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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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|  | **Continuous provision throughout the year** | | | | | |
| Reception | **NC: Structures**  **Kapow: Junk modelling**   1. Exploring junk modelling 2. Cutting and scissor skills 3. Choosing resources 4. Making models 5. Evaluation and presentation 6. Temporary Joins   **Art link – Craft and design Painting – paint my world**  **Drawing – Marvellous Marks** | | **NC: Structures Kapow: Boats**   1. Waterproof materials 2. Floating and sinking 3. Boats 4. Designing boats 5. Creating and testing boats   **Painting – paint my world**  **Drawing – Marvellous Marks** | **NC: Textiles Kapow: Bookmarks**   1. Exploring threading and weaving 2. Paper weaving 3. Sewing with hessian 4. Designing bookmarks 5. Creating bookmarks 6. Evaluating bookmarks   **Craft and design – Let’s get crafty** | **NC: Cooking and Nutrition Kapow: Soup**   1. Fantastic fruits and vegetables 2. Pumpkin soup 3. Designing soup 4. Fine motor skills 5. Making soup 6. Designing soup packaging | **Kapow: Seasonal Projects**   1. Hibernation boxes 2. Sliding Santa chimneys 3. Hanging egg decoration 4. Flower threading 5. Designing a rainbow salad 6. Making a rainbow salad |
| Year 1 | **NC: Mechanisms Kapow: Making a moving storybook**   1. Exploring sliders and movement 2. Design 3. Construction 4. Testing and evaluation | | **NC: Textiles Kapow: Puppets**   1. Joining fabrics 2. Designing my puppet 3. Making and joining my puppet 4. Decorating my puppet   **Craft and design - Woven wonders** | | **NC: Mechanisms**  **Kapow: Wheels and axles** Option 1:   1. Wheels 2. Improving wheels 1 3. Improving wheels 2 4. Designing a pull along toy 5. Making a pull along toy | **NC: Cooking and Nutrition Kapow: Smoothies**   1. Fruits 2. Growing 3. Cutting and juicing 4. Testing ingredients 5. Making smoothies |
| Year 2 | **NC: Mechanisms Kapow: Making a moving monster (make a Meerkat – link to Meerkat mail)**   1. Pivots, levers and linkages 2. Making linkages 3. Designing my animal 4. Making my animal   **Painting – life in colour** | | **NC: Mechanisms Kapow: Fairground wheel – changed to animal transportation**   1. Designing a fairground wheel 2. Planning the build 3. Building the frame and wheels 4. Surveying the design opinions 5. Adding pods and decoration | | **NC: Textiles**  **Kapow: Pouches**   1. Running stitch 2. Using a template 3. Making a pouch 4. Decorating a pouch | **NC: Cooking and Nutrition Kapow: Balanced diet**   1. Food groups 2. Balanced meals 3. Preparing ingredients 4. Taste testing ingredients 5. Panning recipes 6. Creating and evaluating wraps |
| Year 3 | **NC: Electrical systems Kapow: Electric poster – Link to Christmas activities**   1. Information design 2. Topic research 3. Design development 4. Assemble an electric poster | | **NC: Mechanisms Kapow: Pneumatic toys (Iron Man)**   1. Exploring pneumatics 2. Drawing diagrams 3. Designing a pneumatic toy 4. Making a pneumatic toy 5. Finishing the toy | | **NC: Textiles Kapow: Egyptian collars**   1. Cross stitch and appliqué 2. Egyptian collars 3. Developing the collars 4. Finishing their collars   **Craft and design – Ancient Egyptian scroll** | **NC: Cooking and Nutrition Kapow: Eating seasonally**   1. Food around the world 2. Seasonal food 3. Cutting and peeling 4. Tasting seasonal ingredients 5. Making a mock up 6. Evaluating seasonal tarts |
| Year 4 | **NC: Electrical systems** **Kapow: Torches**   1. Electrical products 2. Evaluating torches 3. Torch design 4. Torch assembly | | **NC: Mechanisms**  **Kapow: Mechanical cars (Roman cart/sling shot)**  **Option 1:**   1. Prototype one: Inclined plane 2. Porotype two: Slingshot car 3. Porotype three: Wind up car 4. Mechanical toy car kit: Designing 5. Mechanical toy car kit: making and evaluating | | **NC: Textiles Kapow: Fastenings**   1. Evaluating fastenings 2. Designing my book sleeve 3. Paper mock up and preparing fabric 4. Assembling my book sleeve | **NC: Cooking and Nutrition Kapow: adapting a recipe**   1. Existing biscuits 2. Basic biscuits 3. Budgeting 4. Packaging 5. Market research 6. Evaluating biscuit |
| Year 5 | **NC: Mechanisms**  **Kapow: Gears and Pulleys – Kapow suggest a bike – can be changed to a minecart**   1. Gears 2. Improving my gear design 3. Pulleys 4. Market research 5. Design | | **NC: Electrical Systems**  **Kapow: Doodlers**   1. Electrical systems and motors 2. Meet the Doodlers 3. Doodler design and construction 4. Doodler DIY kits | | **NC: Textiles Kapow: Stuffed toy/Anglo Saxon bag**   1. Designing 2. Blanket stitch 3. Details and appendages 4. Assemble | **NC: Cooking and Nutrition Kapow: developing a recipe**   1. From farm to fork 2. Different choices 3. Nutritional value 4. Preparing ingredients 5. Designing labels 6. Making Bolognese |
| Year 6 | **NC: Electrical systems** **Kapow: Steady hand game**   1. Developing through play 2. Game plan 3. Base building 4. Electronics and assembly | **NC: Mechanisms**  **Kapow: Automata toys**   1. Automata 2. Frame assembly 3. Experimenting with CAMS 4. Finishing touches. |  | | **NC: Textiles Kapow: Waistcoats/leavers keepsake**   1. Design 2. Preparing fabric 3. Assembling 4. Decorating | **NC: Cooking and Nutrition Kapow: Come dine with me**   1. Complementary flavours 2. Three ingredients: three courses 3. Ingredients and skills 4. To start… 5. The main course 6. dessert |