Above and Beyond – Design & Technology (Year 9)			
	Title: 20 <sup>th</sup> Century Inventions		Title: Simple Socks
1	<b>Details:</b> Brilliant inventors from the late 19th century to the present day have built	_	<b>Details:</b> Describe the fibre used to make socks and it production method – present
	on each other's work to launch a revolution in electronics. In recognising the team		you findings as two fact files, where, when, why.
	of Bardeen, Brattain, and Shockley for their invention of the transistor, the Nobel Prize also paid tribute to their predecessors, the discoverers of electrons, the		One side of A4, include diagrams and descriptive writing about each.
	vacuum tube, purified crystals, and diodes. Pupils are to research the developments	5	
	in electronics in the 20th century. Starting with the diode in 1904.		
	Curriculum link: Systems & Control: Electronic Components		Curriculum link: Textiles: Fabrics
	House Points: 25		House Points: 25
	Title: Wood Fact File		Title: Illustrators
	<b>Details:</b> 1.Explain the main difference between hardwoods and softwoods. (It's to		<b>Details:</b> Investigate a variety of modern children's illustrator's and their work.
	do with the leaves)		Focus on the style, medium, and design of their work. Analyse and compare two
2	2.Tell me about Red Pine: Is it a hard or soft wood? Where is it grown? What is it used for? Is it sustainable? Justify your answer.	6	illustrator's work. Focus specifically on the books covers and the effect their design has on the consumer. Design three different book covers for you in the
2	3.Tell me about Mahogany: Is it a hard or soft wood? Where is it grown? What is it	6	style of your favourite illustrator
	used for? Is it sustainable? Justify your answer.		
	Curriculum link: Materials Technology: Sustainable Materials		Curriculum link: Graphics: Illustration
	House Points: 25		House Points: 25
3	Title: Super Soup		Title: The Next Big Thing
	<b>Details:</b> To interview 10 different groups of people to find out how they save money		<b>Details:</b> If you were to predict the next big move in the development of mobile
	when buying food. Before, during and after they shop!  Make a tasty vegetable-based soup, which is cheap and simple to make. Try to apply		phone technology, what would it be? We have had cameras added, MP3 players and ability to play videos. Email can be
	some of your money saving tips.	7	sent, and apps downloaded. But what is next?
	You will practice your bridge and claw techniques and using knives safely.	/	sent, and apps downloaded. But what is next.
	Curriculum link: Food Preparation & Nutrition: Planning Meals		Curriculum link: Design 7 Technology: Future Developments
	House Points: 50		House Points: 25
4	Title: City Life  Details: Produce a model of a city of the future. Outline what facilities will be		<b>Title:</b> Engineering in Dereham <b>Details:</b> Design a 'Engineers Guide' to Dereham, Norfolk. Outlining all the industry
	needed and the structure of the buildings. What materials will be used and how will		that happens in the local area. Your guide should include general information
	they be constructed.		about Dereham, and those things that are assembled and manufactured here.
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	Curriculum link: Materials Technology: SMART Materials		Curriculum link: Materials Technology: Manufacturing Techniques
	House Points: 50		House Points: 50