

DT Showcase



Reception Cooking & Nutrition: :Fruit Kebabs



The children were introduced to a wide variety of colourful fruits. They had the chance to smell, touch, and taste fruits like passion fruit, melon, lime, mango and more. To help them think critically, each child tasted a selection of fruits and recorded their opinions using a tally chart noting whether they liked or didn't like each one. The children then designed their own fruit kebab. They chose a combination of fruits they enjoyed most, thinking about colours, patterns, and taste. Then came the exciting part, making them! Carefully threading their chosen fruits onto skewers, the children created beautiful, balanced and totally delicious fruit kebabs to enjoy and be proud of.



Passionfruit		3
Melon		14
Lime	—	1
Peaches~syrup		4
Grapefruit	—	1
Lemon		2
Mango		4



Year 1: Mechanisms: Moving Story Books



In this unit, children explore simple mechanisms by identifying and investigating sliders. They learn to distinguish between side-to-side sliders and up-and-down sliders, gaining an understanding of how each type of mechanism moves and functions. This unit not only builds early engineering and design thinking skills but also encourages curiosity, problem-solving, and fine motor development in a fun, engaging way!

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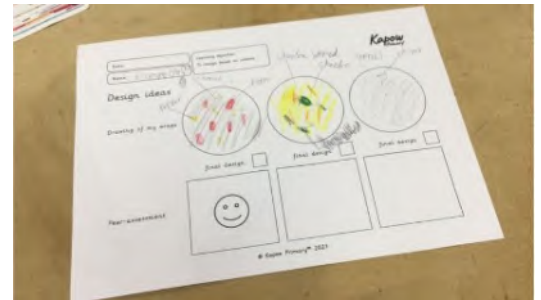


Year 2: Cooking & Nutrition: A Balanced Diet



In this exciting unit, children dive into the world of food, exploring nutrition, flavour, and creativity through hands-on activities and tasting sessions. With their new knowledge of food groups and flavours, children are challenged to design their own healthy wrap.

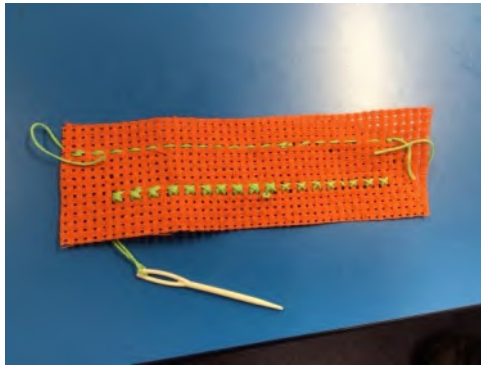
They carefully consider ingredients from different food groups, aiming for a balance of flavour, texture, and nutrition. Once their ideas are planned, pupils get hands-on assembling their wraps with care and creativity. They then evaluate their final product based on taste, appearance, and how well it meets the design brief.



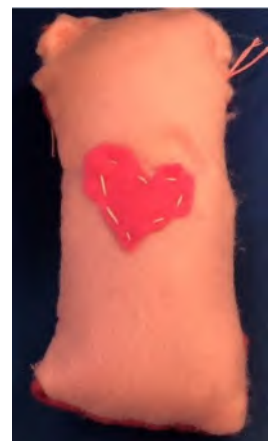
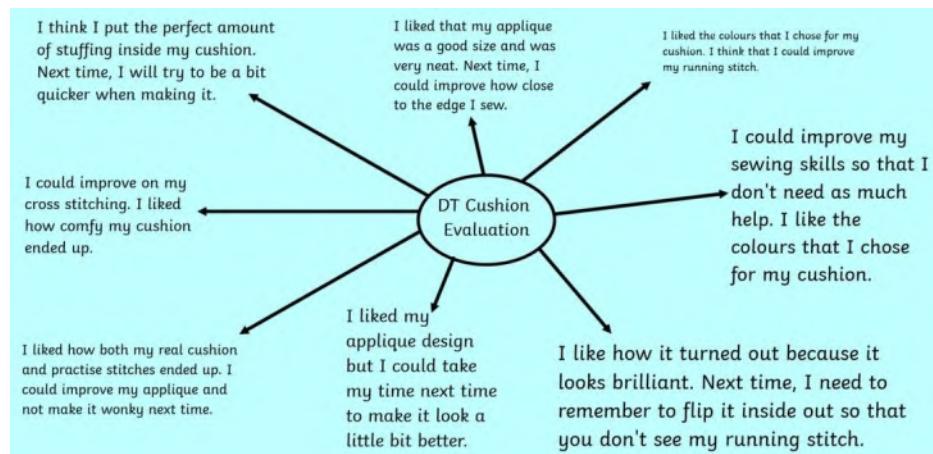
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Year 3: Textiles: Cushions



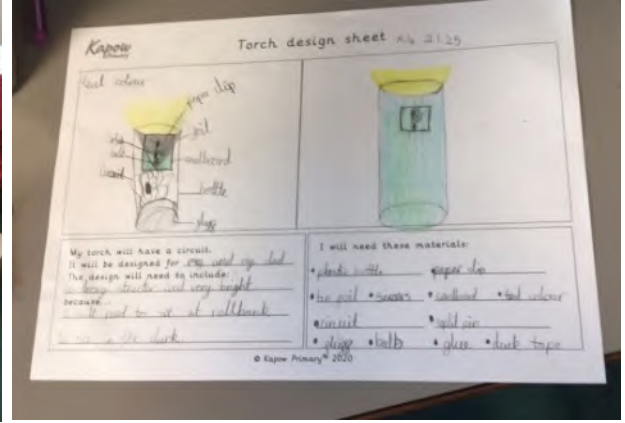
In this textiles unit, children develop their design and sewing skills while creating their very own decorative cushions. Pupils begin by learning how to use a cross-stitch to join two pieces of fabric, practising their technique to create strong and even stitches. They then design and cut a template for their cushion, considering shape, size, and overall appearance. Pupils assemble and sew their cushions, combining their stitching and decorative skills to produce a finished product they are proud of. This unit encourages precision, patience, and self-expression and results in a beautifully crafted, handmade item to take home!



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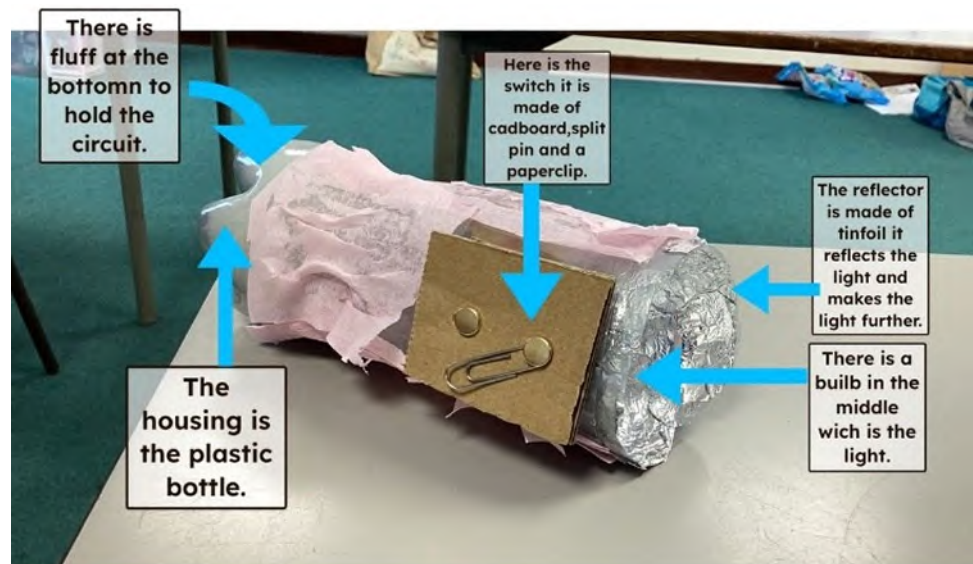


Year 4: Electrical Systems – Torches



In this unit, children explore the world of electrical systems by designing and making their very own working torches. Pupils construct simple circuits, learning how to make a working switch to control the flow of electricity. They examine the key features of a torch, including the bulb, casing, switch, and power source and investigate how these

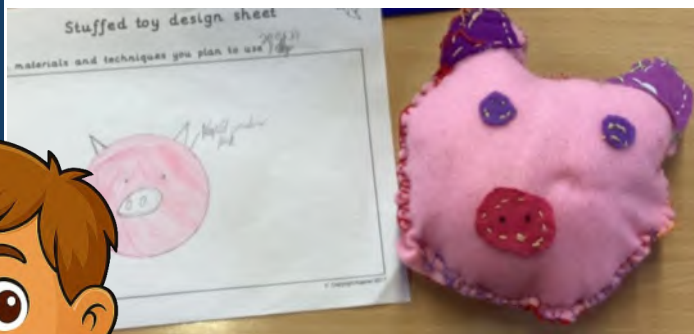
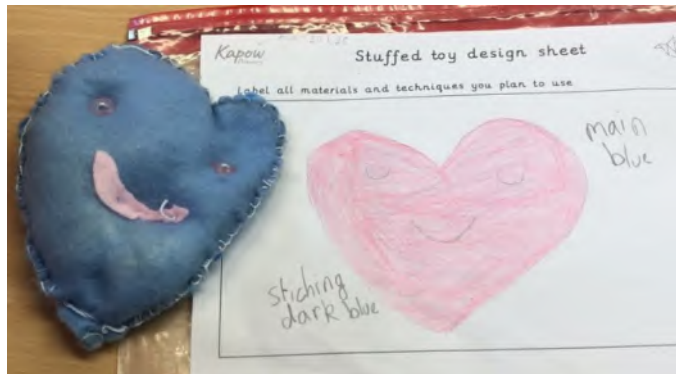
elements work together. They use this knowledge to describe what makes a torch successful, thinking carefully about function, durability, and ease of use. Children then design their own torches, considering materials, purpose, and appearance. Finally, they bring their designs to life by creating a fully functioning torch that includes a working switch and meets their design criteria.



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Year 5: Textiles : Stuffed Toys



In this unit the children take on the role of young designers to create their own stuffed toy from scratch combining imagination, problem-solving, and practical sewing skills. They begin by designing their toy, carefully considering the main component shapes that will form its body and features. From animals to imaginative creatures, children translate their ideas into accurate templates to guide their cutting and construction. Once their designs are ready, pupils practise using a blanket stitch to join two pieces of fabric securely and neatly. They cut out their fabric pieces with precision and begin to bring their toys to life using appliqué or decorative stitching to personalise the front of their toy with eyes, patterns, or other creative details.



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Year 6: Structures – Playground



In this exciting and imaginative design unit, children take on the role of architects and model-makers as they design and construct their own playground. Using a range of materials, pupils bring their ideas to life by building at least three different structures based on their plans. As they progress, they reflect on their initial models and take time to refine and improve their designs enhancing the overall quality, adding cladding for detail and strength, and ensuring a more polished finish. This unit supports learning in design thinking, construction techniques, problem-solving, and collaborative feedback and results in some incredibly imaginative and well-crafted 3D models!

