**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) |  |