

Name of Program

Post-Operation Demonstration



Determined to inspire young audiences to keep the faith in the face of opposition, this award-winning ‘musical mad-scientist’ explores a multi-cultural mixture of musical styles, the importance of the human nervous system, and the art of perseverance—the guitarist has prevailed over a crippling neurological condition that could have easily ended a musician’s career.

Bio

More than a fabulous performer and Award-winning composer, listeners have called Gladius a miracle in the making—the guitarist has prevailed over a crippling case of nerve damage which could have easily ended a musician's career.

10 YEARS, 4 SURGERIES, 8000 HOURS of Physical Therapy and countless prayers later...

Gladius perseveres: relentlessly touring, recording, inspiring audiences of all ages, and winning numerous composition awards for his original music.

Standards

SAP3 Students will assess the integration and coordination of body functions and their dependence on the endocrine and nervous systems to regulate physiological activities.

a. Interpret interactions among hormones, senses, and nerves which make possible the coordination of functions of the body.

MU:Pr4.2.5a

Demonstrate understanding of the structure and the elements of music (such as rhythm pitch form, and harmony) in music selected for performance

Learning Objectives

1. Students will understand the role of the human nervous system as pertains to physical coordination, namely, musical performance.
2. Students will be exposed to various musical styles and learn about the different types of guitars and other stringed instruments
3. Students will learn and apply various musical elements such as rhythm, melody, harmony, tempo, song structure, etc.

Vocabulary

Dexterity
Neuropathy
Perseverance
Flamenco
Rhythm
Harmony
Tempo

Assess the Learning

- 1 Can you name and define any of the musical elements?
- 2 Can you name any stringed instruments besides the guitar?
- 3 Which nerve is the 'funny bone' nerve?

Extend the Learning

- 1) Research various stringed instruments. Compare and contrast their differences and similarities: size, shape, number of strings, etc. How do size and shape affect each instrument's sound? Explain how.

- 2) Research the history of the guitar as well other ancient stringed instruments such as the lute and the oud

Additional Resources

1 History of Andalusia, Spain and Flamenco

<http://www.andalucia.com/flamenco/history.htm>

3 Guitar History

http://www.metmuseum.org/toah/hd/guit/hd_guit.htm

4 How the Hand Works

<http://www.ncbi.nlm.nih.gov/books/NBK279362/>