Vol 5 Issue 8 Sept 2015

ISSN No : 2230-7850

International Multidisciplinary Research Journal

Indian Streams Research Journal

Welcome to ISRJ

RNI MAHMUL/2011/38595 **ISSN No.2230-7850**

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Indian Streams Research Journal
ISSN 2230-7850

Impact Factor : 3.1560(UIF)
Volume - 5 | Issue - 8 | Sept - 2015

IMPACT OF MUSIC ON CHILDREN WITH DISABILITIES

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ABSTRACT

Music is an imperative part of human life. It is useful to live with joy and wellbeing. It is very interesting to analyze various research studies related to music and children with Disabilities. On the basis of this research the importance of music education in children with disabilities can be established. In this research article the endeavor is made to juxtapose varied research studies with the subject and tried to derive its educational implications.

KEYWORDS *:Disabilities, Music therapy, Cognitive development, Language development, Brain development.*

INTRODUCTION :

Music has frequently been used as a therapeutic agent from ancient times; historical sources verify the very existence and effectiveness of the combination of music and medicine to cure certain diseases and disorders (Sharma, M. 2007). Music is an art, defined by classical music which got recognized around 11th century and gained popularity due to the systematic notation system that it began using. The music is dominant mood enhancer. Thus, most often people listen music from early in the morning till late night. Indian Classical Music is the soul of every music. Classical Music greatly affects the brain activity; it has a positive effect on the hormone system that's why people feel relaxed after hearing the classical music. India has strong historical background of music. Archaeological studies and evidence too has validated the presence of music from the ancient time. The Samaveda includes hymns and describes the Indian music. While discussing about the Indian Classical Music, the striking word comes Raga. It is the very heart of Hindustani Classical Music (Nawasalkar&Butey, 2012).Music has become such a big part of our lives, thatresearchers can't help but want to studyhow music impacts people, particularly kids. Many parents, teachers, researchers are interested in learning more about the influence of music on the development of children.Others concentrate on how formal music trainingimpactsvariousaspects of cognitive development, for example, discernment, memory, and dialect abilities and so on. A few specialists are keen on reporting the impacts that listening to

music may have on children's development. Thediscussion of different exploration confirmation is introduced in this paper to set up connection in the middle of music and the development of children. Music therapy is viewed as a related administration methodology in a custom curriculum (IDEA, 1997). Music therapy can assume a vital part in a specialized curriculum in light of the fact that numerous understudies with disabilities need special instructional treatment. Music is an antiquated system for mending. It kills negative sentiments; builds stress resistance level and orchestrate internal peace. The utilization of music therapy can help individuals who are disabled by differs subjective and bio psycho social issues. It can also help to enhance the personal satisfaction for individuals with handicaps of different sorts.

The IDEA (Individual with Disabilities Act) obliges schools to give related administrations and gear to an understudy with incapacity to guarantee a "free and suitable" state funded instruction. The re-approval of IDEA (1997) commands related administrations to be incorporated into the Individual Education Program (IEP). In 2001, with section of the No Child Left behind Act (NCLB), the U.S. Branch of Education is grasping proof based exploration with a specific end goal to enhance the adequacy of instructive intercession and thus, scholarly accomplishment. Customary instruction and specialized curriculum educators are given expanded obligations regarding understudies with inabilities in their classrooms. Late research demonstrates that music treatment has a positive effect on understudies' intellectual advancement.

CONTRIBUTION

Students with disabilities arrive every day in music classes from kindergarten through auxiliary school. Compelling mix of music in the substance regions makes a learning domain that makes all children need to learn. Collett (1992) reported a successful music incorporated educational module which functions admirably with bilingual and custom curriculum understudies. Music reconciliation give children's with concrete, hands-on experiences that are fundamental to building up every child's ability to reason, think, take care of issues, examine, assess, and to improving imagination (Houchens, 1983).

A few studies have explored the impacts of music treatment on children with cognitive disabilities. Straum (n.d.) recommended the utilization of music to help understudies with a mental imbalance issue in the zones of social and dialect improvement. Extremely introverted kids have dispensed with their monotonic discourse by singing tunes made to coordinate the beat, stretch, stream and expression of the sentence took after by a progressive blurring of the musical signs. The creator additionally contends that music can be utilized as a device to energize human advancement in psychological, learning, perceptual, motor, social and passionate improvement. In a related study, Stambough (1996) directed an activity research at a music camp to 37 campers ages from 9-45, every endures shifts level of a hereditary condition called Williams Syndrome, which prompts subjective debilitation. She found that few systems and methods, joined with a lot of tolerance, served to suit the extraordinary needs of the understudies.

Others scientists proposed strides for encouraging the coordination of understudies with enthusiastic or behavioral issue into the customary music classroom. Results assembled from King & Schwabenlender (1994) reported different steady techniques for advancing passionate prosperity in kids from an assorted foundation. Permit youngsters to be expressive gives them a feeling of strengthening (Dixon & Chalmers, 1990).

Advancement of Human Brain and Music

The advancement of the brain has reached its present state after passing through several milestones. Man is sapiens, the thinking species of genus homo capable of judgment, arranging, count and flights of creativity. But how did the human cerebrumgrow progressively in its complexity to meet the demands on it? It is trusted that not just opportunity, but even man's original mind equipment is something special. Geshwind guessed that, during evolution man was under extraordinary selective circumstances with progressively diverse activities and nature found it difficult to fit new machinery into man's cerebrum to meet the demands on its function and to copy the mechanism in the two hemispheres. Lateralization of the brain happened so the one hemisphere becomes dominant. Be that as it may the non- dominant part shares the general area of function. The right hemisphere is known to be the seat of creative activity and feeling. This advancement procedure helps us to understand about musical ability.

From the beginning communication was a primary requirement. The Gesture was created as a core mode of communication and is phylogenetically older than speech. With the development of language man did not eliminate gesture, but made it a special element of emotional and aesthetic sense in theatre, mime, dance and drama. It continues to embellish qualify and intensify the power of the spoken word.

Drumbeat, dialect codes and pictorial writing are other steps in this communicative drive. The close relation between language and musical expression is build up along these lines. The stimulus of human interaction, communication and cultural input is vital for the improvement of language and for man motivated to learn.

Man's need to communicate through musical sounds and rhythm was probably initiated by the multifarious aural stimuli from nature and an inner urge for varied expression. The winds blowing through the bamboo groves. The bamboo stem having holes in them, exhausted by the wanton bees. This winds produce music of the flute. Indian music praises the break of sunrise and the sentiment of the night and ushers the change of seasons with bursts of varied melodies for every season. Indeed even the tonal quality of every note in the musical scale is connected as follows Sa (Shadja)- cry of the peacock, Re (Rishabh)- the lowing of the bull, Ga (Gandhara) – the goat's bleat, Ma (Madhyama) –the call of Krauncha bird, Pa (Pancham) – The cuckoo's call, Dha (Dhaivat) – The neighing of the horse, Ni (Nishada) – the trumpeting of the elephant, as though all music were gotten from nature sounds (Pandya, 2015).

MUSICAL ABILITY

The seashore measure of musical talent endeavors to score this ability, a few areas of which are intangible and beyond scoring. To the neurologist, musical ability must mean refined auditory discrimination, good auditory sensory and association areas of the brain, keen perception of musical symbols, musical memory and imagery and clean execution of motor commands for voice production or instrumental music delivery (Pandya, 2015).

While enjoying a favorite piece of music does the listener pause for a moment to think that billions of nerve cells in his head have digested the auditory signal and distilled them into the wisdom of musical perception? For the performer, as he picks up the bow to play on his violin, thousands of calculations have set the tone of his muscles and adjusted the strength of his grip. His knowledge of the weight of the bow, the force of gravity acting, the extent of pressure to be applied, the constant feedback from the ear to the brain and back to the hands are all part of a smooth unbroken chain reaction running second ahead of the music rendered!

Music and Brain Processes

The artist's brain in the course of his long learning must develop an internal schema of the musical images which he has gotten, enrolled, associated with earlier learning and when demanded, is able to retrieve it and express the same symbols through his voice or musical instrument. It is for performer to exteriorize this music within his head. Musical function localization has not been demonstrated as consistently as speech localization in certain brain areas. But there appears to be a pattern of localisation, depending on the type of musical processing that is needed.

The left hemisphere may take a lead role when it comes to the sequencing and analytic aspects of music and the rhythmic aspects. The right hemisphere is more critical in song acknowledgment. The areas for prosody of speech, reading music and interpretation are also placed in the right hemisphere. A few researches show the close relationship between speech and music areas, both which may have similar processing requirements.

It isimpossible to undertake a simple music piece without employing memory. Long term memory joins with old learning and short term memory is fundamental for new learning. Musical memory obliges the storing of auditory imagery, visual memory and sensor-motor plan.

Short term memory holds a record for minutes to hours and depends on the cerebrum's electrical activity and is on a superficial level. Long term memory takes over if desired and the information is imprinted in the brain structure and no longer depends on the ability of nerve cells to transmit impulses to hold this memory. Synaptic connections strengthen this memory. The most profound layer of memory is emotive and words of a song help in this effort.

Aims of music therapy

The inspiration driving the study is to review composing concerning the effects of music on students with disabilities. Music has transformed into a successful mechanical assembly for understudies and educators in various extensive classrooms.Music can encourage incorporation of understudies with disabilities by making beforehand troublesome or incomprehensible assignments achievable.

Amid the previous decade, there has been a consistent development in the examination base on the effect of music to children's with disabilities. A greater part of the exploration has for the most part centered around music and prescription (Pratt, 1991; Chaquico, 1995; & Weinberger, 2000), music treatment (Pelliten, 2000), music as the premise for learning (Collett, 1992), value of expressive expressions (Dixon & Chalmers, 1990), handiness of music to treat understudies with passionate and behavioral issue (Houchens, 1983; Shennum, 1987; Gfeller, 1989, & King, 1994). Very few studies gave a comprehensive view of some disability categories, example, autism (Staum, n.d.; &Stambough, 1996), Mental Retardation (MR) orcognitive delays, Attention Deficit Disorders (ADHD), LearningDisabilities (LD) and Physical and Other Health Impairments (POHI). The momentum audit expands on past endeavors to analyze research on the impacts of music treatment to children with disabilities.

Implications

Specialized curriculum educators have utilized music to modify mind-set and survey passionate issues. Music permits the person to design feelings. Music is seen as a fundamental piece of every one of kids' lives. Children appreciate listening to music, singing, and humming. Music may viably upgrade the capacity to adapt to stretch. The creator recommended that music be found in both music classes and standard training classrooms. She found that incorporating writing with musical substance served to bring books alive and that musical classrooms urged kids to relate and take part in the exercises

(Giles, Cogan, & Cox, 1991).

However, very few studies gave an exhaustive perspective of some handicap classes, for example, autism (Staum, n.d.; &Stambough, 1996), Mental Retardation (MR) or cognitive delays, Attention DeficitDisorders (ADHD), Learning Disabilities (LD)) and Physical and Other Health Impairments (POHI). The following is a rundown of functional, pertinent, and confirmation based methodologies instructors can use to help students with various disabilities through music.

Speech and Language Impairments

Music is more than a recreation action. It is more than verbal directing. It is an advanced subjective, phonetic, social and mental treatment. Music gives a form of compensation for those with language impairments as well as a means of facilitating language development.

1. Encourage understudy to partake in the musical exercises.
2. Discover a bit of music agreeable to the understudy.
3. Have understudy verbally distinguish an instrument by name before he or she can play it.
4. Learn words and well-spoken specific phonemes through singing tunes.
5. Make non-judgmental and nonverbal exercises to help make understudy feels great.
6. Make practices where any vocal sound is recognized as an innovative bit of the extemporized music.
7. Joined vocal sounds that are suddenly transmitted and that are inspired from the music making.

Orthopedics and Health Impairments

Music influences heartbeat, pulse rate, and skin reactions (Hodges, 1980).

1. Place an instrument at a strategically placed distance to build hands or arms development.
2. Swing a mallet to strike a drum to help build the range of motion.
3. Have understudy hold a musical instrument may help the improvement of fine motor coordination.
4. Shift the power of applauding, bouncing, stamping, beating, swinging, and snapping, and so on as indicated by the seriousness of the disability.
5. Utilize slow and gentle music to expand adaptability and to diminish hyper tense muscular contractions.

Cognitive Disabilities

Research in neurological functioning supports the association between music and cognitive development.Music arranges sounds and hushes in a stream of time. It makes desires and is then fulfilled. It brings up an issue and understands it.

1. Use mnemonic devices for remembering sequences (the alphabet song).
2. Use categorical structures to separate (animal farm, color and so on.).
3. Interface sound with an idea (a cow makes a “moo” sound”).

Consideration Deficit/Hyperactive Disorders and Learning Disabilities

Music spotlights on precision and consideration. Learning how to play an instrument can enhance consideration, focus, drive control, social functioning, self-regard, self-expression, inspiration and memory.

1. Unite a specific vocal sound with a specific body development.
2. Give more than one neural pathway by utilizing multi-tactile channels.
3. Use visual, sound-related and kinesthetic (striking a drum, clapping hands).
4. Utilize the intrinsic structure in songs to strengthen a feeling of internal order.
5. Use musicality, unfaltering heartbeat, and essential beat of music as a model to help understudy to experience request, grouping, and a feeling of consistency.

Skilled and Talented

Music spotlights on deeper psychological process and permits inventive expression. Challenge gifted students to adapt their existing abilities in ways that enable them to create music.

Enthusiastic and Behavioral Disorders

Music makes physiological reactions, which are connected with enthusiastic responses. Music clarifies the pressure discharge succession connected with enthusiastic excitement (Abeles, 1980). The pace and force of the musical beat makes the distinctive sentiments in every sort of melody. The opportunity to play an instrument can be utilized as a reinforce for on task behavior.

1. Encourage student to play distinctive instruments in the songs.
2. Utilize small group music therapy to encourage socialization and interpersonal collaborations.
3. Allow student to express separately while participating as a group.
4. Utilize the common musical beat to unite group cohesion and concrete group dynamic.
5. Use music activities that oblige a member to imitate the body movement or rhythmic pattern of another member.
6. Instruct understudy to take turn when there is one and only instrument accessible to share within a group.
7. Utilization sharing space while playing musical instrument to control motivation.

CONCLUSION

The impacts of music therapy on children with disabilities are various. This paper presented the introduction of music and children with disabilities. It clarified the reason behind music reconciliation in a comprehensive classroom. Music therapy contributions to psychological, psychosocial and academic improvement. It providedpractical guidelines to use music to accommodate children with disabilities

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