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Presentation Objectives

- 1. Learn the history of music development
- 2. Explore a list of music associating with parts of the brain

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Presentation Objectives

3. Identify the music that support physical changes

 Identify music strategies for application to clinical practice, rehabilitation and school-based practice

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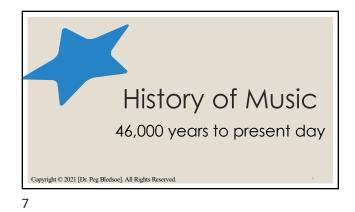
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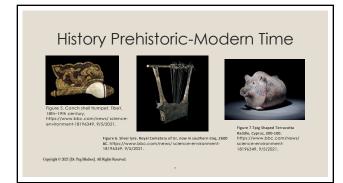
Outline

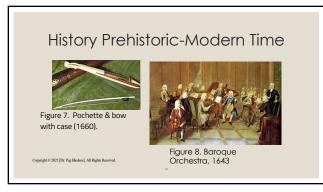
- History
- Music Influences
- Nuts and Bolt for Operations
- Research Studies

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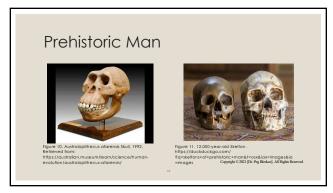


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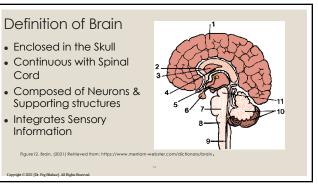
Olden Times

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- Development of hominid can emit sound variable pitch
- The Anatomy of Homo Neanderthalensis and Homo Sapiens- Both capable to creating music
- Mousterian Period Instruments developed



Beginnings of Music	c & Instruments
Random noises to convey emotions	 Musical sounds have control variation of pitch
 Vocalizations VS Motor Impulse 	 Controlled with speech showing emotions
Movement hand-body clapping Cryptigle C 3021 [Dir. Fig. Bished, All Biglis Resreal.	 Fossil Remains suggest pitch and breath control



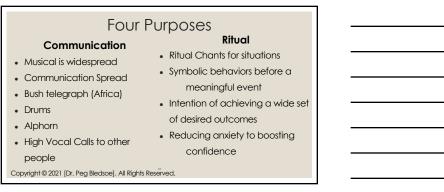
Definition of Music

- Science/Art of ordering tones/sounds in succession
- Temporal relationship with unity and continuity
- Vocal, instrumental. Or mechanical sounds having rhythm
- An agreeable sound: voice was music
- a distinctive type or category of music there is a *music* for everybody

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Four Purposes		
Dance	Personal/Communal Entertainment	
Rhythmic motion to the sounds	Rhythmic work with another	
People moving rhythmically	person	
together	Mother –Child movement	
Grunts, claps, beating objects	Traveler Musician	
	17	



Music	Developr	ment O	ver Time
Dominated	1920 to 1930 Traditional Pop & Swing Music	1940 Jazz, Big Band & Swing	1950 Elvis Presley Chuck Berry -Rock 'n' Roll
1960s The Beatles The Rolling Ston The Beach Boys, James Brown etc Rock Music	es, John, Marvin & Gaye & the ba	on Indie F Conte nd Hop, T Disney Count	entury Dance-Pop, Rock, Emo, Pop-Punk, mporary R&B, Hip- een Pop, Boy Bands, / Artists, Country, ry-Pop, and Latin Pop

The Function of Vibrational Frequency

- Sensory Perception of the Brain Involves Levels or considerations
- Basic Survivals
- Distinguished elements (sensory process of sound, smell)
- Sound is difference can produce it

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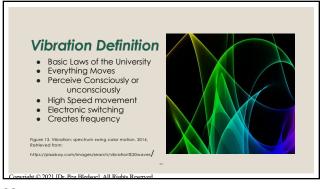
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Sound = Vibration

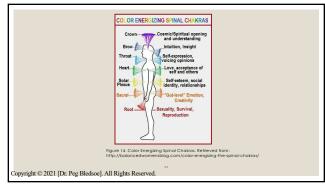
Vibration

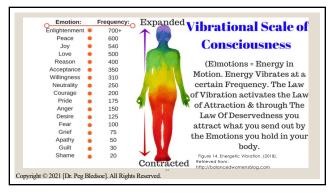
Frequency

Resonance











Frequency

- Composed of energy -producing particles
 Constance motions.
- Creating energy
- Interactions with all
- Energy of Chi/Qi/Prana Biological System

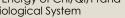
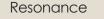


Figure 27. Vibration and Frequency-OM 2011 Retrieved from: http://omtimes.com

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- Term used in physics
- Amount of time it takes to complete one cycle
- Number of cycles in on second

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• Period/Frequency





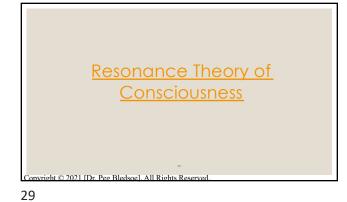


Acoustic Resonance

Acoustic system amplifies sound waves whose frequency matcher its own frequencies of vibration

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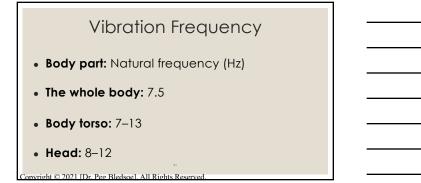
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General Resonance Theory" (GRT)

- Field theory of consciousness
- Various specific fields associated with matter
- Energy at the seat of conscious awareness

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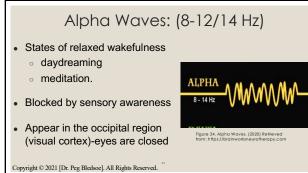


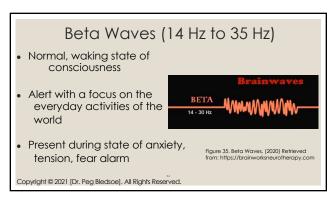
Brain Waves 1920

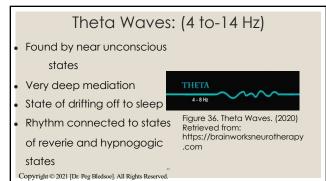
- Electrochemical activity
- Biofeedback instrument
 Four categories Different Mental Characteristics Activity peaks out (high beat)
 Full Relaxation (theta)

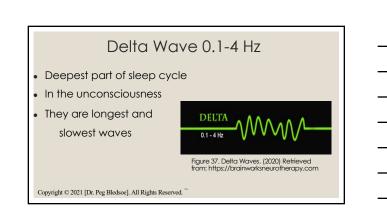


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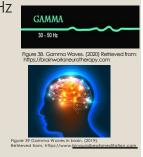


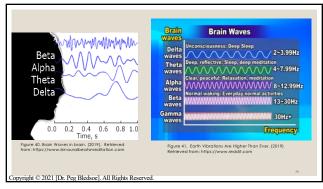


Gamma Wave 0.1-4 Hz

- Neural oscillation
- Correlated with large scale
 brain network
- Cognitive phenomena

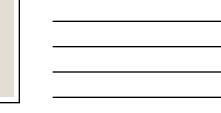
 working memory
 - attention
 - perceptual
 - grasping.





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Ages & Stages for Music Pregnant Mothers Babies Toddlers/Children Teenagers Adults

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Collection of CD's

- 6 Baroque Tapes (2 the later romantic time)
- 2 Jazz tapes

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 6 Special effect tapes including comedy, fanfare stretches music, TV tunes & others. (Watch Disney theme as the students will sing)

Collection of CD's

- 3 focused slower tapes
- 2 New Age upbeat
- 2 popular rock n'roll
- 2 custom tailored for the child.

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Function of the Music in the Classroom/Therapy

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- Inspiration for students of go to new height of achievement. (Don Campbell work)
- Use of music as a learning

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- Relaxing after stress or after getting discouraged.
- Rapport builder, collects or aligns and brings a whole group together.

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Function of the Music in the Classroom/Therapy

- Energizes and brings new life to the group.
- Comforts client when the situation calls for it
- Something to have fun with when you need a change of mindset.
- Boosts achievement by activating the thinking portion of the brain.

Function of the Music in the Classroom/Therapy

- Harmonizes situations
- Classical music is very powerful way to get in touch
 higher nature
- Tap into greater sources of creativity
- Music supports the inspiration & spiritual intuition

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Function of Music

- Nature provides us with such a rich array of sounds on our planet earth
- People will copy nature sounds and use them
- Variations of animal or other natural sounds combination provide calming affects

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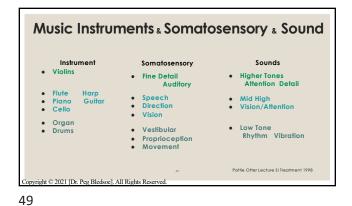
Function of Music

- Results show that music affects:
- Emotions
 - Respiratory System

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- Heartrate
- Posture and Mental Images
- Effects can dramatically alter the composite mood, state and physiology of a person.





Know the Beat of the Music

- Choose music carefully
- Know your intention for the client
- Affects the breathing and heartrate
- Observe uncomfortable behavior -change music
- Position, fun and loving attitudes

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What Music to Use

Use in the following situations:

- Background music during presentation (Baroque)
- Celebration of success (Fanfare or hallelujah)

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What Music to Use

- Introduce new topic (special flavor or themes)
- Mindset for learning (Baroque or Classical)
- Singing and expression (traditional vocals)
- Storytelling (Classical or Baroque)

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What Music to Use

- Testing/performance (Baroque)
- Transition time (Popular Music)

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• Visualization/imagery (New Age)

Consideration for Music

• Explain that you listen to music

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- Understand the extent of your relationship you have with the child/client
- Do research on your child/adult ahead of time
- Length of music depends on the reaction of the child

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Consideration for Music

- The volume to make it easier on the ear.
- Increase volume gradually
- Sensitive child/adult, start slower and build up.

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The Keys

- Look for the non-verbal cues of the child/client.
- Observe when you change the state of the listener.
- Music can change the behavior or your students.

The Safety Consideration:

- Noise refers to any loud, unmusical, disagreeable sound.
- What is loud will depend on the current state of your audiological health and your personal state.
- If you have sustained hearing damage -sounds may register on your ear as too soft or loud.

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Kinds of Music Programs

A type of sound therapy

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Tomatis Music Program Auditory Integration Training, (AIT) Therapeutic Listening Safe and Sound Protocol (SSP)

Research Outcomes

1. Music as a Therapeutic Medium for Occupational

Engagement: Implications for Occupational Therapy

2. Occupational therapy and the use of music tempo in

the treatment of the mental health care user with psychosis

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3. Music therapy and other music-based interventions in pediatric health care: An overview. # 4. Music therapy in adults with COPD # 5. Music in the relief of stress and distress in cancer patients

Listen, play &

Sance to learn



Figures

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