Examples

Oh Great Spirit…
What instrument was used, which instrument family, how is the sound made?

Hardwood…
What instrument was used, which instrument family, how is the sound made?

Song of the Wind…
What instrument was used, which instrument family, how is the sound made?

Ode to Joy…
What instrument was used, which instrument family, how is the sound made?
Making the Connections…

**Acoustics**

*The study of how well sound can be heard in a particular room or hall.*

**Frequency**

*The number of complete waves that pass a given point in a certain amount of time.*

*Measured in **HERTZ** (Hz) – show/listen to example*

*Term used to calculate frequency*

**Pitch**

*Perception of the frequency of a sound High or Low*
Decibels
A unit of measurement of loudness...abbreviation is db

Loudness
Perception of the intensity of a sound

Volume
Intensity of sound...loud and quiet
Making the Connections...

Dynamics

*Volume of a sound or note.*

Timbre

*The overall quality of a note, distinguishes one sound from another.* Why you can tell the difference between a violin and a trumpet or your sister from your mother.

Vibration

*A repeated back and forth or up and down motion.*
Making the Connections...

Music
A set of tones and overtones combined in a way that are “pleasing” to the ear.

Noise
A mixture of sound waves with no pleasing timbre and no identifiable pitch.
Assignment...

MAKING YOUR OWN INSTRUMENT

1. Percussion, string or wind instrument

2. Must make 3 DIFFERENT sound

3. Must be able to describe and distinguish the 3 sounds.
GOOD LUCK!

Instrument sharing day will be next week.
Show and tell!

1. What instrument family, wind, string, percussion?
2. How does your instrument make sounds?
3. Describe how you made your instrument.
4. Demonstrate three different sounds?

Decibels equals loudness. (Loud or quiet)
Frequency (hertz) equals pitch. (High or low)
Timbre is the unique sound your instrument makes.