**The Science of Sound: Whipple Museum**

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|  | 10-10.30 | 10.30-11 | 11-11.30 |
| Group 1 | **Tour of the museum** | **Create an instrument – learning gallery** | **Changing sounds – Learning gallery** |
| Group 2  | **Tour of the museum** | **Changing sounds – Learning gallery** | **Create an instrument – learning gallery**  |

**Tour of the museum**

Which of the objects in the museum might make a noise? Which are designed to measure sound? Why is sound important in how we think about the world and understand it?

Key objects: wave demonstrators, clock, anatomical models, magic lantern, space game

**Changing sounds**

How can we make a difference to the sound something makes? Experiment with the museum’s duochord, tuning forks and other objects to find out how sound can be changed and measured. Find out why there are different sizes of instruments and what difference that makes to the sounds they can make.

**Create an instrument**

There are lots of different ways to make something make a sound. Experiment with different ways of creating sound to make your own musical instrument. How many different noises can you make it make? Please note that we will be experimenting with our instruments but not taking them home – we need to reuse the materials for future groups.