

The Senses Science Show



**Information for teachers
and group leaders**

What will the show involve?

In this 30min show children will learn about our five main senses and the parts of the body associated with each one. Containing a mix of presenter led and volunteer demonstrations as well as full audience participation this is a fun way of introducing the topic or consolidating knowledge for both Early Years and KS1 groups.

Is there anything I need to do to prepare the children before the visit?

Not particularly. It can be helpful if children have been doing something about their senses at school or nursery setting but not essential.

Risk assessment

- Please visit our website education.eureka.org.uk/resources to download both the general museum risk assessment and the one for your chosen session.
- We advise you to make a preview visit to carry out your own risk assessment for the overall visit.

Evaluation

Eureka! constantly aims to improve its programmes for school groups and feedback from adults and children is an essential part of this. We value all comments made and will always try our best to act upon them. You will be sent a link to an online survey following your visit and we'd be extremely grateful if you could complete and return as soon as possible.

Additional resources & information

The following pages contain various supporting resources and information related to the science show.

Please find the following documents in this pack:

- **Teacher's assessment chart** - *this outlines the aims and objectives of the show and their learning outcomes.*

The Senses Science Show Learning Outcomes

Aims and objectives – by the end of this science show children should have learned:

- That we have 5 senses and the parts of our bodies linked with each sense send information to our brain to help us understand and make sense of the world around us.
- How sight is our main sense and why two eyes are better than one.
- How sounds are made and how we hear them using our ears.
- That our tongue can detect 5 main tastes.
- How we smell things using our noses.
- How we might use our sense of touch to identify objects even if we can't see them.

Overview: Through a series of interactive activities, powerpoint presentation and discussion, children will learn about the 5 main senses.

Activities	Learning Outcomes
Introduction to the show	<i>Brief discussion about each of the 5 senses and to identify the part of the body associated with each one.</i>
For EYFS – the class use their sense of sight in a game of spot the difference For both – discussion about why we have 2 eyes and the difference between where our eyes are compared to certain animals For KS1 - some optical illusions are shown on the screen to show how our eyes can play tricks on us.	<i>That the pupil in our eye lets light in and that's how we see. For KS1 – how our pupils get bigger or smaller depending on the amount of light around you. How having two eyes helps us to judge how near or far away something is. That how wide we can see is called our field of vision. How some animals have animals on the side of their heads so they can see things all around them.</i>
An instrument is used to show how sounds are made by vibrations Various sound makers are used and volunteers are asked to match the sound to the picture	<i>That sounds are made when objects vibrate and these sounds travel through the air to our ears. To encourage children to use descriptive language when giving answers.</i>
How our tongue detects tastes and what these tastes are. An interactive class game with to identify what taste certain foods/drinks are.	<i>That the 5 main tastes are sweet, salty, sour, bitter and umami and these tastes can be detected on every part of our tongue.</i>
Volunteers are asked to describe a selection of smells from the smell pots and see if they can match the smell to a picture clue card	<i>How we use our noses to smell. To encourage children to use descriptive language when giving answers.</i>
How we feel touch through our skin Volunteers are blindfolded and asked to describe what they can feel to the audience. Can they guess what it is?	<i>That our sense of touch comes from our skin, not just our hands and some parts of our bodies are more sensitive than others. KS1 - That our skin is the largest organ of our body. How we might use our sense of touch to identify objects we can't see.</i>