

## Design & Technology KS4 Curriculum Overview

YEAR 10	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>Food</b>	Macronutrients and healthy eating.	Dietary Needs and Illnesses. Energy Needs / Food Provenance	NEA1 mock	Functional and chemical properties of food. Food Safety.	NEA2 mock	NEA2 mock
<b>Graphics (Theory)</b>	Section 1 Theory & test	Section 2 Theory & test	Section 3 Theory & test	Section 4 Theory & test	Section 5 Theory & test	Section 6 Theory & test
<b>Graphics (NEA)</b>	Development of Key skills through drawing and making techniques. Practice NEA A&B	Develop design proposals & decision making skills, in light of the user's needs. Develop prototypes for display stand. Practice NEA C	Contextual challenge: Design and develop a product using smart or modern materials. Practice NEA D	Contextual challenge: Encouraging a healthy life style. Practice NEA E	Begin NEA: Identify and investigate the design possibilities, produce a design brief and specification. Practice NEA F	NEA: Generate, develop, realise design ideas. Start NEA proper – issued by AQA 1 June complete parts A&B
<b>Textiles</b>	Embellishment Project. Shells Drawing and recording skills Surface decoration techniques	Fabric Manipulation Fashion Museum trip Construction & manipulation skills Development of ideas	Preparation for Practical Exam Starting point: Transform	Continuing Exam prep Practical Exam (10 hours)	Start Sustained Project Theme to be decided Research & recording initial ideas.	Sustained Project Development and refinement of ideas
<b>RM</b>	Theoretical knowledge to be supported by regular homework sessions throughout the year.					
	Design and make a mild steel framed stool/table to be used in the home.	Practical machining skills. Lathe work in both wood & metal.	Begin NEA design coursework. Themes set by exam board.	NEA: Students to start to create an iterative design folder. Create ideas, research materials and techniques. Make models.		

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<b>YEAR 11</b>	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>	<b>Term 4</b>	<b>Term 5</b>	<b>Term 6</b>
<b>Food</b>	NEA1	NEA2	NEA2	Heat Transfer/international cuisines/packaging and labelling	Revision	Exam
<b>Graphics (Theory)</b>	Section 7 Theory & test	Theory Revision	Theory Revision	Theory Revision	Theory Revision	Exams
<b>Graphics (NEA)</b>	NEA proper – complete part C	NEA proper – complete part D	NEA proper – complete part E	NEA proper – complete part F and submit	Extra Theory Revision	Exams
<b>Textiles</b>	Sustained Project Continuing to develop & refine ideas on chosen theme	Sustained Project Final design Outcome to be completed during Mock Exam (10 hrs)	Preparation for Component 2: Externally set Assignment	Continuing prep for ESA Final Practical Exam (10 hrs)	Component 1: Portfolio Selection & presentation of work Art Exhibition	
<b>RM</b>	Theoretical knowledge to be supported by regular homework sessions throughout the year.					
	Completion of Iterative design folder. Begin making the practical outcome		Revise the standard of the Design folder in both content & presentation to maximise mark. Continue with practical project		Complete project. Focussed preparation for the written exam.	Focussed preparation for the written exam. REVISION

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