ENGINEERING DESIGN CHALLENGE: ECHOLOCATION INSTRUMENT

NAME: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _   DATE: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

DRAW A SKETCH OF YOUR ECHOLOCATION DEVICE BELOW.

The instrument family which inspired my echolocation device is the _.

My device is similar to this family of instruments because
_ _
_ _
_ _

My device works similarly to echolocation because
_ _
_ _
_ _

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NAME: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _   DATE: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

MUSICAL NOTES BANK

♫　👏　👏　　　♩　👏　𝄽

Volume:_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _   Pitch:_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Volume:_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _   Pitch:_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

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ECHOLOCATION INSTRUMENT RUBRIC

Criteria	0	1	2	Notes
Device makes a sound				
Device can be operated by one hand				
Device can change pitch or volume				
I explain how my device works like echolocation				
My device in inspired by an instrument family				
I write and play my echolocation "sound song"				
Constraints				
My device works with no additional materials				
I only used the provided materials for my device				
			Total	_____/16