

# The Sound Factor

**KLAs:**  
Science / Creative Arts

**LESSON TOPIC:**  
Sound / This lesson is a performance

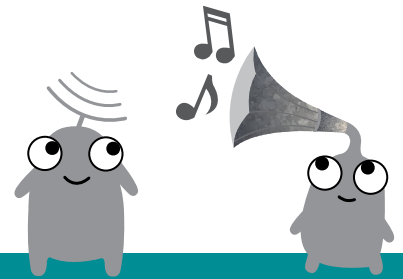
**YEAR LEVEL:** K-6

**DURATION OF ACTIVITY:**  
45-50 minutes



## Performance!

The Sound Factor is a fun performance using theatre, comedy and audience participation to explore the physics of sound. Our presenter will take on a variety of characters to engage the students with concepts such as frequency and amplitude, how humans and animals hear and make sounds differently, and how different instruments create music! Up to 12 students can participate in the performance and everyone will have a chance to take a closer look at the costumes and props after the show. Your school can book The Sound Factor for a whole group of Discoverers before or after your other Voyager activities, or as a stand-alone event.



### SYLLABUS OUTCOMES

#### ES1 – S3: SCIENCE

- Knowledge and understanding – Physical World: ST1-6PW; Living World: ST3-1OLW
- Skills – Working Scientifically: Ste-4WS

#### CREATIVE ARTS

- Music – Performing: MUESS1.1, MUS1.1, MUS2.1, MUS3.1; Listening: MUES1.4
- Drama – Appreciating: DRAES1.4, DRAS1.4, DRAS2.4

### LEARNING OUTCOMES

Students will:

- Develop their understanding of how humans hear and produce sounds
- Experience how wavelength, frequency and amplitude change the pitch and volume of sounds
- Explore how different animals use sound for survival and communication
- Help to demonstrate how various types of musical instruments produce sound

## VOYAGER

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