

KS1 DT			
	Autumn	Spring	Summer
Year 1	<ul style="list-style-type: none"> <li>Wheels and Axels-design and make a vehicle for a super hero.</li> </ul>	<ul style="list-style-type: none"> <li>Levers and linkages- Design and make a spaceship/rocket moving picture based on <i>The Way back Home</i> by Oliver Jeffers.</li> </ul>	<ul style="list-style-type: none"> <li>Food- linking with Kenya topic- focusing on where food comes from/farming and what food comes from plants/animals.</li> </ul>
Year 2	<ul style="list-style-type: none"> <li>Structures- Design and make an improved Titanic.</li> </ul>	<ul style="list-style-type: none"> <li>Textiles – link to everyday materials science-Design and make a puppet of a character from <i>Fantastic Mr Fox</i> by Roald Dahl.</li> </ul>	<ul style="list-style-type: none"> <li>Wheels and axels- link to history topic of transport- Design and make a vehicle that could take someone across England in the past. -</li> </ul>
Designers/Engineers/ Chefs/manufacturers who have developed ground breaking products	<ul style="list-style-type: none"> <li>Thomas Andrews Designer of the Titanic. Evaluate his design.</li> </ul>		Look at British designer Alec Issigonis, who designed the Mini and evaluate. Is this car practical? How could it be improved?

# Design , Make , Evaluate...

Home, school, gardens, playgrounds, local community, industry, wider environment

LKS2 DT				
	Autumn	Spring	Summer 1	Summer 2
Cycle A	<ul style="list-style-type: none"> <li>Gears and Pulleys- Looking at clock designs-link in with <i>The inventions of Hugo Cabret</i> by Brian Selznick.</li> </ul>	ART	<ul style="list-style-type: none"> <li>Electrical systems- Design and make a torch.</li> </ul>	<ul style="list-style-type: none"> <li>Food-looking at which foods are caught, grown and reared make a savoury dish (Spanish food, patatas bravas)</li> </ul>
Designers/Engineers/ Chefs/manufacturers who have developed ground breaking products	Khalaf al-Muradi invented the first geared clock in the 11 <sup>th</sup> century.		David Misell-Invented the battery operated torch.	<ul style="list-style-type: none"> <li></li> </ul>
Cycle B	ART	<ul style="list-style-type: none"> <li>Shell Structures- Architecture- contrast ancient Greek theatre's with a modern theatre (Sydney Opera House) and design and make own theatre.</li> </ul>	<ul style="list-style-type: none"> <li>Levers and linkages- Link to <i>Escape from Pompeii</i> by Christina Balit -Make a moving volcano eruption scene using levers and linkages.</li> </ul>	<ul style="list-style-type: none"> <li>Food- healthy and varied diet-look at the EatWell plate and design and make balanced meal in groups or as a class.</li> </ul>
Designers/Engineers/ Chefs/manufacturers who have developed ground breaking products	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li>Jørn Utzon- Architect for the Sydney Opera House</li> </ul>		Jamie Oliver- Healthy Schools

# Design, Make, Evaluate...

Home, school, leisure, culture, enterprise, industry, wider environment

UKS2 DT

	Autumn	Spring	Summer 1	Summer 2
Year 5	<ul style="list-style-type: none"> <li>Food – savoury- linking to rainforest topic- what crops grow in the Amazon (avocado, peppers, okra, beans, pineapple, banana, cocoa) make a dish including one of the savoury ingredients and learn about how cocoa is processed to make chocolate.</li> </ul>	ART	<ul style="list-style-type: none"> <li>3D Textiles- design and make a bag for a purpose.</li> </ul>	<ul style="list-style-type: none"> <li>Cams-Linking in with science forces topic- design and make a moving toy.</li> </ul>
Designers/Engineers/ Chefs/manufacturers who have developed ground breaking products	<ul style="list-style-type: none"> <li></li> </ul>		Margaret E Knight- Inventor and designer who invented the flat-bottomed paper bag.	<ul style="list-style-type: none"> <li></li> </ul>
Year 6	<ul style="list-style-type: none"> <li>CAD-Link with local high school for MGL for CAD project.</li> </ul>	<ul style="list-style-type: none"> <li>Food- understanding seasonality- link with local farm to learn about how their crops change through the year and learn about what they grow.</li> </ul>	ART	<ul style="list-style-type: none"> <li>Electrical systems – link to science- create wire loop (steady hand/buzzer) game.</li> </ul>
Designers/Engineers/ Chefs/manufacturers who have developed ground breaking products				