**Design and Technology Overview 2022-2023**

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|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Year 1** |  | **Mechanical System**  Making toys with a pull mechanism liked to Toys topic. |  | **Mechanisms**  Junk modelling – making the school/ local building linked to Local area topic. |  | **Textiles**  Make a nurse badge out of binka  Or, make it modern day – rainbow? |
| **Year 2** | **Structures**  Bridges linked to My Island Home |  | **Food**  Fruit Kebabs linked to Africa topic |  | **Mechanisms**  Wheels and axels , levers  Space machines linked to topic explorers |  |
| **Year 3** |  | **Structure**  Design, create and make a rain maker – sound of the rainforest |  | **Food**  Stone Age soup! Recipe, cutting, cooking) |  | **Mechanisms**  Shaduf linked to Egyptian topic |
| **Year 4** |  | **Textiles**  Make a small Greek cushion. |  | **Structures**  Make Roman chariots – wheels and axles – linked with Made in the Mediterranean topic (Romans). |  | **Electrical systems**  Make a game linked to the local area. |
| **Year 5** |  | **Mechanisms**  Boats – pulleys, gears/ Frame structures – linked with Rivers topic |  | **Food**  Celebrating culture-Maya chocolate, tortillas = linked with Maya topic |  | **Textiles**  Making a Viking money carrier-Linked with Viking topic |
| **Year 6** | **Food**  Preparing and designing wartime recipe using rationed food items (WW2) |  | **Mechanisms**  Creating moving Victorian toys axles, cams, sawing/finishing  **Electrical systems**  Create a Victorian light up house TES free planning |  | **Structures**  Designing an earthquake resistant bridge or tower using construction materials (Extreme Earth) |  |