Math 5 PROJECTS: (up to 20% of grade)

* Bulk of work done Wed. May 16 → Wed. May 30

* Presentations 6-8 pm Wed. May 30: 10 mins (eg 5 slides of powerpoint, or of demo)

* You may work in groups of 2 or 3 (max.), but level of detail should grow accordingly.

* Please choose a topic by Wed. May 16 and post to Aural Postings as a paragraph.

Suggested topics:

- Analyze a musical instrument in depth, using our tools, present background reading or modes, features, etc.

- Essay about history or technology of an instrument: ancient or modern.

- Design & build (or demonstrate) a new instrument: explain why produces the sounds it does. Eg: a 'formant machine'...

- Analyze reverberation & echo in a room, modify the room enough to change this & compare.

- Find bizarre acoustical echo environment & analyze.

- Computer-generated music as in Loy Ch. 9, or mathematical analysis of a composition.

There are lots of resources on our website & in our reserve books.

Your project should use our lecture material, but take you beyond it. Be creative.