## A first adventure with ...



### **Poynton Beavers**

November 2023

Mike Mahon Manchester Microscopical Society 1880



www.manchestermicroscopical.org.uk

## <u>Beavers</u> are young people who:

- Master new skills and try new things
- Have fun and go on adventures
- Make friends
- Are curious about the world around them
- Help others and make a difference
- + Gain Science Badges



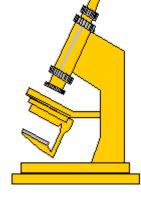
# Questions ?????

- Why do you need a microscope ? Eye .
- What does a microscope do ?
- What are the types of microscopes ? Simple Stereo

,

Magnify

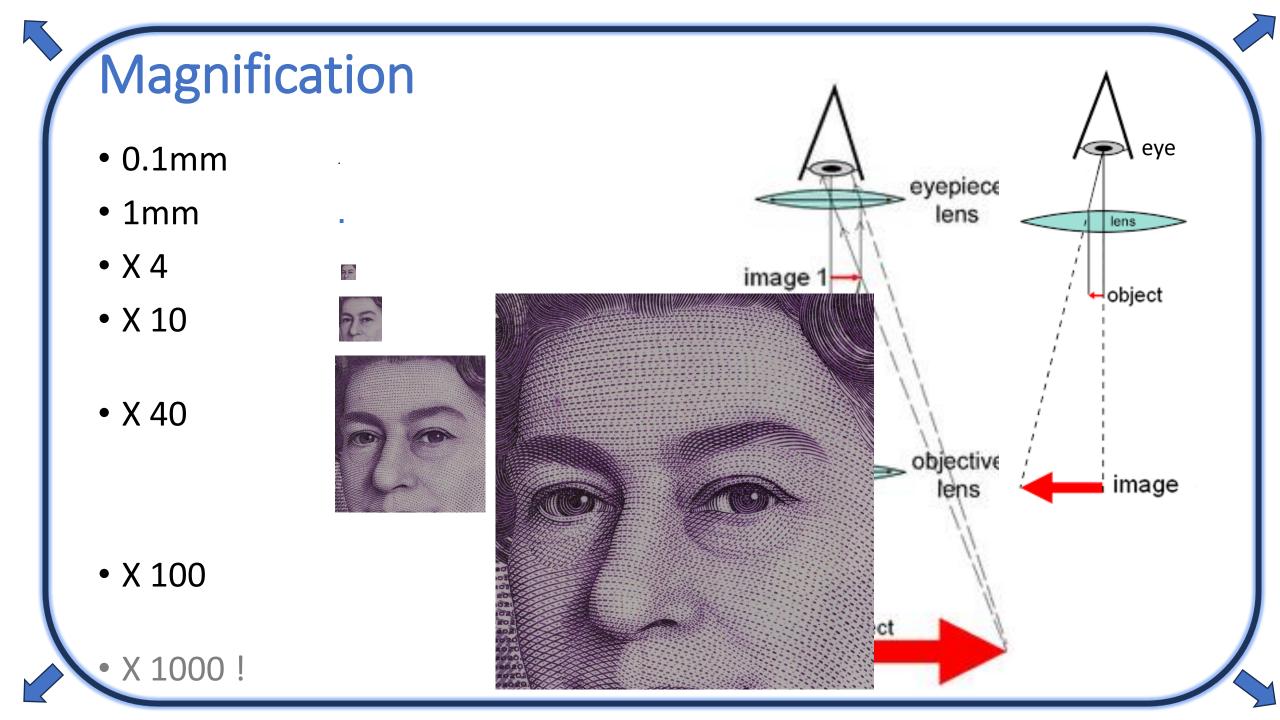
- What can I look at with a microscope ? Solid Objects
- Can I take a picture or video or make a drawing ? Yes :
- Who uses Microscopes ? Scientists Doctors Forensics Jewellers IT



Thin

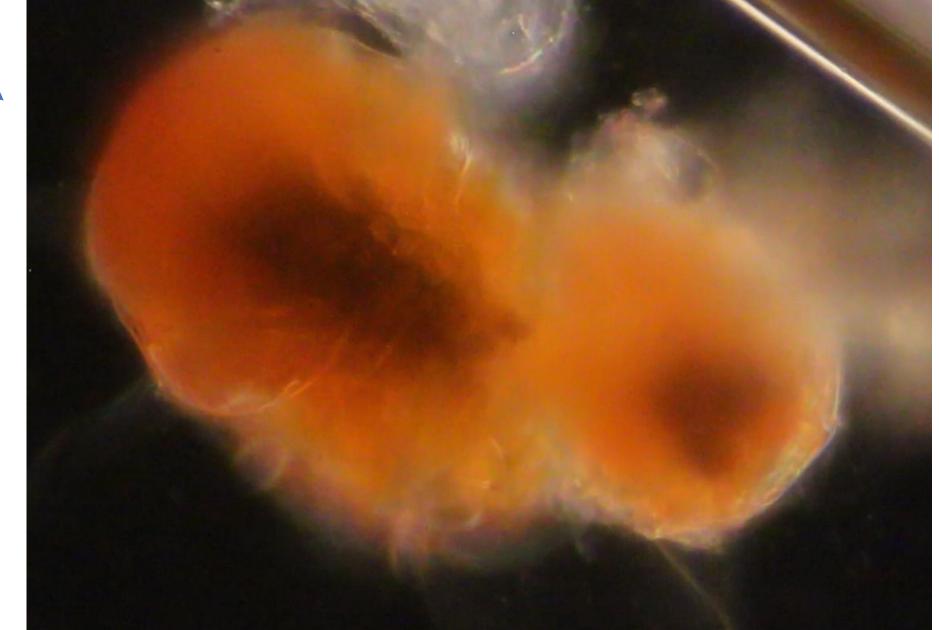
**Sections** 

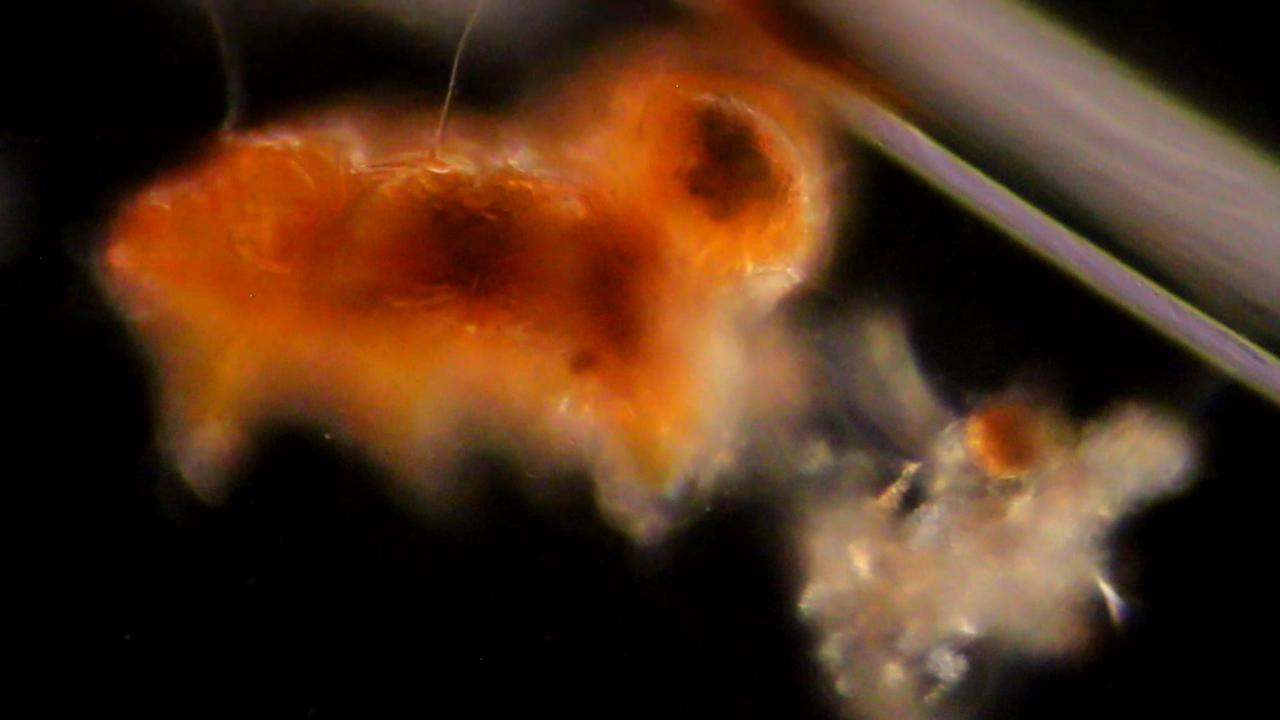
..... You !





(Tardigrade) 5 inside a full stop !!









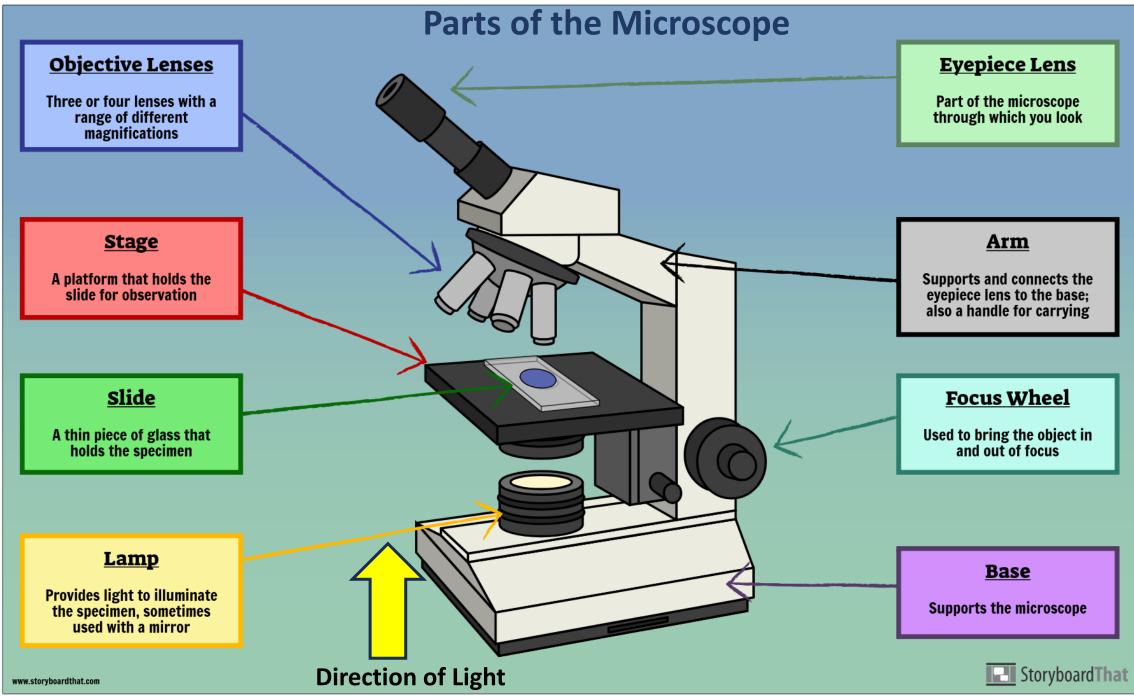
Brass Compound Microscope 1850



Black Compound Microscope 1950 Plug-In Compound Microscope 1970



Research Microscope 2000



# Things to look at ...

#### Yourself

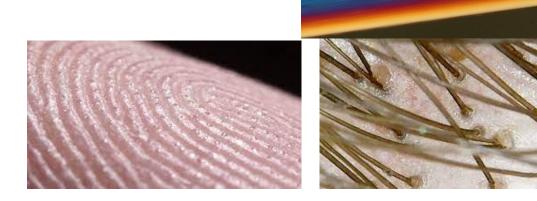
- Skin / Fingerprints
- Hair
- Blood

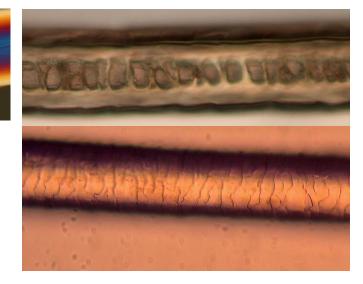
#### Outdoor items

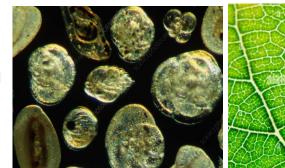
- Soil / Sand
- Plants / Moss / Lichen
- Feathers
- Pond Life
- Insects

#### Indoor items

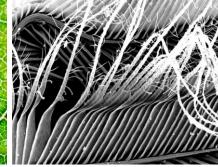
- Printed pictures
- Coins
- Computer chips
- Cellotape / Cloth / Salt / Sugar / ...





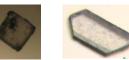




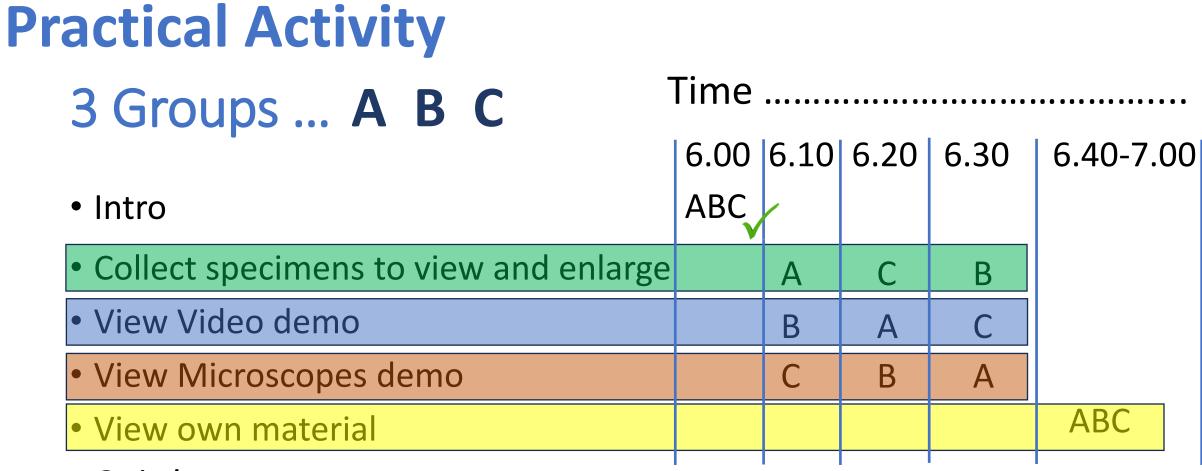












• Quiz !

#### Microscope Quiz Name

1. What is the smallest size/thing you can see with your eyes alone?

2. What do microscopes do?

3. What did you collect to look at with microscopes?



4. What did it look like? Can you draw it here?

5. What did you like most about the microscope evening?

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