



Design and Technology – Cycle B



Design and Technology Overview - Cycle B

	Autumn Term	Spring Term	Summer Term
FS1	Main Enquiry Question: How many colours in a rainbow? Area of DT: sheet materials Skills - colour mixing	Main Enquiry Question: Do all minibeasts have legs? Area of DT: textiles (minibeasts) Skills – threading/ fine motor skills /	Main Enquiry Question: Area of DT: box modelling Skills –
Designer			
FS2	Main Enquiry Question: Do all cards look the same? Area of DT: Sheet Materials Skills – folding gluing sticking	Main Enquiry Question: Do all houses look the same? Area of DT: box modelling Skills – box modelling. Cutting securing	Main Enquiry Question: Do all sea creatures have fins? Area of DT: Textiles – (Under the sea) Skills – threading – running stitch
Designer			
KS1 Year 1	Main Enquiry Questions: How can you make a picture move? Area of DT: Mechanisms Skills: sliders	Main Enquiry Questions: How can we stop a tower from toppling over? Area of DT: structures Skills: construction and joins	Main Enquiry Question: Why are vegetables the best? Area of DT: Food and Nutrition Skills - <div style="display: flex; justify-content: space-around; margin-top: 10px;">    </div>
Designer / History of DT	Little Red Riding Hood First every Christmas pop up book.	The leaning tower of Pisa	Basic knife skills To learn that vegetables are healthy.
KS1 Year 2	Main Enquiry Questions Are bigger wheels always better? Area of DT: Mechanisms Skills: Axels and Chassis	Main Enquiry Questions: How strong is a piece of paper? Area of DT: structures Skills: materials and their strength for a particular purpose.	Main Enquiry Question: What does healthy mean? Area of DT: Food and Nutrition Skills - <div style="display: flex; justify-content: space-around; margin-top: 10px;">    </div>
Designer / history of DT	Carl Friedrich Benz o German Mechanical Engineer – built the first car	Dame Zaha Mohammed – female Architect Hadid was known as the ;paper Architect’	To learn what healthy means. To learn that vegetables give the body nutrients.

LKS2 Year 3	Main Enquiry Question: How many ways are there to open a door? Area of DT: Mechanisms Skills: Levers and Linkages	Main Enquiry Questions: How are things powered? Area of DT: Systems Skills: To know how energy is powered	Main Enquiry Question: What do we mean by a balanced diet? Area of DT: Food and nutrition Skills - 
Designer	Archimedes – extensive studies using levers	William Kamkwamba – wind turbine to power a number of electrical appliances (Inventor, engineer, author)	To learn about balanced diets
LKS2 Year 4	Main Enquiry Question: How many ways are there to open a door? Area of DT: Mechanisms Skills: Levers and Linkages	Main Enquiry Questions: How useful are switches? Area of DT: circuits Skills: electrical circuits	Main Enquiry Question: What’s really on your food? Area of DT: Food and nutrition Skills - 
Designer / History of DT	Archimedes – extensive studies using levers	Samuel Bagnó – inventor of the motion sensor	To explore the difference between freshly made food and pre prepared foods
UKS2 Year 5	Main Enquiry Question: What fabric is hardwearing and best for the use of a lunch bag? Area of DT: Textiles Skills: Sewing	Main Enquiry Questions: How are frames strengthened, reinforced and made rigid? Area of DT: Structures Skills: how are structures joined (Woodwork)	Main Enquiry Question: Why are our diets so different? Area of DT: Food and Nutrition Skills - 
Designer / History of DT	Levi Stauss - founder of the first company to make blue jeans	Abraham Darby III English ironmaster and Quaker	To learn about middle eastern dishes. To know how to make dishes appealing.
UKS2 Year 6	Main Enquiry Question: What fabric is hardwearing and best for the use of a lunch bag? Area of DT: Textiles	Main Enquiry Questions: How do pulleys and gears let you see the world? Area of DT: Mechanisms	Main Enquiry Question: Can street food save us? Area of DT: food and nutrition Skills - 

	Skills: Sewing	Skills: gears and pulleys	
Designer / History of DT	Levi Stauss - founder of the first company to make blue jeans	The London Eye - key link for buildings within the UK	Study and make street foods. Consider their own diet and snacks.