

Science Olympiad 2018-2019 Season Sounds of Music Checklist / Data Sheet

Version 1.1

Event and Construction Requirements

- 1. Competitors construct only 1 device
- 2.a. Reference materials secured in 3 ring binder
- 2.e. Log submitted
- 2.f. Competitors must be able to answer questions about the device per the Building Policy
- 3.a. No electrics, electronics, toy or professional instruments or components except strings in device
- 3.c. Competitors may not hum or sing
- 3.d. Device fits in 60.0 x 60.0 x 100.0 cm box
- 4.e. Students put tuner away after 2 mins

Pitch Score Tests

Major Scale _____			
Pitch #1: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #2: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #3: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #4: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #5: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #6: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #7: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		
Pitch #8: Target Note _____	or Skipped	Y	N
Measured Freq _____	or Cents off _____		

Team Information

Team #: _____

Team Name: _____

Competitor Names: _____

Log (each item can get 0 – 2 points)

List of materials in device	_____
Data on pitch accuracy vs. design change	_____
Includes at least 5 data points	_____
Proper labeling (e.g. title, name, units)	_____
Labeled device picture/diagram	_____

Volume Score Test

dBs (max 85)	_____
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Part I: Written Test

Exam Score	_____
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Penalties

Competition violations(s)	Y	N
Team didn't bring a device	Y	N
DQed for unsafe operation	Y	N
Construction violations corrected	Y	N

Team Verification

4.h. I verify the event supervisor has reviewed with me my team's recorded device testing data.

Signature _____