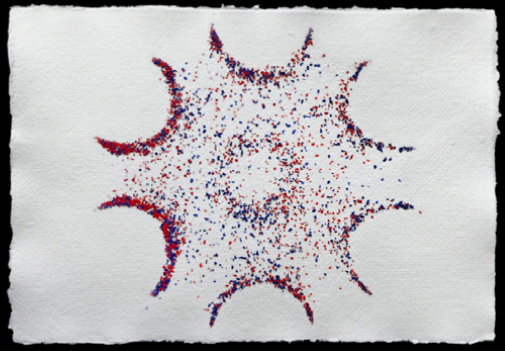
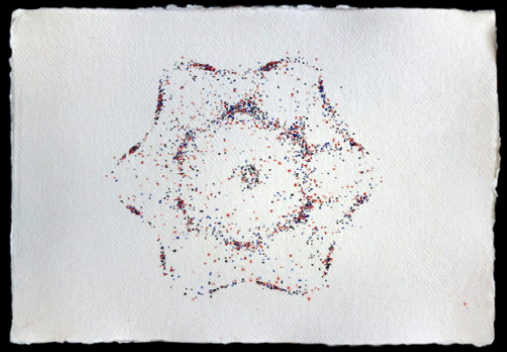
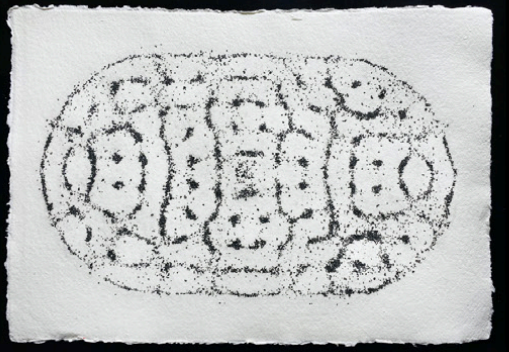
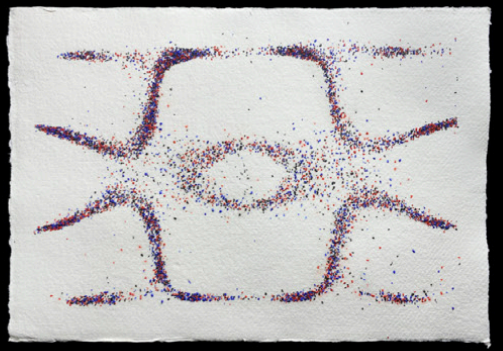
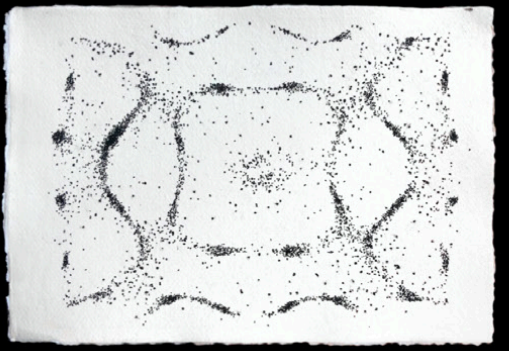
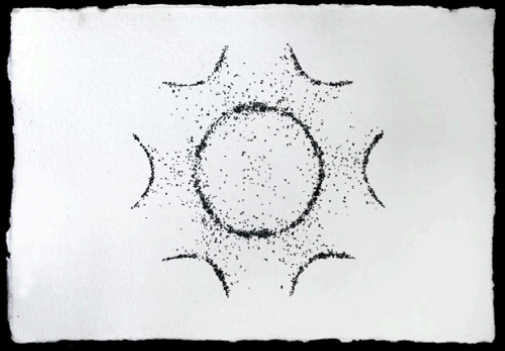
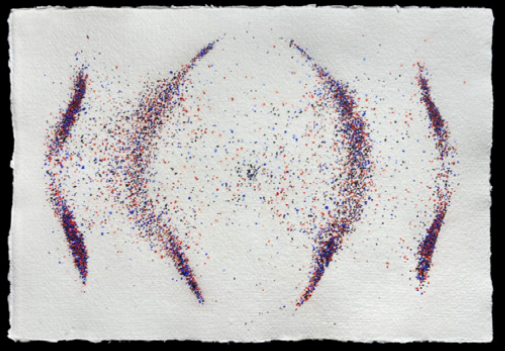
Sonic Pattern Workshops



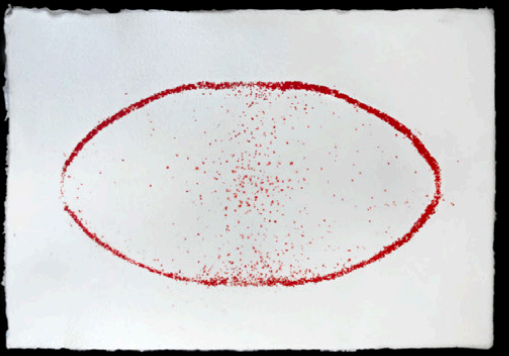




Making the Invisible Visible

with Ruth Montgomery and Chris Wight



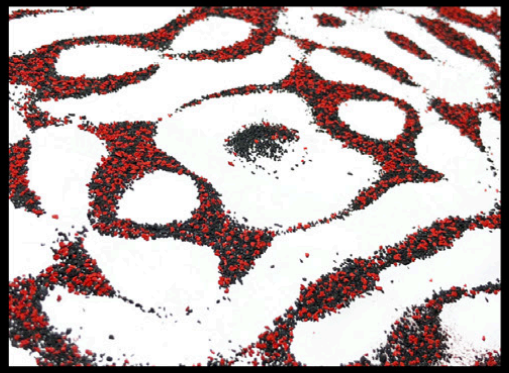
Seeing and Feeling Sound in Action



Photographs by Charlie Swinbourne - www.charliesportraits.com

Flarewave Festival 2025 - Workshop participants exploring the vibrational link between Sound & Sound Source, and creating their own Sonic Patterns to print. BSL interpreters (seen here in blue) enable access to our workshops for deaf groups.

Sound Visualising Media



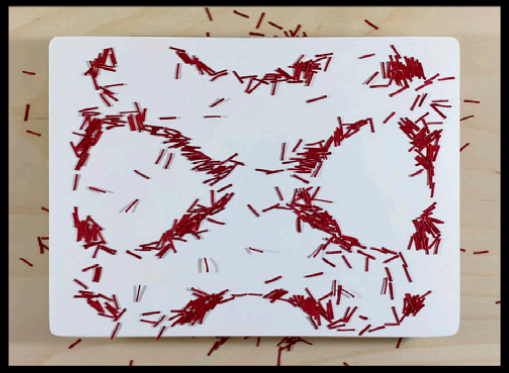




Paint granules

A custom-built Sonic Vibration Generator (SVG) transforms Sounds made by workshop participants into vibrations on 'vibration plates' of different shapes. The 'vibration plates' double as a printing plates, enabling participants to capture a dynamic moment of sound as a Sonic Pattern to print and take home.

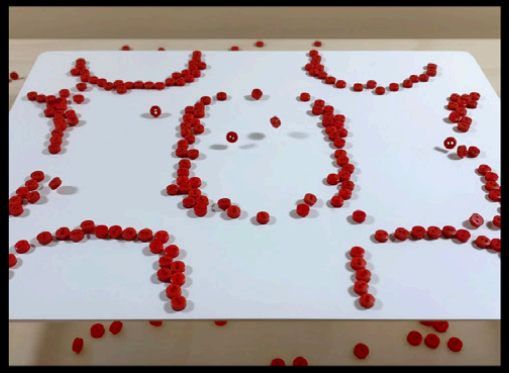
Various kinds of Visualising Media become 'physical pixels', revealing invisible Sonic Vibrations and Sound Wave patterns on the vibration plates. In this highly engaging way, workshop participants gain an insight into the vibrational link between Sound and Sound Source.







Threads



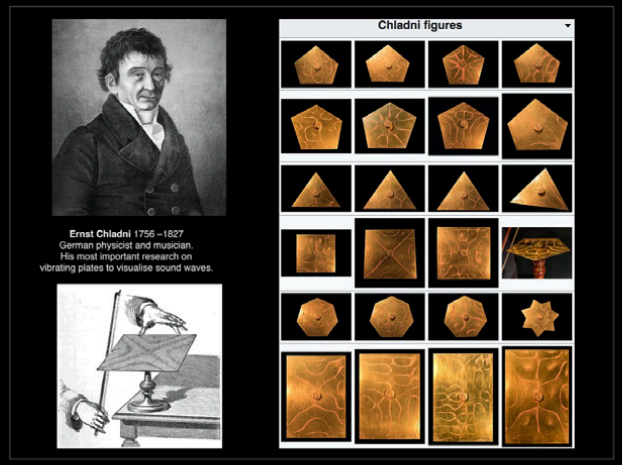


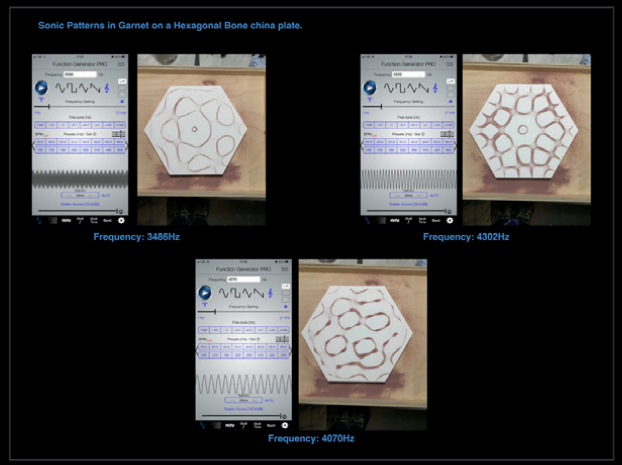


Buttons

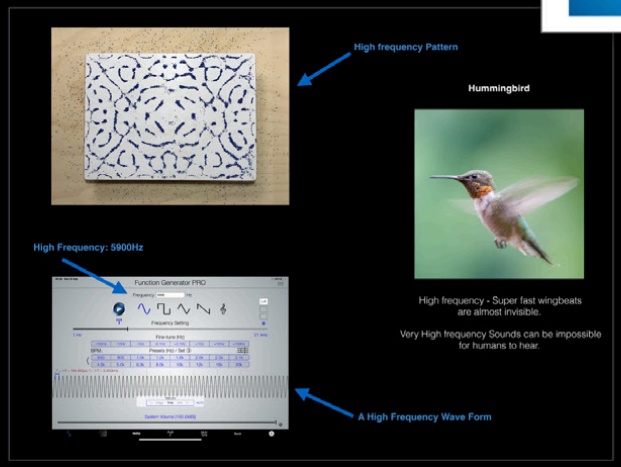
Using a range of musical instruments, vocalisation and highly resonant bone china to create their sounds, and as the Sonic Patterns instantaneously form and transform before their eyes on the SVG, participants can observe and learn about the physical dynamics of sound and sound behaviour.

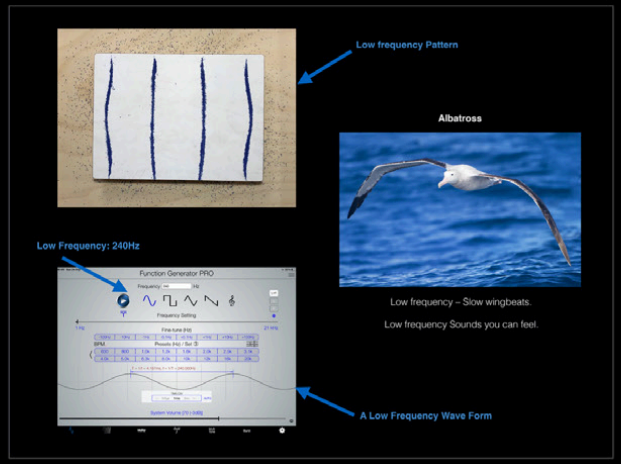
Teaching Slides



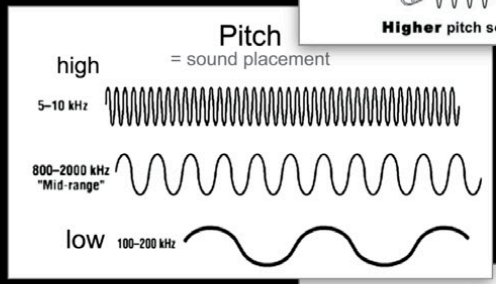


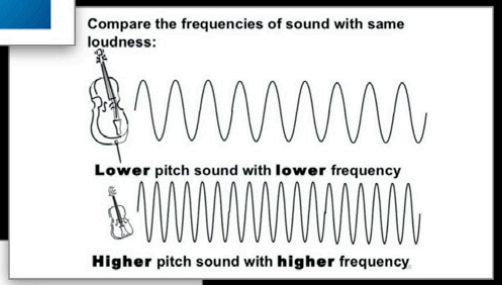
Examples of teaching slides used when working with school children of different ages.

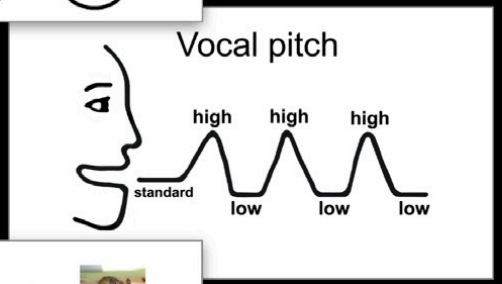


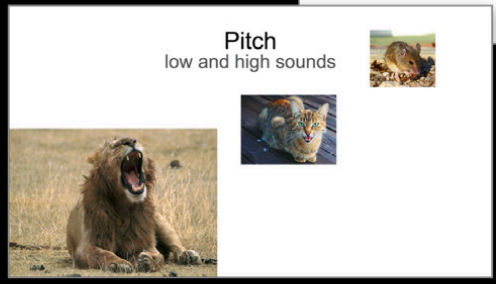






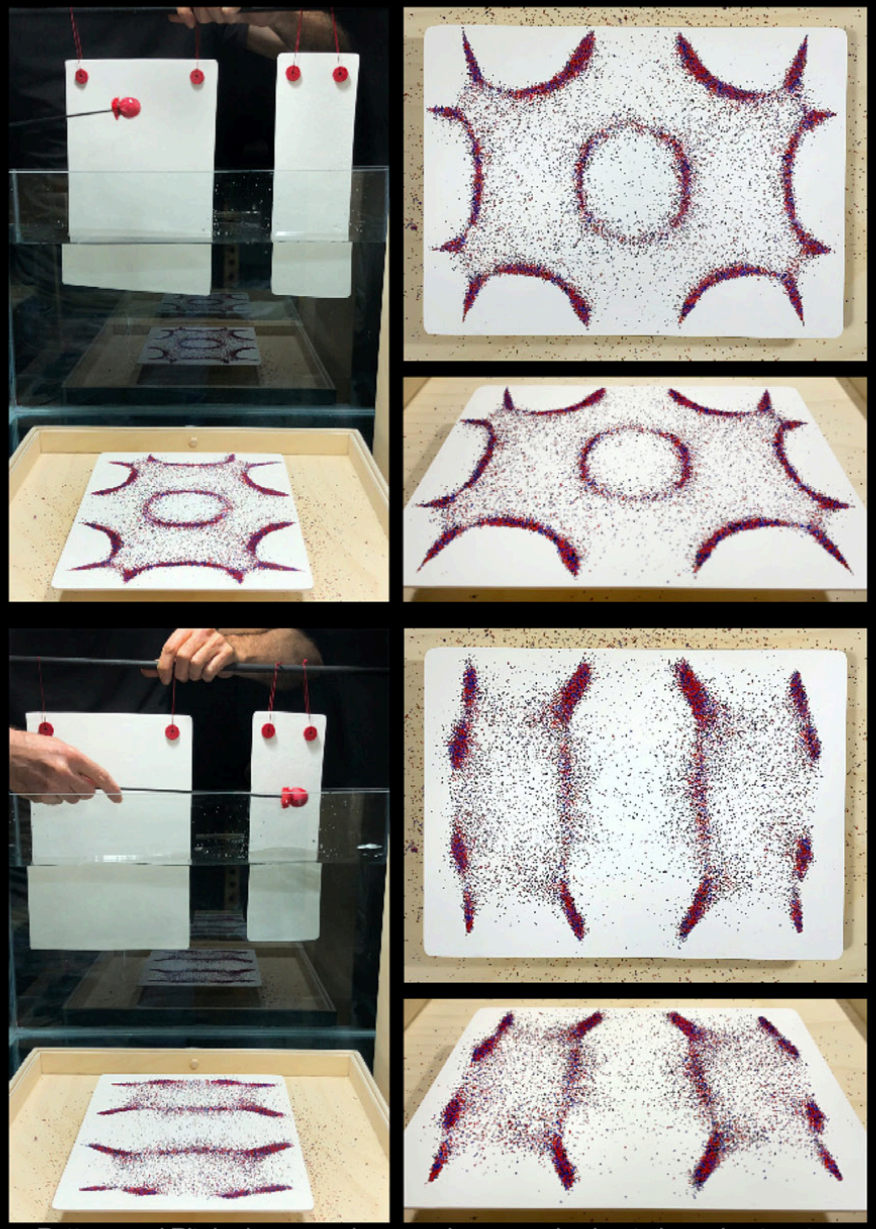






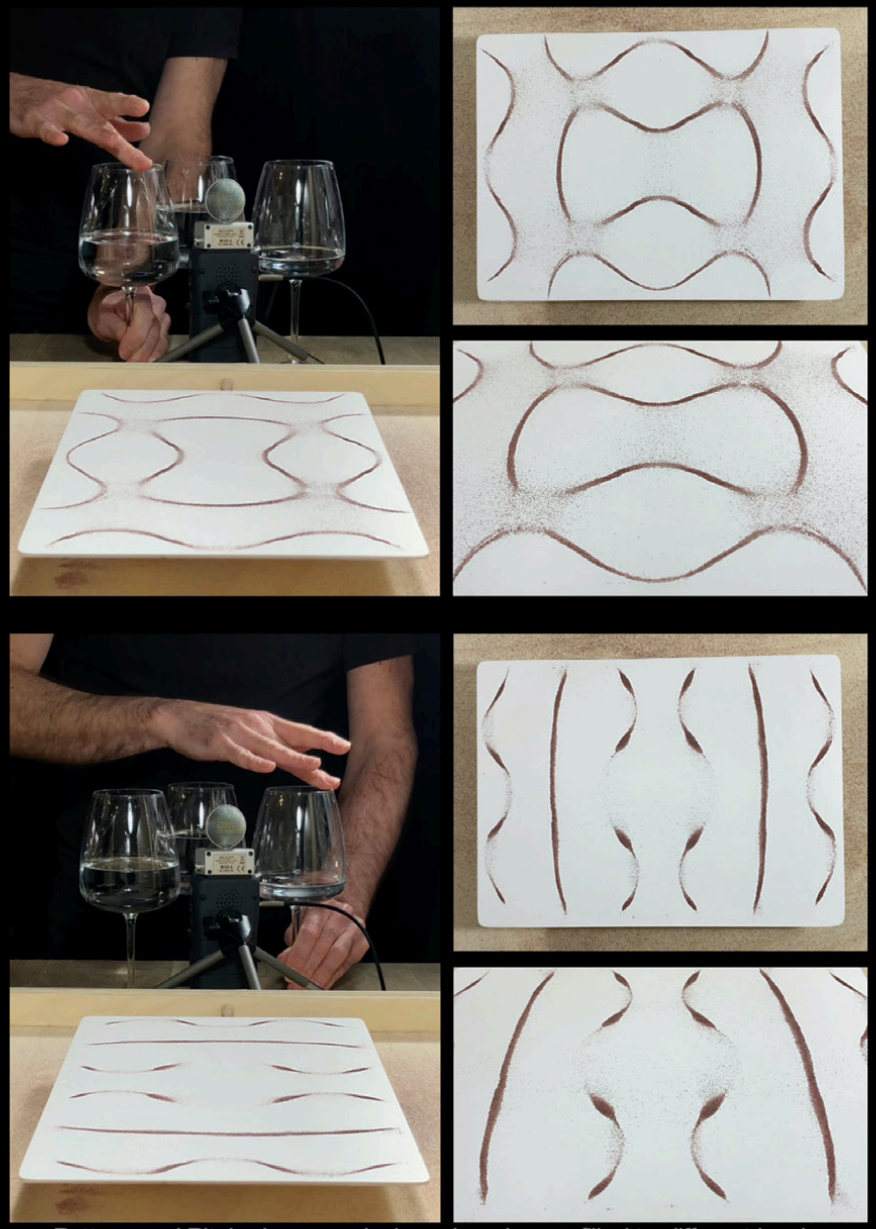
Demonstrations on Pitch

Pitch Bending with a fish tank and sheets of Bone China.



Pattern and Pitch changes when moving ceramic sheets in and out water.

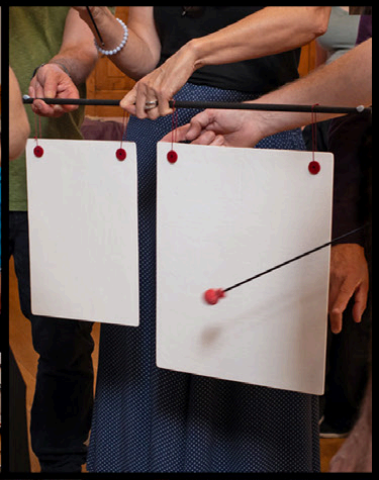
Pitch Patterns with water filled wine glasses.



Pattern and Pitch changes playing wine glasses filled to different levels.

Sound + Vibration = Pattern & Print

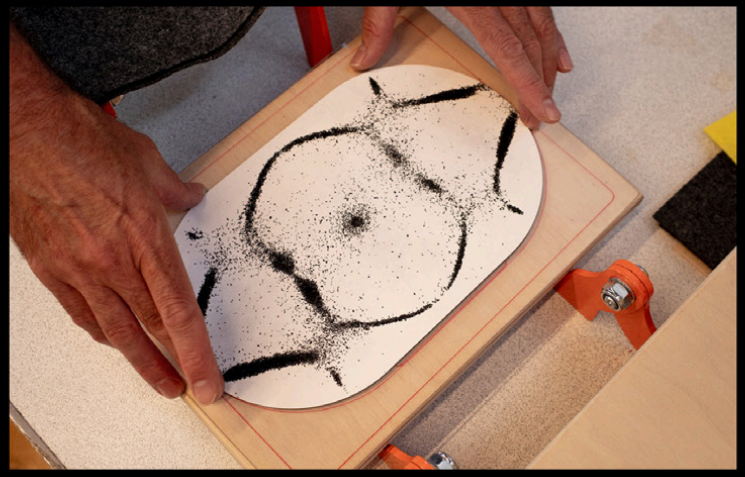




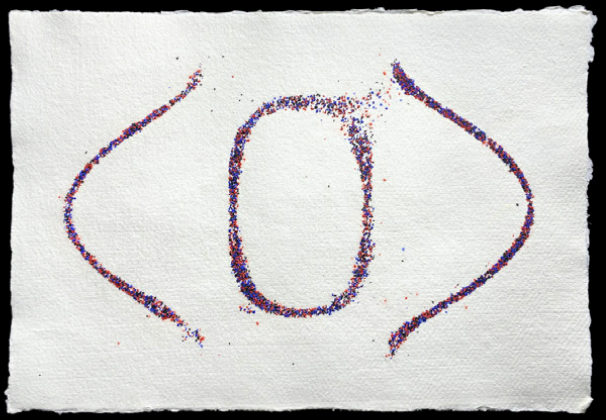


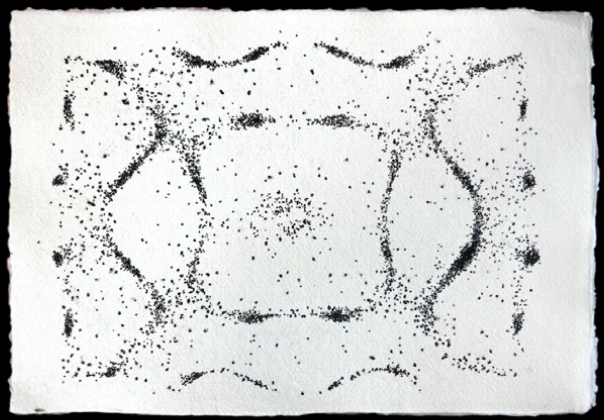


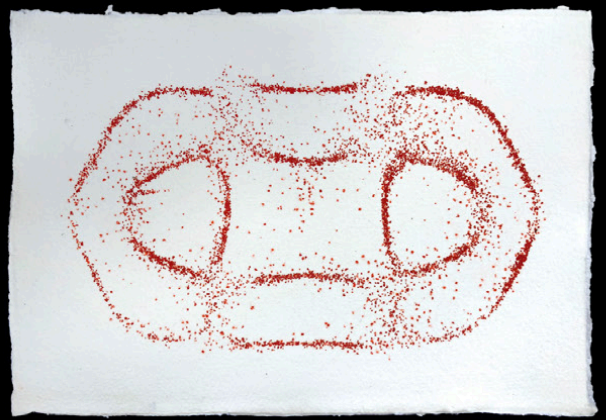




Photographs by Martha Wight.







Sonic Pattern Workshops for all age groups

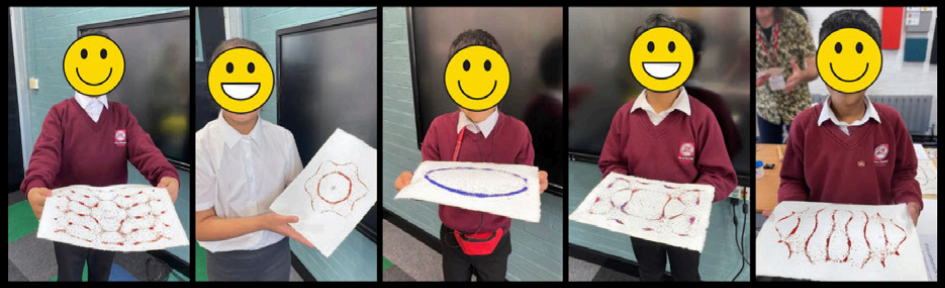









Photographs by Martha Wight.





Top Row: Workshop participants at Flarewave 2025 - Discuss the Feeling of Sound as they experience its intrinsic Vibrational component.

Bottom Row: Our very first Sonic Pattern Workshop with pupils at Percy Shurmer School for the Deaf.

Edinburgh Deaf Festival








The process of revealing invisible sound wave patterns through vibration elicits amazement, excitement and enthusiastic questioning from deaf participants at the Edinburgh Deaf Festival 2026.



Sonic Pattern Workshops

* Create and Visualise Sounds

*Make Patterns with Sound Waves

*Print your own Sonic Patterns

*See how changes in Pitch alter Patterns

*Explore the Physicality of Sound

*Magically reveal Invisible Sound Waves

---

*Workshops devised for both deaf and hearing participants, and different age groups

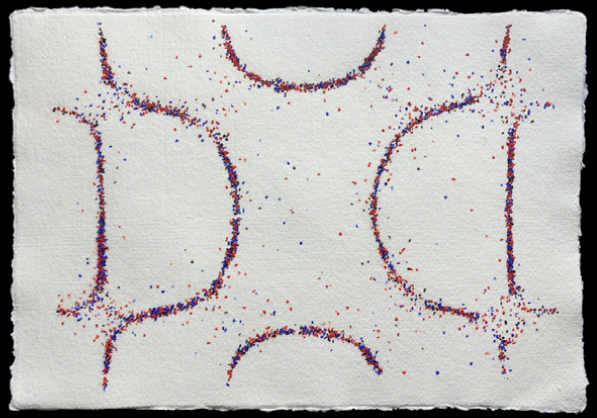
*BSL interpreters present at workshops for deaf groups

What people have said about the Sonic Pattern Workshops -

"..heartfelt thanks once again.The pupils had a fantastic time and were talking about it for ages. Even now when the staff mention it the pupils can recall what they did. Thank you so much for sharing this experience with the pupils" - Sarah Mannion, Braidwood School for the Deaf.

"We used the vibrations from sound waves to create beautiful printed patterns. It was amazing - I'm definitely going to frame it and hang it up on the wall - thank you!" - James Merry , Flarewave festival participant.

"Thank you for bringing yet another fantastic experience for our pupils and allowing them to experience the world of sound in a way they wouldn't normally get chance to do. Please pass our massive thanks to Chris as well for showing us and allowing us to play with sound." - Braidwood School for the Deaf.

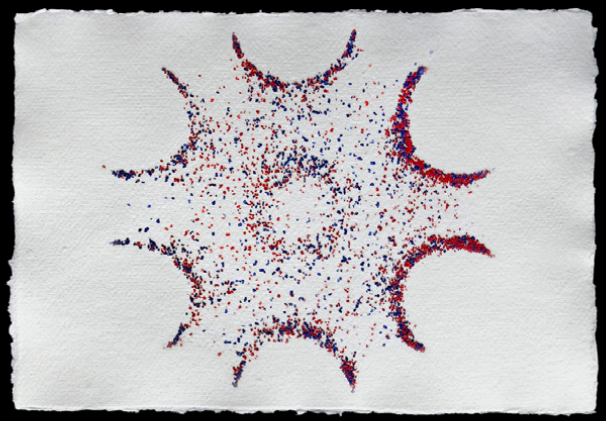






AUDIOVISABILITY

Ruth Montgomery is Founder & Artistic Director of Audiovisability, a charitable organisation that brings the highest quality of music and musical opportunity to deaf people through teaching and outreach projects. Working with deaf role models, using sign language and visual resources to ensure full access to music.



To enquire about the Sonic Pattern Workshops please contact us to learn more: -

Ruth Montgomery
e: ruth@audiovisability.com
w: www.audiovisability.com

Chris Wight
e: chriswight@cone8.co.uk
t: 07969 423245
w: www.cone8.co.uk



Chris Wight is a ceramic artist who combines traditional skills with new technologies to create highly technical pieces at various scales.
His current work harnesses the Sonic and Acoustic properties of fine bone china to design vibra-tactile plates that explore sound movement and visualisation through vibration.

