Inclusive Creative Education

Leveraging Music to Cultivate Imaginative Teaching and Promote Wellbeing and Learning Across Abilities



The aim of today's session

How music can:

- Enhance Cognitive Abilities
- Foster Creativity and Imagination
- Promote Inclusive Learning Environments
- Facilitate Social and Emotional Benefits
- Create a sense of Wellbeing





Why is Music such a successful tool for teaching children of all abilities?

- Sense of community
- Creates a level playing field don't need to be good at music in order to create music
- Universal language music crosses all borders of communication
- Engaging
- Motivating

Why is Music such a successful tool for teaching children of all abilities?

- Sensory hear and feel sound through vibration
- Builds self-esteem
- Self-expression
- Self-worth
- Self-regulation



Music has been shown to stimulate various cognitive functions. Can you think of a few?

- language
- attention
- problem-solving skills
- motivation
- memory recall





Journal of Experimental Psychology: Learning, Memory, and Cognition 1994, Vol. 20, No. 6, 1471–1485 Copyright 1994 by the American Psychological Association, Inc. 0278-7393/94/\$3.00

Memory for Music: Effect of Melody on Recall of Text

Wanda T. Wallace

The melody of a song, in some situations, can facilitate learning and recall. The experiments in this article demonstrate that text is better recalled when it is heard as a song rather than as speech, provided the music repeats so that it is easily learned. When Ss heard 3 verses of a text sung with the same melody, they had better recall than when the same text was spoken.



Music is one of the most complex and demanding neurological tasks for the human brain (Zatorre, Chen, &

Penhune, 2007)





Imaging studies have revealed a complex bilateral network of cortical and sub-cortical structures are involved in the processing of music. This includes the frontal, temporal and parietal lobes, limbic and paralimbic structures, and the mesolimbic pathway that is associated with the dopaminergic reward system (Särkämö, Altenmüller, Rodríguez-Fornells,

& Peretz, 2016).





The magic of 1 2 3 4

Body Percussion & Math





Foster creativity and imagination

Music is creative in its essence

Music encourages self-expression and imagination

- Music and story telling
- You don't need to be a musician





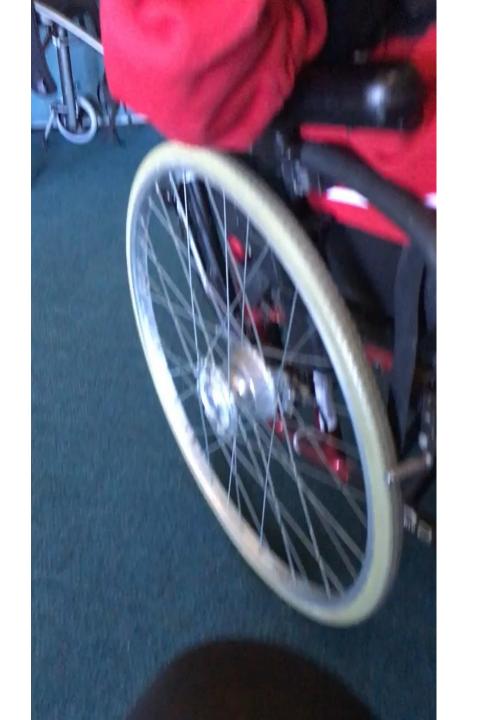
Foster creativity and imagination

- Music provides a unique platform for students to explore and communicate, eg providing choice of song or instruments
- Through improvisation, composition, and musical interpretation, you can inspire creativity and create a REAL sense of achievement.

Your turn to improvise WOOHOOO!!!







Music is inclusive in its nature





Promote inclusive learning environments

Music transcends linguistic and cultural barriers, making it an inclusive and accessible medium for students with diverse backgrounds and abilities.





Promote inclusive learning environments

By embracing music as a universal language, educators can create learning environments that celebrate diversity and cultivate a sense of belonging among all students.





Promote inclusive learning environments

Music from around the world

You teach us

I'll teach you





 Music has the power to evoke emotions and foster interpersonal connections, making it an invaluable tool for promoting social and emotional learning (SEL) skills.

• Through collaborative music-making activities and group performances, teachers can cultivate cooperation and resilience among their students.



 Can you think of a time when music has evoked an emotional response in you? (groups)

• Can you think of a time when music has brought you together with others?



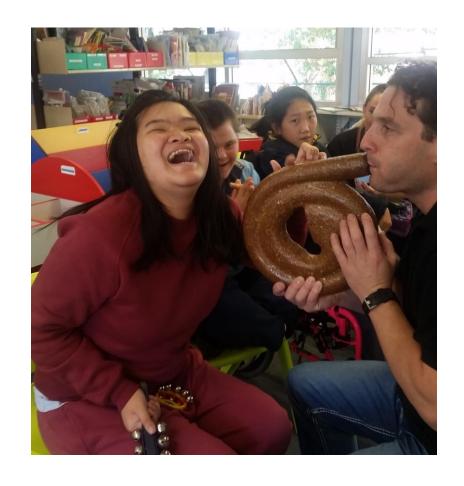


• Studies have shown that <u>synchronized musical games promote</u> prosocial behavior (Tomasello & Kirschner, 2010)

Our students can learn to work together as an orchestra does:

- listening carefully,
- making adjustments,
- synchronizing toward something much bigger than the sum of its parts.

Can you think of a time when you've used music to emotionally regulate a student?





Current evidence supports the use of music interventions to reduce agitation, stress, anxiety and distress, and increase positive moods and social engagement in a broad range of populations

(Bruscia, 2012; Forsblom, Laitinen, Särkämö, & Tervaniemi, 2009; Magee et al., 2011; Tseng et al., 2016).



Playing with sound





Drums & Singing Gongs - Singing bowls - Bells Didgeridoo

Your turn to feel the positive effects of music





Attention is Fundamental in Learning

Individuals with neurodevelopmental delays frequently present with attention deficits, resulting in an impaired ability to focus and integrate sensory information present in the environment.





Attention is Fundamental in Learning

ENGAGE ENGAGE ENGAGE







• Use music as your educational medium

• Use Phythin, voice, perverful medium gifted to us on this planet





Questions / Tell us your learning from today

