



## Instrument Guidelines

Teams can make one or more musical instruments. Your instrument(s) must:

- Be acoustic
  - No electronic or programmable instruments or electronic amplification
  - Your instrument could be wind, percussion or stringed, or something else!
- Be able to produce notes in a scale of at least one octave
  - You must be able to play a scale of eight notes in any register (as high or low as you like)
  - The notes must be clearly audible
- Be made mostly from repurposed or recycled materials
  - Be creative and re-use old materials.

For help in understanding the science behind how musical instruments work we have prepared a set of activities, **Investigating Music**, that you can carry out in class or STEM club. The teachers' guide and worksheets can be found on our web site.

## Poster Guidelines

We want to see one poster per team, showcasing your design and explaining the science behind it.

Your poster must be one side of A4 or A3, and can be:

- Made on computer and submitted by your teacher as a pdf file, or
- Hand drawn and a good quality photograph submitted by your teacher

It must be original work by your team only, please don't use templates.

We want to see:

- How you arrived at your design
- The science behind the sounds made by your instrument
- How you made use of repurposed or recycled materials
- Your team name and school name must be clearly visible on your poster

## Performance Guidelines

We want to see a short video of your instrument being played. Videos must be submitted by your teacher. You must have permission from a parent or carer which your teacher must confirm.

The video must be no more than 2 minutes long, and in mp4 format.

The performance must only feature team members, but you do not all have to perform if you don't want to.

We want to hear

- Your team name and school name: please say it at the start!
- An octave (eight note) scale
- A short piece of music of your choice
- You do not have to be talented musicians: we are looking for a fun showcase of your instrument and not a virtuoso performance!