

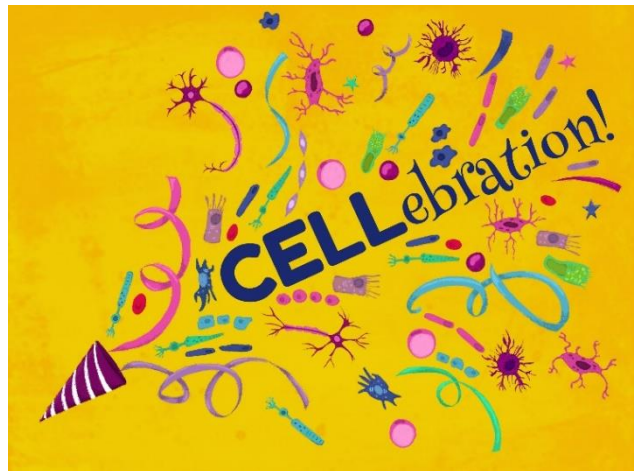
# CELLebration

It's time to celebrate the amazing cells that make up all living things! Discover the weird and wonderful world of unicellular organisms, find out how scientists look at cells using magnificent microscopy and search for the cell types that make up your hand. Customise cells to adapt them for different jobs, take on the roles of different cell organelles in a protein building challenge, and discover how many cells your body can make in 30 seconds!

Running time: 60 minutes

Maximum group size: 70 on site  
120 in schools

Suitable for: Year 7 – Year 9



The show includes sections on the following:

1. Cells are the fundamental unit of living organisms
2. Unicellular organisms
3. How small are cells and how can we look at them?
4. Different cell types in humans
5. How are different cell types adapted to do their jobs?
6. The functions of cell organelles
7. The future of cell research

## **Key stage 3 Science curriculum links**

### **Structure and function of living organisms**

#### **Cells and organisation**

- cells as the fundamental unit of living organisms
- the functions of the cell membrane, cytoplasm, nucleus, vacuole and mitochondria
- the structural adaptations of some unicellular organisms
- the hierarchical organisation of multicellular organisms: from cells to tissues to organs to systems to organisms

