Rubric For Assessing Arts in STEM: Engineering Design Challenge

Criteria	Satisfactory (3)	Emerging (2)	Unsatisfactory (0)
Volume of Instrument	The instrument **CAN** demonstrate both a soft and loud volume	The instrument can only demonstrate either a soft, or a loud volume and/or it is very difficult to discern between the loud and soft volumes demonstrated by the instrument	The instrument **CANNOT** demonstrate both a soft and loud volume
Pitch of Instrument	The instrument **CAN** demonstrate both a high and low pitch	The instrument can only demonstrate either a high, or a low pitch and/or it is very difficult to discern between the high and low pitches demonstrated by the instrument	The instrument **CANNOT** demonstrate both a high and low pitch
Materials Used in Composition	The instrument constructed is comprised entirely of household materials (ie rubber bands, tissue boxes, pipe cleaners)	The instrument constructed is comprised of mostly household materials (ie rubber bands, tissue boxes, pipe cleaners), but some materials used were clearly purchased as a part or a whole (ie a canvas cover for a drum on a homemade drum)	The instrument constructed is not made of household items. It is evident that the instrument used to demonstrate was either purchased as a whole or most of the parts were purchased as whole and assembled
Presentation Slide	A single power-point slide was submitted that included a picture of an initial design, a picture of the final instrument product and a list of materials used.	A single power-point slide was submitted that included a picture of an initial design, a picture of the final instrument product and a list of materials used, but one of the items listed previously are missing (ie a picture of the final instrument is missing)	A single power-point slide was **NOT** submitted that included a picture of an initial design, a picture of the final instrument product and a list of materials used or two or more of the items listed previously are missing

Final Score = (# of points earned in each category/12) x 100

Final score = _____ = (____ /12) x 100