

# SCIENCE

# UNDER THE LENS

Find these scientific instruments around the Museum



## Theodolite

1806

Used for precise measurement of horizontal and vertical angles, traditionally in land surveying.

*Transit theodolite by Edward Troughton, London, bearing an inscription in Latin indicating that it was presented to John Playfair, Professor of Physics, Edinburgh, by the pupils of the higher mathematics class in 1806.*



## Telescope

c. 1730

A versatile instrument which uses lenses to allow users to view distant objects.

*Reflecting telescope with brass barrel with blackened shagreen cover, in a fitted rosewood box, by Edward Scarlett, London, c. 1730.*



## Microscope

c. 1745

Used to look at very small objects that would otherwise not be visible with the naked eye.

*Microscope of brass, fixed pillar, in wooden box, by John Cuff, London, England, c. 1745.*

# National Museum of Scotland

## Level 5

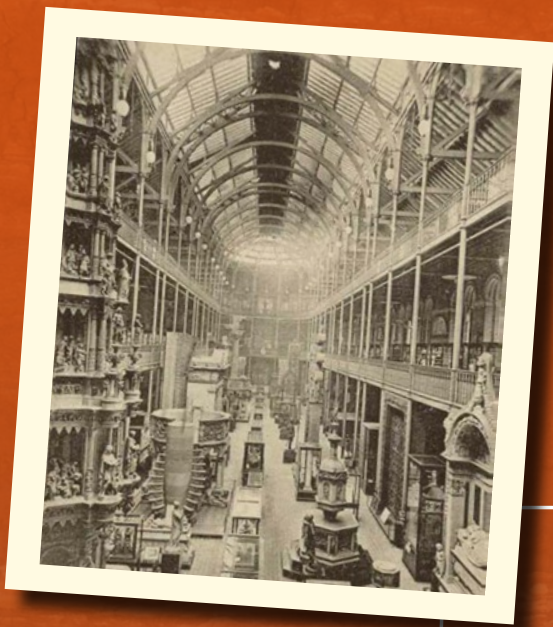


Enquire



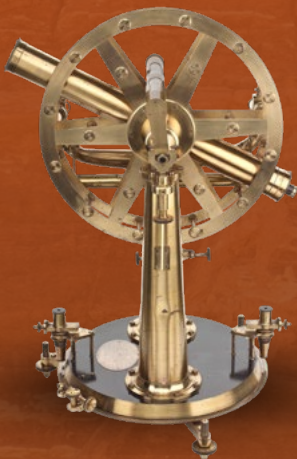
## Level 1

Science and Technology



Natural World

Earth in Space



Key:



**Theodolite**

Level 5

West  
Balcony



**Telescope**

Level 1

Natural World  
Earth in Space



**Microscope**

Level 5

Science and Technology  
Enquire

What do you think these are used for today?

How much better do you think today's telescopes are?

What would you put under a microscope?