|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Subject: Science** | | | | | | |
| **Year: 8** | | | | | | |
| Half -Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Themes/  Content/  A can of a product  Description automatically generated with medium confidenceUnits covered | **Getting the energy your body needs**  A purple and green masks with a sad face  Description automatically generatedSkeletal system and muscles  Respiration and breathing  **Explaining physical changes**  Particle model and states of matter  Changes of state and heating effects  A cartoon rocket ship with red and blue stripes  Description automatically generatedDensity, pressure and diffusion  Conservation of mass and chemical reactions | A drawing of a book  Description automatically generated**Exploring contact and non-contact forces**  Magnetism and electrostatic forces    Gravity and its effects  A cartoon rocket ship with red and blue stripes  Description automatically generatedPressure and upthrust | **Looking at plants and ecosystems**  Plant biology  Ecosystems  A purple and green masks with a sad face  Description automatically generatedEnvironmental interactions and interdependence  A cartoon rocket ship with red and blue stripes  Description automatically generatedWater and nutrient transport  Bioaccumulation  A drawing of a book  Description automatically generatedA purple and green masks with a sad face  Description automatically generated  Extremophiles  Testing a leaf for starch | **Explaining chemical changes**  Acid, base, alkali    Indicators  A cartoon rocket ship with red and blue stripes  Description automatically generated  Neutralisation  A purple and green masks with a sad face  Description automatically generatedCombustion  Acids and metal reactions | **Magnetism and electricity**  A drawing of a book  Description automatically generatedThe history of magnetism    Magnetic fields  Electromagnets | **Magnetism and electricity (cont.)**  Charge and batteries  A cartoon rocket ship with red and blue stripes  Description automatically generatedSeries and parallel circuits  **STEM Suncream investigation project**  A purple and green masks with a sad face  Description automatically generatedTeamwork and presentation skills  A cartoon rocket ship with red and blue stripes  Description automatically generatedProblem solving  A pink brain with red veins  Description automatically generatedDesign an investigation |