



Year Groups	Autumn Term	Spring Term	Summer Term
EYFS	Linking to ELG of Understanding the World, Expressive Arts and Design and Communication and Language Development. Please refer to EYFS planning for further details		
YEAR A Y R/1, Y1 & Y2	<u>What is the weather like around the world?</u> Design, make and evaluate, weather wheels and weather stations	<u>What is life like in a castle?</u> Design, make and evaluate castles. Research and identify design features, develop own designs and then evaluate. FOCUS ON FREE STANDING STRUCTURES	<u>How do plants grow? Plants and lifecycles</u> Design, make and evaluated shoe box habitats (for school geckos or animal of choice) FOCUS ON TEXTILES
YEAR B Y R/1, Y1 & Y2	<u>What is it like in different parts of the UK?</u> Design and make a healthy afternoon tea celebrating food from around the UK. Design sandwiches and prepare fruit and veg. FOCUS ON FOOD TECH – PREPARING FRUIT	<u>Why are these people famous? Samuel Pepys and Great Fire of London</u> Design, make and evaluate a fire engine. FOCUS ON WHEELS AND AXLES	<u>Which animals live at the seaside?</u> Design, make and evaluate Seaside creature toy/puppet FOCUS ON SLIDERS AND LEVERS
YEAR A Y2/3 & Y3	<u>How does S. America compare with Wombwell?</u> Design, make and evaluate rainsticks. Create a carnival t-shirt. FOCUS ON TEXTILES – 2d SHAPE TO 3D PRODUCT	<u>Stone Age to Iron Age: Tribes, hunting , gathering and farming</u> <u>Roman Britain: Expansion and Invasion</u> Design, make and evaluate a primitive house based on research around roundhouses, FOCUS ON FREE STANDING STRUCTURES	<u>What do plants and animals need to be healthy?</u> Designing, making and evaluating a healthy meal FOCUS ON FOOD – HEALTHY AND VARIED DIET
YEAR B Y2/3 & Y3	<u>Exploring rivers, mountains and oceans</u> Design, make and evaluate a water vessel to carry a specified cargo over a given distance.	<u>Stone Age to Iron Age: Technology and travel</u> <u>Roman Britain: Who was Boudicca?</u> Design, make and evaluate a chariot or a cart to link to or be drawn by a horse. FOCUS ON WHEELS AND AXLES	<u>What life can be found in the seas and oceans?</u> Create a moving sea-creature toy RECAP LEVERS and LINKAGES
YEAR A Y4, Y4/5 & Y5	<u>Where would you like to visit in Europe?</u> Designing, making and evaluating European Landmarks that light up but can be turned on and off. FOCUS ON ELECTRICAL SYSTEMS – SIMPLE CIRUCITS AND SWITCHES	<u>Who were the Anglo Saxons and Vikings?</u> <u>Ancient Greeks: Culture and Beliefs</u> Design, make and evaluate a Viking longboat toy using cams. FOCUS ON MECHANICAL SYSTEMS - CAMS	<u>What on Earth is beyond our planet?</u> Design and make and evaluate a space buggy, which can be programmed using computer software. Use of LEGO WEDO.2 software FOCUS ON ELECTRICAL SYSTEMS
YEAR B Y4, Y4/5 & Y5	<u>How does Whitby compare to Wombwell?</u> Creating seaside souvenir packaging. FOCUS ON STRUCTURES –SHELL STRUCTURES USING COMPUTER AIDED DESIGN	<u>What was life like in Wombwell during WW1?</u> <u>Ancient Greeks – Innovation and Legacy</u> Design, make and evaluate products using pulleys or gears FOCUS ON MECHANICAL SYSTEMS – PULLEYS OR GEARS	<u>Which animals and plants live in habitats around the world?</u> Food topic on celebrating culture and seasonality. FOCUS ON FOOD – CELEBRATING SEASONALITY AND CUSTOMS
YEAR 6	<u>Extreme Earth: What causes natural disasters?</u> Design, make and evaluate disaster warning systems linking to geography topic. FOCUS ON ELECTRICAL SYSTEMS – MORE COMPLEX SWITHES AND CIRCUITES	<u>Who were the Ancient Egyptians?</u> <u>What was Wombwell like in Victorian times?</u> Design, make and evaluate an alarm system to protect priceless artefacts in the British Museum FOCUS ON ELECTRICAL SYSTEMS – MONITORING AND CONTROL	<u>What is the story behind Chocolate?</u> Design, make and evaluate chocolate box designs. FOCUS ON FURTHER DEVELOPMENT OF COMPUTER AIDED DESIGN Design, make and evaluate continental style chocolates FOCUS ON FOOD PRODCUT DEVELOPMENT
ANNUAL SCIENCE AND TECHNOLOGY WEEK, ENGAGEMENT WITH LOCAL UNIVERSITIES AND EMPLOYERS PROVIDING ASPIRATIONAL CAREER TALKS AND WORKSHOPS THROUGHOUT THE YEAR PLEASE REFER TO THE FULL SUBJECT OVERVIEW FOR MORE DETAILS.			