

Plants

- revise the functions and requirement for life and growth (Y3)
- carry out related investigation
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Living things and their habitats

- identify and name a variety of living things (plants and animals) in the local and wider environment, using classification keys to assign them to groups
- recognise that environments can change and that this can sometimes pose dangers to living things

Animals (including humans)

- describe the simple functions of the basic parts of the digestive system in humans
- identify the different types of teeth in humans and their simple functions
- construct and interpret a variety of food chains, identifying producers, predators and prey

Materials (states of matter)

- compare and group materials together, according to whether they are solids, liquids or gases
- observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)
- identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.
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Sound

- identify how sounds are made, associating some of them with something vibrating
- find patterns between the pitch of a sound and features of the object that produced it
- find patterns between the volume of a sound and the strength of the vibrations that produced it
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Electricity

- identify common appliances that run on electricity
- construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
- recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- recognise some common conductors and insulators, and associate metals with being good conductors.