. Relative to numbers and words, for early childhood education, music is also the most easily penetrated into children's consciousness. Children who are exposed to music sooner have a significantly higher IQ than children who lack music. For preschool children, music education cannot be ignored.

### 2. Connotation of Comprehensive Development of Preschool Children

The all-round development of man is a process in which the various potentials of man are fully developed, the personality of man is fully integrated, and from one-sided to all-round. In a general sense, from the perspective of personnel training, the overall development of man should refer to the comprehensive development of morality, intelligence, physical fitness, beauty, and labor. It is the process of cultivating people with moral qualities, having the intelligence required for their own development, healthy development of the body, establishing a correct aesthetic view, and having working skills and working habits. From the perspective of psychological quality, the overall development of a person should be a development process of the behavioural appearance produced by objective things acting on the human brain, including intellectual factors: such as attention, observation, memory, thinking, imagination, language ability, Creative ability, etc.; also includes non-intelligent factors: such as body, emotion, will, personality, sociality, etc.

The pre-school children's overall development process is the budding state of human all-round

development. If there is a good budding state, it lays the foundation for its own growth and is conducive to the improvement of self-quality. But when children develop in an all-round way, it does not mean they can become talents. Because if you only stay at the general level of comprehensive development, you can only create “general” people. We should actively promote the development of children, focusing on the cultivation of high-quality innovative talents, we can realize the manifestation of self-worth to promote social progress.

### **3. Theoretical Basis of Permeable Music Activities for the Comprehensive Development of Preschool Children Aged 3-6**

The permeable music activity carried out by preschool children is a necessary educational activity. Children's educational activities should not only be specialized educational activities carried out by professionals, they should develop all available human, material and environmental resources and carry out all kinds of educational activities in all aspects. Let music infiltrate into children's daily learning and living environment intentionally and unintentionally anytime, anywhere. For children's future development and progress, self-growth is a potential and inestimable source of strength.

#### **3.1 From the Perspective of Biology**

Music is an instinctive behaviour for human beings and a part of human life. Human beings have an attachment to music in infancy, which is one of the things that can respond to babies as soon as they are born. Infiltrating children's music early has many unique effects on the child's physical development: listening to the concert makes the child “early and clear”; singing can make the child's mouth clear, increase lung capacity, and promote the development of respiratory organs; instrumental music and rhythm exercises Exercise the balanced development of the two hemispheres of the child's brain; in the activities of music games, children can feel the charm of music and promote the coordinated development of muscle movements.

#### **3.2 From the Perspective of Anthropology**

As an ancient art form, music has a long and important influence on the development of human history and culture. From the musical art records of prehistoric caves, to religious musical art etiquette forms, court musical art performance ceremonies, to the people's appreciation of musical art nowadays, it is the life demand of human development for music creation.

#### **3.3 From the Field of Sociology**

As a socialized art form, music is not only a relationship between music performers and music appreciators for children, music can also be used as a social intermediary: the application of music in various workplaces, various The reflection of such music works in the society, children ’s participation in various social activities such as music grading, etc., all affect children ’s social thinking and social behaviour.

#### **3.4 From the Perspective of Psychology**

Using music as a key to open children's hearts can enable children's various abilities to be trained differently from other learning methods. Children can experience and express their emotional changes through music, so that music can affect the formation of children's personality in a subtle way. Music can also improve the development of children's various intellectual abilities, stimulate children's creativity and imagination, and music There are important contributions to the development of awareness systems.

#### **3.5 From the Perspective of Music**

Music is a special ability. Special ability refers to the ability to complete a professional activity. The general ability refers to the basic ability that must be possessed in various activities. This ability ensures that people can effectively understand the world, also known as intelligence. It is

only a matter of the last ten years to discuss children's musical ability as a kind of intelligence. During the training of preschool children's musical ability, it can affect the development of general ability. For example, it can enhance children's physiological response ability, improve aesthetic appreciation ability, learning and entertainment ability, experience and express emotions and social interaction ability. These are the contributions of the characteristics of music itself to human beings.

#### **4. The Ways and Types of Music Activities for Preschool Children Aged 3-6**

##### **4.1 Organized and Spontaneous Music Activities**

In the past, most of the music education channels for pre-school children used organized music collective teaching activities arranged by the organizers. There can be specialized or permeable music activities, but the objectives, content, and methods of the activities are all designed by the organizer in advance, and they are launched at a prescribed time. Spontaneous music education activities are various activities related to music initiated by young children. The goal, content, time, and method of the activity are mastered by the children. Toddlers conduct spontaneous learning in a series of activities such as experience, improvisation, and so on. During the participation process, they fully enjoy the fun brought by music and realize themselves.

##### **4.2 Specialized and Penetrating Music Activities**

The specialized music activities are also arranged by the organizers, and the content of the activities is planned. The main purpose is to let children recognize some more systematic music knowledge. At the same time, in specialized music activities, organizers guide children to learn how to learn, how to perform self-expression, and how to communicate with others. Permeable music activities refer to the application of music but not necessarily music as the main activity content. It refers to other forms of activities other than specialized music activities in children's daily life or education. This type of activity can be organized or spontaneous; it can be planned or randomly generated; it can be music-based or an auxiliary content. Elements of music in any activity or game can be classified as permeable types of music activities.

##### **4.3 Dominant and Potential Music Activities.**

Dominant music activities generally refer to educational activities organized by the initiator, which clearly reflect the purpose of the activities in the plan and involve music. This kind of activity form is easy for teachers to master in kindergarten teaching and is generally adopted. Potential music activities are not easily controlled by the implementer, and some activities can see the effect in time, while others cannot. In this form of activity, there will be many accidental and unforeseen events, and the cause of the impact cannot be determined. Some come from the influence of the family, some from the influence of the social culture, and some from the influence of the education process. Because this form of activity has a strong sense of uncertainty, it is necessary to pay attention to children's parents, teachers, social education related staff, etc. when conducting such activities, to communicate with them more, guide children correctly, and strengthen positive Education.

#### **5. Research on the Importance of Music Penetration in the Education of Preschool Children Aged 3-6**

The human body's second signal system in early childhood does not have the advantages of adults, and their thinking ability is not yet mature, but the auditory intention ability is already the same as that of adults, and the thinking activities are mainly carried out through the sound image. Therefore, music penetration has a certain training effect on the thinking ability of preschool children. Permeable music activities are not pure music activities, but activities carried out by combining various subjects such as science, art, sports, etc. This process not only benefits children's musical ability, but also strengthens children's interest in music. The social, family and other activities included in the music element can expand children's horizons, enrich children's emotions,

and accumulate certain experiences for growth.

The process of language learning is completed by listening, recognizing, storing and expressing sound and sound. The characteristics of the thinking pattern of pre-school children determine that children think about the sound image they hear. Therefore, when the music penetration method is used around the children, it can play a certain suggestive role to the children and guide the children to concentrate and listen. Conducive to the development of early language learning ability. Children can relax in suggestive music, can quickly complete information input, and identify and understand the source of the sound to achieve the effect of communicating with people, because the process of music suggestion strengthens the child's attention, reaction ability, and ability to discern music, It is the key for students to learn and improve their language ability in the future. For example: In the embryonic stage of children's language formation, parents concentrate their children's attention by singing, and properly explain the meaning of children's songs to expand children's language vocabulary.

French mathematician Fourier proved that musical sound can be expressed in mathematical expressions and is the sum of many different periodic functions. Tone includes three qualities: tone, volume, and timbre, and tone, volume, and timbre are respectively related to the frequency, amplitude, and shape of the curve, so mathematics and music have a traditional relationship. In the process of music penetration, there is overlap between the activated reach area and the activated area of the mathematical problem, and you can conduct problem analysis, comparison, comprehensive comparative analysis, and summary training. For example, a 4-year-old child is permeated with music for one hour every day, and his EEG shows that the synergy of the brain will be stronger than that of learning rigidly for an hour, and the learning effect is the same. Therefore, music penetration can well exercise the logical thinking ability of preschool children and lay a solid foundation for future learning and thinking habits.

Art can be divided into literature, fine arts, music, dance, etc. that can express beauty or behaviour, can experience and release human emotions, improve and enrich people's spiritual life, and are closely related to human life. Analysis art from an aesthetic perspective, including three art forms: auditory, visual and audition. According to the characteristics of human body development, the initial artistic experience is perceived through auditory senses, so the feeling of musical art belongs to an artistic potential. Although preschool children are not able to use language expressions proficiently, due to their sensitivity to sounds, they can complete their cognition of music more urgently. At this time, infiltrating children with music can not only stimulate children's artistic potential, but also enhance children's cognitive ability and creativity, and create the necessary conditions for the future development of artistic ability. For example, in children's art teaching, you can play music with a strong sense of theme, and arrange children to express their imagination in the form of colored lines, etc., so that children can enjoy the beauty while enjoying their freedom, and improve their attention Imagination has a good effect.

## **6. Conclusion**

In each stage of human development, the preschool period is the starting point in a person's life and a critical period for human growth and development. Mastering this stage is very important for children's future development. As long as it is real music, it will benefit the music participants to a certain extent. However, it must be understood that music activities cannot be short-term and temporary behaviours, and they need to be persistent in order to affect every growth stage of a child in a subtle way, and even affect a person's lifelong development direction.

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