

# Science

Bringing it to Life Questions

# What do you notice?

Make observations in order to group similar things together and then name the group (classify).

What observations change over time?

**What do you see/ hear/ smell/ taste/ feel?**  
**What features/properties are the same?**  
**What features/properties are different?**  
**Which features/properties change over time?**  
**What is interesting?**

**What do you notice?**

# What patterns and relationships can you see?

Group according to similarities and compare differences. Using prior knowledge describe patterns and relationships you see. Identify exceptions.

**What similarities and differences are there?**

**How could you group them?**

**How does it change?**

**Is there anything unusual?**

**What questions do you have?**

**What patterns and relationships can you see?**

# What do you think if?

Using prior knowledge and specific examples predict how patterns and relationships change within a system.

**Is there another way to group them?**  
**What would happen if you added/removed...?**  
**If we changed... then how might that affect...?**  
**Scientists currently think..., how does this relate to your idea?**

**What do you think if?**

# How can you explore?

Identify questions that can be investigated scientifically.  
Plan and conduct an investigation considering safety and fairness.



**What are you going to investigate?**

**How will you investigate?**

**How could you test your idea?**

**How can you keep yourself and others safe when doing the investigation?**

**How could you make your test fairer?**

**How can you explore?**

# How can you review and communicate?

Record data and represent ideas in diagrams, simple tables and graphs, physical representations and simple reports in order to identify trends. Compare your results with your predictions, suggesting reasoning.

**How might you represent your data and ideas?**

**How might grouping and sorting help you?**

**What tools (list, table, graph, drawing) might you use to identify patterns and share this information?**

**How could you improve your investigation?**

**How did your thinking change?**

**How can you review and communicate?**

# So what? What next?

Describe how science knowledge could help people to understand the effect of their actions.

**Who might be interested in this? Why?**

**What else could you investigate?**

**So what? What next?**