

Monica Dirkx---Revised
Sound Centers

Objective : To Understand that vibration causes sound
To describe how pitch is changed
To explain how they can change the intensity (loudness) of
the sounds they created at the centers.

Background

We have read the section on sound and defined the related terms.
The students work in groups of 2 or 3.
Before we begin the centers, I go through the steps they need to
follow and the questions they need to answer.

Questions:

Kazoo: What is the variable that you chose?

What is your hypothesis?

Was your hypothesis correct?

Tube Tunes: What determines the pitch of the notes?

How can you change the intensity of the song?

What comparison can you make to the activity "Play the
Scale?"

Play the Scale: Analyze the pitch

What determines the pitch of the pop bottles?

How can you change the intensity of the song?

What comparison can you make to the activity "Play the
Scale?"

Revisions:

Include a scientific method sheet they will use as they complete the activity.
Write a summary using vocabulary terms of all the activities and send to
another class.

Have the students diagram the control and the variable to illustrate the
results.