Whole School Design and Technology Curriculum Map

	KS1	LKS2	UKS2
Autumn A	Design, make and evaluate a Christmas card with a slider mechanism to send season's greetings to a friend or family member .	Design, make and evaluate traps used by the film industry to portray ancient Egyptian pyramid traps to keep their treasures safe from thieves.	Design, make and evaluate the use of pulleys to transport tomatoes from the top of a mountain in Nepal to the bottom .
Autumn B	Design, make and evaluate a temporary structure for a group of explorers to protect them from the elements they might experience in the climate they are in.	Design, make and evaluate a Christmas stocking inspired by The Grinch.	Design, make and evaluate fashion through the 1900s to create items inspired by the “make-do and mend” efforts during WWII .
Spring A	Design, make and evaluate an African inspired snack, using ingredients that would be found in Africa.	Design, make and evaluate building structures to withstand earthquakes. .	Design, make and evaluate alternative power to help with climate change, come up with ideas to harness renewable energy and create circuits using this type of power .
Spring B	Design, make and evaluate an item of clothing (textile) for a monarch to suit their station in society.	Design, make and evaluate food from the Amazon rainforest. Create a healthy dessert inspired by rainforest produce.	Design, make and evaluate a bird hide for an ornithologist to observe native birds to the UK in their natural habitat.
Summer A	Design, make and evaluate a Victorian fairground ride using wheels and axles to appeal to children.	Design, make and evaluate a local lighthouse and create a design for a new lighthouse using electrical circuits and simple programs.	Design, make and evaluate coastal themed food, focussing on celebrating culture, seasonality and foraging .
Summer B	Design, make and evaluate a healthy snack for sports day. You must use local produce and the snack must be balanced for the purpose of sports .	Shields and Defence Design, make and evaluate defence structures, including formations, use CAD to model various formations.	Design, make and evaluate Mayan inspired tacos, use farming methods and celebrate culture and seasonality.