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| **Year 5 Autumn: Forces, Levers and Pulleys (physics) 8** |
| **What is a force?** | **What can forces do?** | **What is gravity?** | **What is friction?** | **What is air resistance?** | **What is water resistance?** | **What is a lever?** | **What is a pulley?** |
| **Year 5 Autumn: Animals, including humans (biology) 6** |
| **What are the two main types of reproduction?** | **What are the main stages of the human life cycle?** | **Are all gestation periods the same?** | **What happens during adolescence?** | **What is puberty?** | **What happens during old age?** |  |  |
| **Year 5 Spring: Earth and Space (physics) 8** |
| **What is the solar system?** | **How do the planets move?** | **Are all planets the same?** | **What shape are the Earth, sun and moon?** | **What causes day and night?** | **How long does it take for the Earth to orbit the sun?** | **What causes seasons?** | **What does the moon orbit?** |
| **Year 5 Spring/Summer: Properties and changes of materials (chemistry) 9** |
| **How can materials be grouped?** | **What are thermal insulators?** | **What are thermal conductors?** | **What are electrical insulators?** | **What are electrical conductors?** | **What are reversible changes?** | **What are irreversible changes?** | **What is dissolving?** |
| **What is evaporation** |  |  |  |  |  |  |  |
| **Year 5 Summer: Living things and their habitats (biology) 6** |
| **What is reproduction?** | **What is sexual reproduction?** | **What is asexual reproduction?** | **How do plants reproduce?** | **Are all life cycles the same?** | **What is metamorphosis?** |  |  |
| **Year 5 Summer: Electricity (physics) 7** |
| **What is voltage?** | **What will make a bulb brighter within a circuit?** | **What will make a buzzer louder within a circuit?** | **How does a switch affect a circuit?** | **What will make a bulb dimmer within a circuit?** | **What will make a buzzer quieter within a circuit?** | **What is a series circuit?** |  |