

## Design and Technology Programmes of Study linked to Cross-Curriculum Topic Plans 2019-20

### Lower Key Stage 2 Knowledge, Understanding and Skills:

- **Structures** – *strengthen, stiffening and reinforce more complex structures*
- **Textiles** - *Know that fabrics have different properties; understand that some joining techniques are stronger/weaker than others; know that fabrics can be joined in temporary or permanent ways; use simple decorative patterns e.g. dyeing, embroidery or fabric paints.*
- **Food** – *To weigh and measure accurately (time, dry ingredients, liquids); know that ingredients have different characteristics; know that the proportion of ingredients will affect the product; using a heat source changes ingredients; recipes can be adapted by adding or substituting ingredients. Understand about the importance of hygienic food preparation and storage; know that food can be divided into different groups; explain that different combinations of ingredients can affect taste and texture of the product; Say what forms a healthy diet.*
- **Mechanisms**- *e.g. levers, sliders, wheels and axles.*

	<b>Terms 1 or 2:</b>	<b>Terms 3 or 4:</b>	<b>Terms 5 or 6:</b>
<b>Year 3 History / Geography topic:</b>	<b>Egyptians</b>	<b>Rivers</b>	<b>Romans</b>
<b>Year 3 DT skill focus:</b>	<b>Food</b>	<b>Structures</b>	<b>Pneumatics</b>
<b>Ideas:</b>	<i>TBC</i>	<i>Bridges</i>	<i>Monsters - Mythological creatures</i>
<b>Year 4 History / Geography topic:</b>	<b>Anglo- Saxons</b>	<b>Climates</b>	<b>Vikings</b>
<b>Year 4 DT skill focus:</b>	<b>Food</b>	<b>Structures and cranks</b>	<b>Textiles</b>
<b>Ideas:</b>	<i>TBC</i>	<i>cranks</i>	<i>shoes</i>

