LEARNING JOURNEY

FAIRLANDS MIDDLE SCHOOL

YEAR 8

- **Ecology** — How do species interact in a hedgerow habitat?
- **Waves** — Which factors affect an after-image?
- **Earth and atmosphere** — What effect does heat have on rock weathering?
- **Gas exchange and respiration** — Which substrate gives the fastest rate of respiration?
- **Chemical reactions** — How can acidic soil be neutralised with a base?
- **Electricity and magnetism** — How can we make a stronger electromagnet?
- **Digestion** — What effect do enzymes have in biological washing powder?
- **Atoms and elements** — What is the change in mass when magnesium burns?
- **Reproduction and cells** — Which seeds are dispersed the furthest from an exploding seed pod?

YEAR 7

- **Space physics** — What effect does speed have on the size of a meteorite impact crater?
- **Forces and motion** — How does force affect the extension of a spring?
- **Sports science** — Do all fizzy drinks have the same sugar in them?
- **Life cycles** — How does the environment affect the germination of seeds?
- **Classification** — How do invertebrates survive?
- **Chemical changes** — Which acids react fastest with bicarbonate of soda?
- **Electricity** — What effect do cells have on the brightness of bulbs?
- **Reversible changes** — How can we speed up dissolving?
- **Particles** — How can we identify ink from a crime scene?

YEAR 6

- **Tiny Things** — How do chemicals enter and leave cells?
- **Light** — How do shadows change during the day?
- **Animal body systems** — How can we keep our heart healthy?
- **Variation and evolution** — How did Darwin and Wallace make their theory of evolution?

YEAR 5

- **Forces** — What force is needed to move a shoe?
- **Earth and space** — What would it be like to travel to another planet?