

## Design & Technology Medium Term Plans

### KS1 Design and Technology MTP

	Autumn	Spring	Summer
Topic	The Great Fire of London / Everyday Materials	Four Seasons and Weather Patterns / Seasonal Change	Plants / Within Living Memory
<b>A</b>	<b>Mechanisms</b> Sliders and Levers  Information Book to include Levers/Sliders about The Great Fire of London	<b>Structures</b> Freestanding Structures  Elements of a Weather Station	<b>Food</b> (Cooking and Nutrition requirements for KS1)  End of Year Party with a selection of foods from each decade
Topic	Living things and their Habitats / Mary Anning / Where are we in the world?	Animals including Humans / Sensational Safari - Kenya	Great Scientists and Explorers / Great Expectations and Transport
<b>B</b>	<b>Textiles</b> Templates and Joining Techniques  Make a Celebration Gift for a family member	<b>Food</b> Preparation of Fruit and Veg (Cooking and Nutrition requirements for KS1)  Fruit Salad - Handa's Surprise	<b>Mechanisms</b> Wheels and Axels  Design and make a form of transport with wheels and axels, to get an explorer on their voyage of discovery!

### LKS2 Design and Technology MTP

	Autumn	Spring	Summer
Topic	Egyptians	Local geo study - E.Anglia/Sicily/Haiti	Ancient Greeks
<b>A</b>	<b>Mechanical Systems</b> Levers and Linkages  Designing and making a class/group book about how changes in habitats	<b>Electrical Systems</b> Simple circuits and switches	<b>Food</b> Healthy and varied diet  Greek Salad fit for a king (with toast/flatbread) Link to Olympics

	can affect animals (link to lesson 5 Science - How are habitats affected by change?)	Battery powered handheld or head torch for use during an earthquake (link to 2010 earthquake in Haiti?)	
Topic	Stone Age	Mountains, Rivers, Coasts UK	Romans
<b>B</b>	<b>Structures</b> Structures  Christmas gift box	<b>Food</b> Healthy and varied diet  Picnic (sandwich & dips) suitable for a hike/day out	<b>Textile</b> 2D shape to 3D product  Roman Purse with different stitches (and fastenings)

## UKS2 Design and Technology MTP

	Autumn	Spring	Summer
Topic	WW2 Local Study	History of W. Africa/Benin	Extreme Earth
<b>A</b>	<b>Structures</b> Frame structures  Air raid shelter (min 4 full days)	<b>Mechanical Systems</b> Cams	<b>Food</b> Celebrating culture & seasonality  Ice pops
Topic	Sustainable World	Invaders & Settlers (Anglo Saxons & Vikings)	Victorians
<b>B</b>	<b>Textiles</b> Combining Different Fabric Shapes  Shopping bag made from old t-shirt	<b>Food</b> Celebrating culture & seasonality  Easter biscuits	<b>Electrical systems</b> More complex switches  An alarm system to protect the crown jewels??