Annex 5 – Proposal Example

Description

The musical instrument will consist of seven metal tubes of equal length which are submerged in water in the trough. The metal tubes will be submerged within the water at different distances (measured from the bottom of the metal tube to the surface of the water). The length can be changed by pulling the metal tubes up from the water using a string. One of the metal tubes is fixed, while the positioning of the others will vary. Three musicians will pull the strings to vary the distances from the bottom of the trough to vary the amount of water in each of the tubes. Each musician will be controlling two metal tubes. The other two musicians will be using metal rods to strike the metal tubes to create a vibration in the metal tube, and consequently, a musical note. In order to make sure that the musicians varying the lengths of the tubes are getting to the right distance to produce the correct note, there will be a board against which the string will be pulled. This board will have markings detailing the specific notes, such that pulling to different markings will lead to different distances (again, distance being the difference in the position of the bottom of the metal tube to the surface of the water).

Materials

- 7 metal tubes of equal length (2 inches in diameter, 18 inches in length)
- 4 rods/drumsticks/mallets to hit the tubes with (we can use whatever is available)
- jug or pitcher
- trough for water that all the tubes can fit in (Max has one, so no need to purchase)
- string to hang the metal tubes
- poster board/cardboard