**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**  Puppets  In 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 |