

Station 3

Explore and Explain

Today's Essential Questions:

- ✓ What determines sound volume?
- ✓ What determines sound pitch?
- ✓ Are sound pitch and sound volume related?

Activity 1: Watch the video “Pump up the Volume”

In your journal, write your thoughts on what the Mythbusters are trying to accomplish. Do their ideas have scientific basis? Do you think they will succeed? Why or why not?

Activity 2: Interactive Glossary Exercise

For each of the following words, review the interactive glossary term. Write, in your journal, the definition in your own words and put the word in a sentence. On the left hand side of the page sketch a drawing that represents the concept.

Words:

- Sound
- Vibration
- Pitch
- Volume
- Energy
- Amplitude
- Frequency