



Long Term Design Overview Cycles A and B

Class One

Term	Autumn		Spring		Summer	
Cycle A Theme	Dinosaur Planet	Where do I live?	Bright Lights, Big City.	Weather Experts	Memory Box	On Safari
	Design and make a moving model of a dinosaur with sliders and levers. Mechanisms (sliders and levers)		Design and make a model of a fire engine with wheels and axles Mechanisms and woodwork			Design and make a 'safari' animal hand puppet. Textiles and sewing
Cycle B Theme Class One	Towers, Tunnels and Turrets	Continents & Oceans	Land Ahoy! (Famous explorers)	Let's go to China	Famous for more than 5 minutes	Street Detectives (Hemington and our local area)
	Design and make a model castle incorporating a pneumatic drawbridge system. Structures and mechanisms		Design, prepare, cook and serve a 'stew' for a pirate. Cooking and nutrition			Design, prepare and serve a fresh salad using produce from a local farm shop Cooking and Nutrition



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Class Two

Term	Autumn		Spring		Summer	
Cycle A Theme	Tribal Tales (Stone Age to Iron Age)	Misty Mountain Sierra	Pharaohs (Egyptians)	The Journey of Food	Victorians (Homes and Palaces)	Modern Europe
	Design and make a Stone Age 'pouch'. Textiles and sewing		Design and make a model of an Ancient Egyptian mummy in a sarcophagus incorporating a pneumatic 'lid' system. Structures and mechanisms			Design and make a model of the Eiffel Tower (from art straws). Structures
Cycle B Theme Class Two	The Mayas	Extreme Weather	I am a Warrior (Romans)	Earth Matters	Traders & Raiders (Anglo-Saxons)	Location, Location, Location
	Design and make a model of a Mayan hut. Structures			Design and make a model recycle bin. Structures and woodwork		Design and make a model bridge to span across the local canal Structures



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Class Three

Term	Autumn		Spring		Summer	
Cycle A Theme	Gods & Mortals (Ancient Greeks)	The Journey of a river	Traders & Raiders (Vikings)	Amazon Rainforest	America and the Slave Trade	Made in North America California
			Design and make a model of a Viking ship. Mechanisms (cams)			Design, prepare, cook and serve a burger meal. Cooking and nutrition
Class Three Cycle B Theme	China – The Shang Dynasty	The Frozen Kingdom	A Child’s War (World War 11)	Tremors	Where we live	Coastlines
			Make do and mend’ – recycle an old t-shirt by adding an applique design to it. Textiles and sewing		Design and make a fairground ride for the local area (Castle Donington). Electrical and structures	Design and make a model of a lighthouse. Electrical and structures