



Long Term Planning: Design Technology

	Autumn Term	Spring Term		Summer Term
Year 1	How can I build a street without bricks?	How can I build a street without bricks? / Engineer Leaders Award Lvl 1		'Bake off' / Primary Engineer – Regional competition (Shoe box cars Lvl 1)
Year 2	How can I build a castle that withstands invasion?	How can I build a castle that withstands invasion? / Engineer Leaders Award Lvl 1		'The organic pizza business' / ALP BMW Engineer competition
Year 3	Was wattle and daub an effective building technique?	How can a building survive an earthquake? / Engineer Leaders Award Lvl 2		'The great British farm shop'(Pupil made farm produce) / Primary Engineer – Regional competition (Shoe box cars Lvl 2)
Year 4	How healthy was an Anglo Saxon diet?	CAD/CAM Computer Aided Design & Computer Aided Manufacturing / Engineer Leaders Award Lvl 2		Primary Engineer – Regional competition (Electric/motorised vehicles)
Year 5	To design and make an authentic Tudor puppet	To design and make an authentic Tudor puppet	Engineer Leaders Award Lvl 2	Seasonal soup' /Primary Engineer – Regional competition (Electric/motorised vehicles with gears)
Year 6	Did all classes of passenger on board RMS Titanic have a healthy and balanced diet?	BMW design project / Engineer Leaders Award Lvl 2		Primary Engineer – Regional competition (Electric/motorised vehicles with gears), including pupils' own CAD/CAM (3D printed) produced parts