

Design and Technology

Year Group	Autumn Term	Spring Term	Summer Term
EYFS	Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used. Make use of props and materials when role-playing characters in narratives and stories.		
Year 1	Electricals and electronics Food	Mechanics Construction	Textiles Design product
Learning Powers and values	<p style="text-align: center;">Resilience – to trust the process even if the piece of work needs development or does not work first time Kindness – towards their own work and that of others (peers, staff and designers), using kind language about others design and project work Respect for others – for the products of designers and peers, agreeing to disagree on liking the work of different designers Curiosity – explore new techniques, skills and finished projects of famous/local designers Self-belief – giving new strategies 'a go' and having the courage to try new techniques on their own</p>		
Opportunities for exploring and celebrating diversity	Donna Auguste – electrical engineer Michael Caines – chef Julia Child – chef	Yvonne Clark – mechanical engineer Robert T. Coles – architect	Diedrick Brackens – textile designer Kusheda Mensah - designer
Year 2	Electricals and electronics Food	Mechanics Construction	Textiles Design product
Learning Powers and values	<p style="text-align: center;">Resilience – to trust the process even if the piece of work needs development or does not work first time Kindness – towards their own work and that of others (peers, staff and designers), using kind language about others design and project work Respect for others – for the products of designers and peers, agreeing to disagree on liking the work of different designers Curiosity – explore new techniques, skills and finished projects of famous/local designers Self-belief – giving new strategies 'a go' and having the courage to try new techniques on their own</p>		
Opportunities for exploring and celebrating diversity	Shirley Ann Jackson – electrical engineer Mitsuhiro Araki – chef Nigella Lawson – chef	George Edward Alcorn Jr. – engineer Alma Carlisle – architect	Bisa Butler – textile designer David Adjaye - designer
Year 3	Materials Construction and Mechanics	Textiles Food	Electricals and Electronics Design product
Learning Powers and values	<p style="text-align: center;">Resilience – to trust the process even if the piece of work needs development or does not work first time Kindness – towards their own work and that of others (peers, staff and designers), using kind language about others design and project work Respect for others – for the products of designers and peers, agreeing to disagree on liking the work of different designers Curiosity – explore new techniques, skills and finished projects of famous/local designers Self-belief – giving new strategies 'a go' and having the courage to try new techniques on their own</p>		
Opportunities for exploring and celebrating diversity	Georgia Louise Harris Brown – architect Paul S. Devroux – architect	Faith Ringgold – textile designer Sat Bains – Chef Ching-He Huang – chef	Granville Tailer Woods – electrical engineer Yinka Ilori - designer

Year 4	Materials Construction and mechanics	Textiles Food	Electricals and Electronics Design product
Learning Powers and values	Resilience – to trust the process even if the piece of work needs development or does not work first time Kindness – towards their own work and that of others (peers, staff and designers), using kind language about others design and project work Respect for others – for the products of designers and peers, agreeing to disagree on liking the work of different designers Curiosity – explore new techniques, skills and finished projects of famous/local designers Self-belief – giving new strategies 'a go' and having the courage to try new techniques on their own		
Opportunities for exploring and celebrating diversity	Pierre Davis – designer Phil Freelon – architect	Nick Cave – textile designer Nadiya Hussain – baker Andrew Wang – chef	Lewis Latimer – electrical engineer Rei Kawakubo - designer
Year 5	Textiles Construction and Mechanics	Materials Electricals and Electronics	Food Design Product
Learning Powers and values	Resilience – to trust the process even if the piece of work needs development or does not work first time Kindness – towards their own work and that of others (peers, staff and designers), using kind language about others design and project work Respect for others – for the products of designers and peers, agreeing to disagree on liking the work of different designers Curiosity – explore new techniques, skills and finished projects of famous/local designers Self-belief – giving new strategies 'a go' and having the courage to try new techniques on their own		
Opportunities for exploring and celebrating diversity	NedRa Bonds – textile designer Harvey Gantt – architect	Mary 'Molly' Fergusson – civil engineer John Bardeen – electrical engineer	Haile Thomas – chef Jeff Henderson – chef Joe Casely-Hayford - designer
Year 6	Food Electricals and Electronics	Materials Construction and Mechanics	Textiles Design Product
Learning Powers and values	Resilience – to trust the process even if the piece of work needs development or does not work first time Kindness – towards their own work and that of others (peers, staff and designers), using kind language about others design and project work Respect for others – for the products of designers and peers, agreeing to disagree on liking the work of different designers Curiosity – explore new techniques, skills and finished projects of famous/local designers Self-belief – giving new strategies 'a go' and having the courage to try new techniques on their own		
Opportunities for exploring and celebrating diversity	Marcus Samuelsson – chef Barbara Smith – chef Nikola Tesla – electrical engineer	Ivenue Love-Stanley – architect Maya Lin - designer	Bisa Butler – textile designer Stan Lee – graphic designer