

# “They’re all gonna laugh at you!” project

2008 Due dates: Tues, April 15<sup>th</sup> and Wed., April 16th

For this project you will need to build a musical instrument and play a song. You can use just about anything with the exception of an actual instrument or device designed to make sound. See me about reeds, strings, mouthpieces, etc. (I will be somewhat flexible but you must have permission first) Here is the rubric for your grade.

## Instrument

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- 1-Is that an instrument?
- 2-Making a musical instrument that plays just the notes you need. (4 notes minimum)
- 3-With a full octave
- 4-With sharps and flats
- +1 Making a musical instrument that sounds good, too.

## Performance: (1-5)

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Factors:

- A. Difficulty of song
- B. Performance of song:
  - 1. Correct notes
  - 2. Correct rhythm
  - 3. Well practiced
  - 4. Entertainment value

## Data and conclusion

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- +1 measured length values (depending on instrument)
- +1 and the frequencies associated with each note
- +1 and calculations shown for each length
- +1-3 brief discussion of project. What you learned, what went right/wrong. What you would do next time to make it better. Advice to future students

## Not required (extra points)

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Instrument Creativity: (using objects others didn't, craftsmanship, etc.)0-1pt

Writing the composition:0-1pt

Working with others on a composition with multiple parts:0-2pt

(This is harder because the instruments must be in tune with each other.)

Other: points at my discretion

The total will be added up and the grade will be roughly based on the following scale

<u>Score:</u>	<u>Grade:</u>
15	100
12	90
9	80
6	70

Well before the day of presentation, you need to come in with a piece of your instrument (chime, xylophone bar, pipe, etc.) and find out what length gives you what frequency. In this manner, you can calculate the lengths for the notes you want. If you have no clue what notes are in what song, try to make the instrument have a full octave with sharps and flats (with all the notes, you can do any song. Sort of)

If you need help or hints or whatever: ask me. Also seek help on the internet, or in books. Those are the things with pieces of paper inside and writing. They have them at places called libraries. It is time to make good friends with the band kids. Good luck. Please have fun with this! Mr. Parsons

Alternative assignment: make wind chimes. See me for information sheet.