

	Autumn 2		Spring 2		Summer 2	
Nursery (EAD: Creating with materials)	Design and make a house.	Build a bridge for the Three Billy Goats Gruff	Emergency vehicles	Paper plate masks	Minibeast hotel	Biscuit making/decorating
Reception (EAD: Creating with materials)	Make my Community: Methods of joining	Make a bear with moving parts.	Making Sandwiches	Design and make an animal with clay (3D modelling)	Design and build a beanstalk.	Make a fruit kebab
Year 1	<p>Food: preparing fruit and vegetables (possible link to Handa's surprise at end of Reception or text in year 1/Harvest festival?)</p> <p><i>How can we tell the difference between a fruit and a vegetable? How can we combine fruits and vegetables that are in season?</i></p>		<p>Mechanisms: wheels and axles. (History – Castles)</p> <p><i>How can we transport heavy materials to build a castle? How can I protect a castle from invaders?</i></p>		<p>Textiles: templates and joining techniques (Geography – Extremes)</p> <p><i>How could we join fabric to make a warm pair of gloves?</i></p>	
Artist study	<p>Vikas Khanna (1971 – present) World famous Indian Chef</p>					
Year 2	<p>Mechanisms: sliders and levers (Geography – What is London like?)</p> <p><i>How could we use mechanisms to create a pop-up fact book and bring a book to life?</i></p>		<p>Structures: freestanding structures (Geography/Art – Town and Country)</p> <p><i>How can I strengthen a structure for people to live in?</i></p>		<p>Textiles: templates and joining techniques (History – Great Fire of London)</p> <p><i>How could we make our fabric look 3D for a class mural?</i></p>	
Artist study						



<p>Year 3</p>	<p>Structures: shell structures using CAD (History - Stone Age)</p> <p><i>How can I create a box to transport Stone Age artefacts?</i></p>	<p>Mechanical systems: levers and linkages (History - Bronze age)</p> <p><i>How can I use mechanisms to create a bronze age scene?</i></p>	<p>Food: a healthy diet (Geography/Art - Where does our food come from?)</p> <p><i>How can I use different types of food that are in season to create a healthy sandwich?</i></p>
<p>Artist study</p>			
<p>Year 4</p>	<p>Electrical systems: simple switches and circuits (Science - electricity)</p> <p><i>How can I use switches to create a circuit that I can control?</i></p>	<p>Mechanisms: pneumatics (Science - animals and habitats)</p> <p><i>How can I use mechanisms to create an animal that moves in its habitat?</i></p>	<p>Textiles: 2-D shapes to 3-D products (History - Romans)</p> <p><i>How can I build a 3-D Roman purse from flat materials?</i></p>
<p>Artist study</p>	<p>Lewis Latimer (1848 - 1928) Inventor of the Carbon filament and helped draft the patent for Bell's design of the telephone</p>		
<p>Year 5</p>	<p>Structures: frame structure (Geography - Trentham Gardens)</p> <p><i>How can I build a structure to suit the landscape of Trentham Gardens?</i></p>	<p>Mechanical systems: cams (Geography - Extreme Earth)</p> <p><i>How can I make a moving model of a natural disaster?</i></p>	<p>Food: culture and seasonality (History - Anglo Saxons)</p> <p><i>What skills do I need to prepare a traditional Anglo-Saxon dish?</i></p>
<p>Artist study</p>			



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Year 6	<p>Textiles: combining different fabric shapes AND Using Computer Aided Design in textiles (History - Battle of Britain)</p> <p><i>How can I combine different fabrics to breathe new life into old clothes?</i></p>	<p>Electrical systems: complex switches and circuits AND Monitoring and control (Science - light and electricity)</p> <p><i>How can I design and control an alarm system to protect a valuable artefact?</i></p>	<p>Mechanical systems: pulleys and gears (History - Crime and punishment)</p> <p><i>How can I use pulleys and gears to recreate an artefact used for Crime and Punishment over the ages?</i></p>
Artist study		<p>Marie Van Brittan Brown (1922 - 1999) Inventor of first home security CCTV system</p>	