# Practical activities

**Notes for the teacher** - If your children need to review their learning, you can use these activities to support them.

## Nature feature hunt (outdoor or indoor)

**The resources you will need for this activity include:** clipboards, magnifiers, small trays or pots.

**Activity:** Children collect natural objects outdoors and sort them using chosen observable features such as colour, texture or shape.

This will help the children to understand how scientists observe closely and use visible features to classify real objects in the environment.

## Data sorting challenge

**The resources required for this activity include:** objects to sort (buttons, shapes, natural items), tally sheets, squared paper or tablets for charts, pencils.

**Activity:** Children sort a set of objects using an observable feature of their choice (colour, size, number of parts). They then record their results as a tally chart and turn this into a pictogram or bar chart, just like a real survey. Groups can compare their charts to see whether they sorted in the same or different ways.

This will help the children to understand how scientists collect and present data, how sorting can be used as a simple survey, and how different choices of features change the results. It also strengthens their ability to record information clearly and interpret patterns in their findings.

## Venn vs Carroll challenge

**The resources required for this activity include:** sets of objects, blank Venn and Carroll diagram templates.

**Activity:** Children sort the same objects using both diagrams and compare which worked better.

This will help the children to understand how different diagrams suit different types of features and sorting questions.

## Sustainability sort: everyday waste

**The resources required for this activity include:** clean waste items (paper, plastic, metal), sorting hoops.

**Activity:** Children sort waste by observable features such as material, transparency or texture.

This will help the children to understand how identifying materials supports recycling and links to caring for the environment.