

Musical Instrument Building Project

Your STEAM assignment is to build a musical instrument. This is a 2 week project. It's not a quicky one night *git 'er done* sort of thing. Plus there's some tech to it, so pay attention.

Basically, build a musical instrument.

I suppose I oughta say a bit more? OK.

- ♪ Make it out of stuff you find laying around, no shopping for specialty stuff needed
- ♪ Be creative. That means you might screw up a couple times. And it means your final product might not look like something you've seen before, even in your dreams.
- ♪ Keep trying. Remember that screwing up you might do? Don't let it get you down.
- ♪ You have to be able to bring your instrument to school to play
- ♪ You can blow, beat, strum, or scrape your instrument to make a sound. Or something else!
- ♪ It has to play one complete octave scale, at least.
- ♪ Keep track of your trial and errors. These are the key to engineering.
- ♪ Don't be afraid to ask your parents for help. This could be fun and they might like it, too!

Grading (gotta set the bar somewhere, right?)

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Junk	Homemade- 2 pts	Bought some pieces- 1 pt	Here's the receipt!- 0 pts	
Perseverance	Got it done! 3pts	Partly done. 2 pts	I got started! 1 pt	
Ingenuity	I've never seen anything like that! 3 pts	I started with a piano and a duck... 2 pts	I built my own harp! 1 pt	
Portability	Campfire tunes, anyone? 3 pts	Just tell me where to set it. 2 pts	Gimme a hand... 1 pt	
Octave	8 clear notes! 3 pts	I got a bunch that seem close. 2 pts	Are those sounds different? 1 pt	
Engineering notes	Check out my mistakes!! 5 pts	Uh, I got a page here... 2 pts	What? Notes? 0 pts	