** Design and Technology Curriculum Overview at STM**

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|  |  | **Advent 2** | **Lent 2** | **Pentecost 2** | **Stand-alone lessons** |
| **Reception** |  | **Fine motor skills** - Use a range of small tools, including scissors and paintbrushes.  **Creating with materials** - Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used**.** | | | |
| **Yr1 & 2** | **Cycle 1** | [**Structures: Baby Bears chair**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-2/structures-baby-bears-chair/) | [**Food: Fruit and vegetables**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-1/fruit-and-vegetables/)Smoothie | [**Mechanisms: Making a moving monster**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-2/mechanisms-making-a-moving-monster/) |  |
| **Cycle 2** | [**Structures: Constructing windmills**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-1/ks1-y1-design-and-technology-constructing-windmills/) | [**Mechanisms: Wheels**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-2/mechanisms-fairground-wheel/) **and axles** | [**Textiles: Puppets**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-1/textiles-puppets/) | [**Exploring sliders and movement**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-1/mechanisms-making-a-moving-story-book/lesson-1-exploring-sliders-and-levers/)  [**Hidden sugars in drinks**](https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-2/food-a-balanced-diet/lesson-1-hidden-sugars-in-drinks/) |
| **Yr3**  **Yr3/4**  **Yr4/5** | **Cycle 1** | [**Structure: Pavilions**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/structure-pavilions/) | [**Food: Eating Seasonally**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-3/food-eating-seasonally/)Crumble | [**Electronic systems: Torches**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/electrical-systems-torches/) |  |
| **Cycle 2** | [**Structures: Constructing a castle**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-3/structures-constructing-a-castle/) | [**Mechanical Systems: Making a slingshot car**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/mechanical-systems-making-a-slingshot-car/) | [**Textiles: Cushions**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-3/textiles-cushions/lesson-1-cross-stitch-and-applique/) | [**Cross stitch and appliqué**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-3/textiles-cushions/lesson-1-cross-stitch-and-applique/)  [**Exploring pneumatics**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-3/mechanical-systems-pneumatic-toys/lesson-1-exploring-pneumatics/)**;** [**Designing a pneumatic toy**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-3/mechanical-systems-pneumatic-toys/lesson-2-designing-a-pneumatic-toy/)  [**Following a recipe**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/food-adapting-a-recipe/lesson-1-following-a-recipe/)  [**Evaluating fastenings**](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/textiles-fastenings/lesson-1-evaluating-fastenings-2/) |
| **Yr5**  **Yr6** | **Cycle 1** | [**Textiles: Waistcoats**](https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-6/textiles-waistcoats/) | [**Food: What could be healthier**](https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-5/food-what-could-be-healthier/)**?** Bolognese | [**Electrical Systems: Steady Hand Game**](https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-6/electrical-systems-steady-hand-game/) |  |
| **Cycle 2** | [**Structure: Bridges**](https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-5/structure-bridges/) | [**Mechanic Systems: Automata Toys**](https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-6/mechanical-systems-automata-toys/) | [**Textiles: Stuffed Toys**](https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-5/textiles-stuffed-toys/) |  |