**St Nicholas Design Technology Curriculum Overview**

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|  | **Term 1** | **Term 2** | **Term 3** | **Term 4** | **Term 5** | **Term 6** |
| **Year R** | Make Hedgehog bread.  Use small world/puppets and props to encourage role play of familiar stories.  | Make simple shadow puppets.   | Use junk modelling to create a vehicle to travel across the snow or ice.      **Design and Technology: Kapow unit: lessons taken from Structures: Junk Modelling** Explore junk modelling materials. Cutting and scissor skills. Making models  |  | **Design and Technology: Kapow Unit: Boats** Testing waterproof materials Which materials will float and sink? Compare the uses of boats. Investigate how the shape and structure of boats affects their ability to move. Design a boat. Creating and testing boats |
| **Year 1** | **DT: Cooking and Nutrition**Fruit and Vegetables |  | **DT: Structures**Constructing a windmill? | **DT: Textiles**PuppetsIn addition/optional**DT: Mechanisms**Wheels and Axles |  |  |
| **Year 2** |  | **DT Structures**Baby Bear’s Chair | **DT: Mechanisms**Making a moving monster |  |  | **DT: Mechanisms**Fairground wheel |
| **DT: Cooking and nutrition**A balanced diet |
| **Year 3** | **DT: Cooking and Nutrition**Eating seasonally |  | **DT: Digital World**Wearable technology |  |  | **DT: Structures**Constructing a castle(settlement) |
| **DT: Mechanical Systems** **(Lessons 1 and 2 minimum)** Pneumatic toys |
| **Year 4** |  | **DT: Mechanical Systems**Making a slingshot car (catapults) | **DT: Cooking and nutrition**Adapting a recipe |  | **DT: Textiles**Fastenings | **DT: Electrical Systems**Torches |
| **Year 5** | **DT: Mechanical Systems**Making a pop-up book |  |  | **DT: Electrical Systems**Doodlers | **DT: Cooking and Nutrition**What could be healthier? |  |
| **DT: Structures**Bridges |
| **Year 6** |  | **DT: Mechanical systems**Automata toys | **DT: Textiles**Waistcoats | **DT: Digital World**Navigating the world |  | **DT: Cooking and Nutrition**Come dine with me |