



**For children and families  
Are you curious? Do you  
feel like being creative? Well  
then, this workshop is simply  
perfect for you!**

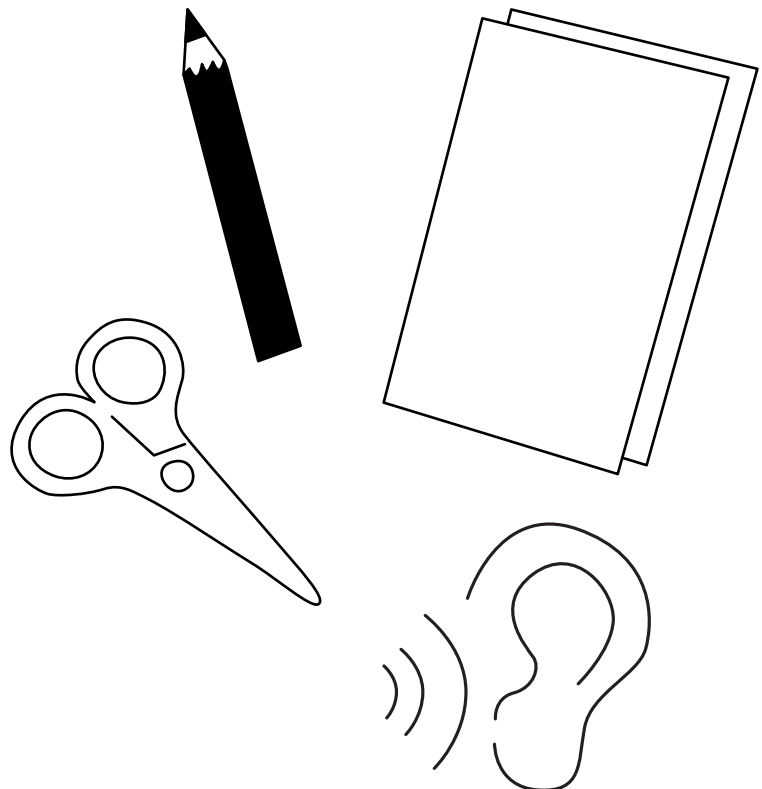
## **ÖTZI'S WORLD IS FULL OF NOISES AND SOUNDS**

**Ages: 7+**

**You will need:**

Scissors  
Time to listen

The museum is not responsible  
for any damage. Carry out the  
workshop at your own risk.



## Hello!

What noises and sounds have you heard today? Maybe birds chirping, an alarm clock ringing, cars driving by, leaves rustling...

Our ears detect noises and sounds. That is what we call hearing. Everything we hear is actually vibrating air. These air vibrations are also called sound waves.

In order to hear something, sound waves need to make our eardrums vibrate.

Sound waves can do that: They spread through the air.

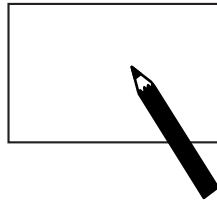
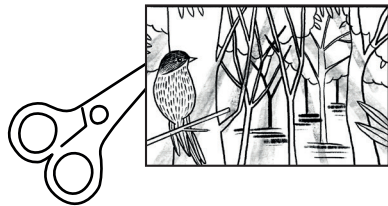
But our ears can do much more! Our sense of balance also has to do with our ears.

They help us to keep our balance, e.g., when we stand on one leg. Give it a try!

How do people speak if they cannot hear? Deaf people speak their own language: Sign language. It works with the help of hands, facial expressions, and mouth movements.



## Instructions for the matching game "Ötzi's world is full of noises and sounds"



**1**

Please cut out the picture cards and put them on the table. Carefully look at the picture cards. Are you ready for a sound journey? Close your eyes and listen.

**2**

Which noises, sounds, and tones did you detect? Were they animal noises or even the sounds of a fire? Did you only hear Ötzi or other noises made by people?

**3**

What did Ötzi experience today? Try to match the noises, sounds, and tones with a picture card. Alone, with your parents, or friends. You can even think of pictures yourself and draw them.

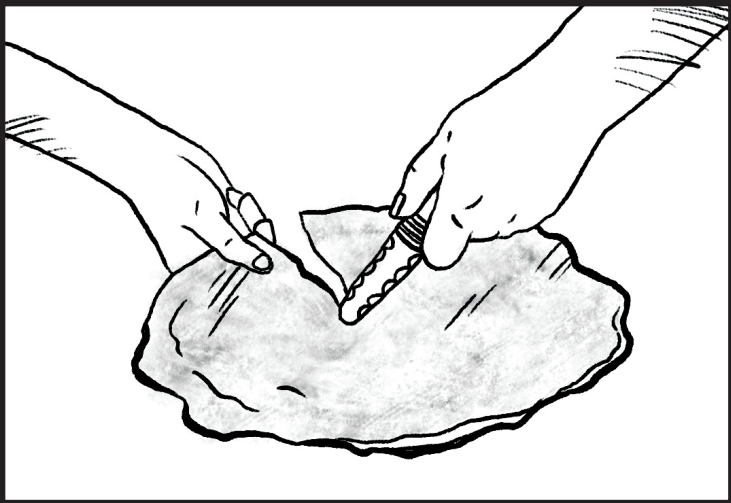
## Archeo

### **Imagine:**

People were already making music more than 40,000 years ago. We know this because archaeologists have found fragments of flutes. These are the oldest musical instruments and were carved from swan and griffon vulture bones or from mammoth ivory by people who lived in caves in the Ice Age. People have probably always enjoyed singing, playing musical instruments, and dancing together.



**Would you like to learn more?**  
You can find further information at [www.iceman.it](http://www.iceman.it).





# ArcheoChildren

