

## Design Technology Long Term Plan – 2017-2018

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Shipwrecked	Musical Minds	How to Train a Dragon	I can change the World	Into the Woods	Superheroes
K S 2 *			<ul style="list-style-type: none"> <li>• DT2/1.1a use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</li> <li>• DT2/1.1b generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</li> <li>• DT2/1.2a select from and use a wider range of tools and equipment to perform practical tasks accurately</li> <li>• DT2/1.2b select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</li> <li>• DT2/1.3a investigate and analyse a range of existing products</li> <li>• DT2/1.3b evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</li> <li>• DT2/1.3c understand how key events and individuals in design and technology have helped shape the world</li> <li>• DT2/1.4a apply their understanding of how to strengthen, stiffen and reinforce more complex structures</li> <li>• DT2/1.4b understand and use mechanical systems in their products</li> <li>• DT2/1.4c understand and use electrical systems in their products</li> <li>• DT2/1.4d apply their understanding of computing to programme, monitor and control their products.</li> </ul> <p><u>Ideas:</u> make a dragon (or an animal that can fly) with moving parts (wings), make a home for a dragon; make a vehicle to transport the dragon. Look at existing animal transportation – how could it be improved, what changes would need to be made for a dragon?</p>	<ul style="list-style-type: none"> <li>• DT2/2.1a understand and apply the principles of a healthy and varied diet</li> <li>• DT2/2.1b cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet</li> <li>• DT2/2.1c become competent in a range of cooking techniques [for example, selecting and preparing ingredients; using utensils and electrical equipment; applying heat in different ways; using awareness of taste, texture and smell to decide how to season dishes and combine ingredients; adapting and using their own recipes]</li> <li>• DT2/2.1c understand the source, seasonality and characteristics of a broad range of ingredients</li> </ul> <p><u>Ideas:</u> foods from different countries, traditional dishes, where does food come from?</p>		

\*Year groups within Key Stages to be differentiated by following the key skills 'I can ...' statements for each specific year group.