

Design Technology Long Term Plan 2021-22



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y1 Unit and links	Food technology Link to: Geography 'What's it like where we live?'		Textiles Link to: Geography 'People and their communities'		Construction Link to: Geography 'Animals and their habitats'	Mechanics: Link to: History transport
Possible project (Projects on a page title)	Sew / glue a Yorkshire Rose book mark (templates and joining)		Make 'dips from around the world' (preparing fruit and veg)		Make an animal shelter / bug hotel (Freestanding structures)	Make a car of the future (wheels and axles)
Y2 Unit and links	Textiles: Geography 'Seasons'	Construction: History 'Bonfire Night and the Great Fire of London'	Food technology: Geography 'Where does our food come from?'		Mechanics: Science 'Use of every day materials'	
Possible project (Projects on a page title)	Stitch a 'seasons mobile' with weather symbols (templates and joining)	Create a structures out of different materials to test strength and fireproofing. Freestanding structures	Prepare a local / world salad or fruit salad (Preparing fruit and veg)		Create a sliding fact card / display. (Slides and levers)	
Y3 Unit and links		Mechanics <i>Seasonal</i>	Textiles: History 'Bronze Age to Iron Age'		Construction: Science 'plants'	Food technology: Geography 'Coasts'
Possible project		Design a moving parts Christmas card Levers and linkages	Design an iron age style pouch 2D shape to 3D product		Design a planter (using nets) Shell structures (not CAD)	Design picnic sandwiches for a trip to the beach Healthy and varied diet

(Projects on a page title)						
Y4 Unit and links	Electronics Science 'electricity'	Mechanics Seasonal		Food technology: History 'The Romans'	Construction: Geography 'Earthquakes and volcanoes'	
Possible project (Projects on a page title)	Design and make a night light. Simple circuits and switches	Design a toy with pneumatic element to give as a gift Pneumatics		Design a Roman inspired feast and bake the bread for it. Healthy food and varied diet	Design a shelter from an earthquake Shell structures CAD	
Y5 Unit and links		Construction Geography: Changes in our Local Environment	Food technology: History: The Vikings		Mechanics: History: Journeys	Textiles: Geography: Journeys – Clothes
Possible project (Projects on a page title)		Design a small scale bird hide Frame structures	Design and make yeast versus non yeast scones Celebrating culture and seasonality		Design a moving vehicle using pulleys and gears Pulleys and gears	Designing a functional belt Combining different fabric shapes
Y6 Unit and links	Food technology: Geography: South America – The Amazon		Mechanics: Geography: Global Warming and Climate Change	Electronics History: The Ancient Greeks		Construction History: The Impact of War
Possible project (Projects on a page title)	Design a South American meal Celebrating culture and seasonality		Design a power-free eco friendly CAM toy Cams	Design an alarm to protect an ancient artefact More complex switches		Design a new playground to improve the area after WW2 OR – transition project