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| **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 musclesRespiration and breathing**Explaining physical changes**Particle model and states of matterChanges of state and heating effectsA 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 generatedExtremophiles Testing a leaf for starch  | **Explaining chemical changes**Acid, base, alkali IndicatorsA cartoon rocket ship with red and blue stripes  Description automatically generatedNeutralisation A purple and green masks with a sad face  Description automatically generatedCombustionAcids and metal reactions  | **Magnetism and electricity**A drawing of a book  Description automatically generatedThe history of magnetism Magnetic fieldsElectromagnets   | **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 |