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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Year 1 | Mechanisms - pop ups and levers (moving pictures based on animals – linked to Science) |  | Food - food preparing and combining (sensational salads) |  | Structures – Stability (playground equipment)  |  |
| Year 2 |  | Textiles – stitches (puppets)  |  | Food – healthy diets (breakfast bars) |  | Mechanisms – Wheels and axles (emergency services vehicles) |
| Year 3 | Mechanisms – moving books.  |  | Structures – shell structures (Chocolate box 2D CAD)   |  | Food –club sandwich (linked to healthy eating topic) – Features an exploded Diagram.   |  |
| Year 4 |  | Electrical systems – Programming monitoring and control. (Step counter) Micro Bit.  |  | Textiles – 2D shape to 3D product (seams and fastenings (purse) |  | Food – savoury food and cooking techniques (comparison of breads and toppings – linked to Geography topic) |
| Year 5 | Textiles joining different fabric shapes (stuffed toy – linked to English text)  |  | Food – food from other cultures (Make Empanadas.)  |  | Structures – CAD / A Frame structure Bird boxes, bird feeders, bug hotels |  |
| Year 6 |  | Mechanisms – Cams (Moving toy) |  | Food – design a healthy menu (specifically for an athlete) |  | Electrical Systems – Monitoring and control (Make an alarm system for valuables including a sensor) |