

SONIFICATION WITH GLENN MCCLURE

TALKING POINTS

KNOWLEDGE

1. What is sonification?
2. How is sound currently used to interpret scientific data?

COMPREHENSION

3. Can you think of examples where sound is used for threshold analysis?
4. How would you describe the similarities between music and complex datasets?

APPLICATION

5. What three arguments might you use to persuade a company or a scientist of the benefits of Music in the Numbers?

ANALYSIS

6. Why do sonified data have to be tailored to different users?

SYNTHESIS

7. Can you see ways to bring science and music together in your school?

EVALUATION

8. Do you believe that music could become widely used to interpret data in the future? Why/why not?

ACTIVITIES YOU CAN DO AT HOME OR IN THE CLASSROOM

- Visit the 'Members' section of the AAWC's website. Choose an artist whose work you find particularly inspiring and create a 10-minute presentation about them to show to the rest of your class: www.aawcollective.com/members
- Imagine you are part of a school debate, arguing for the motion that science and music should be more closely integrated in your school. Write a two-minute opening argument, summarising your key points as concisely as possible.

MORE RESOURCES

The AAWC's website contains information about each member of the Collective, as well as upcoming exhibitions and events:
www.aawcollective.com

- Many members of the AAWC are both artistic creators and teaching artists and offer a wide range of outreach opportunities.
- Back on the AAWC's 'Members' page, you will find artist profiles, many of which have a link to a personal website. There, you can find out about opportunities offered to students.

Read about Glenn's trip to Antarctica on his blog, where you can uncover much more information about his fascinating work:
<https://artforbrains.com/glenn-in-Antarctica/>

- Glenn offers arts-integrated residencies to K-12 schools, both in-person and virtually. Contact Glenn for more information:
glenn@artforbrains.com
- He also provides professional development workshops in STEM to STEAM curriculum strategies for both science and music teachers.
- In 2006, Glenn talked to award-winning science journalist Dava Sobel about the role music played in Galileo's work. Listen to their conversation here: www.npr.org/transcripts/5420134?ft=nrml&f=5420134