

	Below Standard 4	Approaching 3	At Standard 2	Above Standard 1
Construction	Materials were contributed for an instrument poorly constructed	Materials were used in a functional way no creativity	Materials were selected and there was an attempt at creativity	Materials were selected and creativity was used creating the instrument
Knowledge	Explanation did not show understanding of sound and pitch	Explanation of the instrument shows accurate and inaccurate understanding of the sounds and variation.	Explanation of the instrument demonstrates some understanding of sounds and vibrations.	Explanation of the instrument shows accurate understanding of subject of sound and pitch.
Function	Fatal flaws in the functionality that lead to no sound or no clear sound.	Instrument functions adequately but not sounds are not clear.	Instrument functions well and produces at least one pitch clearly.	Instrument functions well and produces all necessary pitch and volume.
Critical attributes	Student cannot determine what type of instrument was built or how to demonstrate sound.	Student can accurately describe materials needed to create instrument but uncertain of how sound is created.	Student can accurately describe the instrument created, and how the instrument should produce a sound.	Student can accurately describe the instrument created and can produce the required sounds.
Appearance	Instrument is in pieces and messy.	Instrument was decorated but messy.	Effort was shown to decorate instrument. Minimal attributes were present	Instrument was decorated creatively. Attributes which were pleasing to view.
Presentation	Little or no effort with the presentation	Minimal effort with presentation 2 or more materials missing.	Presentation was organized but lacked one or more materials.	Presentation was organized and ready to present.
Total scores				

## ENGINEERING: HOMEMADE INSTRUMENT RUBRIC