

Design and Technology - Curriculum Overview

	<u>KS1</u>		
	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
Year A <i>Design/Make/Evaluate</i>	Mechanisms: Sliders and levers (link to history) <i>explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</i>	Food: Preparing fruit and vegetables (link to geography) <i>use the basic principles of a healthy and varied diet to prepare dishes</i>	Structures: Freestanding structures(link to art) <i>build structures, exploring how they can be made stronger, stiffer and more stable</i>
Year B <i>Design/Make/Evaluate</i>	Mechanisms: Wheels and axles (link to history) <i>explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</i>	Food: Preparing food (link to geography) <i>understand where food comes from</i>	Textiles: Templates and Joining techniques (link to art)

	<u>LKS2</u>		
	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
Year A <i>Design/Make/Evaluate</i>	Mechanisms: Levers and linkages(link to history) <i>understand and use mechanical systems in their products</i>	Food: Healthy and varied diet (link to geography) <i>understand and apply the principles of a healthy and varied diet</i>	Structures: Shell structures (link to art) <i>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</i>
Year B <i>Design/Make/Evaluate</i>	Mechanisms: Pneumatics (link to history) <i>understand and use mechanical systems in their products</i>	Electrical Systems: Simple circuits and switches <i>understand and use electrical systems in their products</i>	Textiles: 2-D shape to 3-D product (link to art)

	<u>UKS2</u>		
	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
Year A <i>Design/Make/Evaluate</i>	Mechanisms: Pulleys or gears (link to history) <i>understand and use mechanical systems in their products</i>	Food: Celebrating culture and seasonality (link to Geography) <i>understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</i>	Structures: Frame structures (link to art) <i>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</i>
Year B <i>Design/Make/Evaluate</i>	Mechanisms: Cams (link to history) <i>understand and use mechanical systems in their products</i>	Electrical Systems: Monitoring and control <i>apply their understanding of computing to program, monitor and control their products</i>	Textiles: Combining different fabric shapes (link to art)

We study DT at the Meadows to become designers of the future and to learn how to be risk takers, resourceful, innovative and enterprising.