

	Autumn 2	Spring 2	Summer 2
Nursery	Continuous provision	Continuous provision	Continuous provision
Reception	Continuous provision	Continuous provision	Continuous provision
Year 1	Food: preparing fruit and vegetables (possible link to Handa's surprise at end of Reception or text in year 1/Harvest festival?) <i>How can we tell the difference between a fruit and a vegetable?</i> <i>How can we combine fruits and vegetables that are in season?</i>	Mechanisms: wheels and axles. (History – Castles) <i>How can we transport heavy materials to build a castle?</i> <i>How can I protect a castle from invaders?</i>	Textiles: templates and joining techniques (Geography – Extremes) <i>How could we join fabric to make a warm pair of gloves?</i>
Artist study	Vikas Khanna (1971 – present) World famous Indian Chef		
Year 2	Mechanisms: sliders and levers (Geography – What is London like?) <i>How could we use mechanisms to create a pop-up fact book and bring a book to life?</i>	Structures: freestanding structures (Geography/Art – Town and Country) <i>How can I strengthen a structure for people to live in?</i>	Textiles: templates and joining techniques (History – Great Fire of London) <i>How could we make our fabric look 3D for a class mural?</i>
Artist study			



Co-op Academy Clarice Cliff 25/26 D and T Whole School Overview



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



Co-op Academy
Clarice Cliff

Co-op Academy Clarice Cliff 25/26 D and T Whole School Overview



Co-op Academy
Clarice Cliff

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