

## Science Grade 5

### Body of Knowledge/Big Idea/Benchmark

Physical Science/Big Idea #10 Forms of Energy/SC.5.P.10.1

Nature of Science/Big Idea #1 The Practice of Science/ SC.4.N.1.8

Social Studies SS.A.1.2.1 and SS.A.1.2.2

### Essential Question/Title of Unit/Duration of Unit

How does sound energy relate to drums used by slaves in America?

Sound Energy and African Drums



Several Days

### Description of Unit Part 1

#### Day 1

\*KWL- sound energy and the history of drums in Africa and during slavery

\*Discussion- sound energy and African drums

#### Day 2

\*Make vocabulary pictorial cards- sound energy, vibrations, speed of sound, air particles, sound waves, compressions, rarefactions, frequency, pitch, high sounds, low sounds, loud sounds, quiet sounds, African drums, and "talking drums".

#### Day 3

\*Make a collage- Compare and contrast African drums

\*Read excerpts from the book Talking Drums By Wanda Cobb Finnen or from a book with similar information.

\*Description of Unit Part 2

#### \*Day 4

\*\*Build an African drum

## Day 5

\* Using your science notebook documentation format conduct an experiment by measuring the sound levels created as you "beat" your African drum.

