

**Felpham Community College – Key Stage 3 S of W**

<b>Subject:</b> Design and Technology	<b>Year:</b> 9	<b>Leader:</b> Laura Mepham
---------------------------------------	----------------	-----------------------------

<b>Autumn Term 1 Food Technology</b>	<b>Activities</b>	<b>Homework/Assessment</b>
Topic: Factors affecting food choice International cuisine	Students will complete an ongoing booklet looking into how different factors affect food choice.  Egg fried rice Chicken schnitzel burger Homemade Pasta + sauce	Religious dietary requirements Research of cuisine and culture in a country of choice  Students will be assessed on planning and evaluating, accuracy, detail, creativity and presentation.
Literacy / Numeracy / ICT Key words + evaluating. Sensory analysis. Measuring. Nutritional analysis		

<b>Autumn Term 2 Food Technology</b>	<b>Activities</b>	<b>Homework/Assessment</b>
Topic: Food science – coagulation, denaturation, aeration Food presentation British Cuisine	Students will complete a food science booklet alongside practicals Egg investigation – how cooking methods affect protein coagulation Swiss roll British dish of choice	Choosing and explaining choice of British dish to make and serve  Students will be assessed on planning and evaluating, accuracy, detail, creativity and presentation.
Literacy / Numeracy / ICT Key words + evaluating. Sensory analysis. Measuring. Nutritional analysis		

<b>Spring Term 1 Textiles</b>	<b>Activities</b>	<b>Homework/Assessment</b>
Topic: Fairs and carnivals. The students are to design and make a piece of textile art inspired by the theme of Fairs and Carnivals.	Internet based research, Designer research and written analysis Designing Decorative textile techniques	Upcycling project: Students are to research into existing designers who up cycle products and then design and make their own upcycled product.  Students will be assessed on their creativity/accuracy/problem solving. Evaluating.
Literacy / Numeracy /ICT Key terminology/measuring materials/internet for research/adapting patterns. 'Word' for evaluations		

<b>Spring Term 2 Textiles</b>	<b>Activities</b>	<b>Homework/Assessment</b>
Topic: Fairs and carnivals. The students are to design and make a piece of textile art inspired by the theme of Fairs and Carnivals.  Topic: Tote bag project	Internet based research, Designer research and written analysis Designing Decorative textile techniques Constructing a product using: specialist tools, processes and equipment, evaluation.  Students will design and create a tote bag to take home. Students will	Upcycling project: Students are to research into existing designers who up cycle products and then design and make their own upcycled product.  Students will be assessed on designing, creativity/originality, development, manufacture/quality of finish.

	complete a booklet of analysis, designs and research before pattern cutting and creating their tote bag.	
Literacy / Numeracy / ICT Keywords, concepts, definitions. Analysing/evaluating. Accuracy; measuring/marketing out. Internet research. Some computer-based designing.		

Summer Term 1 3D design	Activities	Homework/Assessment
Topic: Passive amplifier Students will design and accurately manufacture a passive amplifier.	Design Marking out Cutting skills Drilling Sanding Finishing techniques	Spelling and key words definition tests  Students will be assessed on creativity, problem solving, accuracy and finishing techniques.
Literacy / Numeracy / ICT Internet research, key words, metal-science, marking out, calculations.		

Summer Term 2 3D design	Activities	Homework/Assessment
Topic: Design and model Students will design and model a product based around a historical designer, artist or architect. Students will produce observational drawings and design ideas. Students will create their final product.	Design Material choices and selection Manufacture Material manipulation Finishing techniques	6R's – students are to research and design a product out of recycled materials.  Students will be assessed on creativity, problem solving, accuracy and quality of finish.
Literacy / Numeracy / ICT ICT-CAD design. Key themes, words and concepts, measuring and marking out.		

Website: [technologystudent.com](http://technologystudent.com), [designandtech.com](http://designandtech.com), [bbc.co.uk/bitesize/](http://bbc.co.uk/bitesize/) Resources: Pen, pencil, ruler.

Extension Subject specific extension work.