

| Module 1<br>Forces and mechanisms  | Module 2<br>Properties and uses of materials                                  | Module 3<br>Earth and space                             | Module 4<br>Plant and animal life cycles                 | Module 5<br>Separating mixtures and changing materials          | Module 6<br>Human growth                      |
|--|---|---|--|---|---|
| 1: What is the friction between different surfaces?                              | 1: How can we compare and group materials?                                    | 1: What's in space?                                     | 1: How do flowering plants produce seeds?                | 1: How can we separate mixtures?                                | 1: How do newborn babies turn into teenagers? |
| 2: Why do objects fall at different speeds                                       | 2: Which materials did the builders use when constructing our school and why? | 2: How do the planets move?                             | 2: Do all plants have the same number of stamen?         | 2: What happens when we mix liquids and solids?                 | 2: How do girls become women?                 |
| 3: How does the size of the canopy affect the time it takes a parachute to fall? | 3: Which liquid is the thickest?  | 3: How does the position of the Sun in the sky change?  | 3: How can we grow more plants without using seeds?      | 3: What makes a difference to how fast sugar or salt dissolves? | 3: How do boys become men?                    |
| 4: Does the shape of an object affect its movement in a liquid?                  | 4: Who invents things?  | 4: What causes day and night?                           | 4: How do chickens change over their lifetime?           | 4: How can we clean up contaminated water?                      | 4: What is the human life cycle?              |
| 5: How can we lift a heavy load?   | 5: Can the same container keep cold things cold and hot things hot?           | 5: How does the Moon move?                              | 5: Do all mammals have the same gestation period?        | 5: What makes a change non-reversible?                          |   |
| 6: How does the length of the lever affect the force needed to lift a load?      | 6: Which materials are absorbent, permeable or waterproof?                    | 6: What patterns can we find in data about the planets? | 6: How do amphibians change throughout their life cycle? | 6: How much gas can be produced by a non-reversible change?     |   |
| 7: How do gears work?  |   |   | 7: Do all insects go through the same life cycle?        |   |   |