

Subject: Technology

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	Design Technology • Introduction to H & S in the workshop • Hand and machine tools • Introduction to timber & metals • Environmental impact of using Timber		Food • Healthy Eating • Safety in the Kitchen • Functional properties of Bread • Yeast investigation		Textiles • Intorudction to using the equipment • Learn to control and thread a sewing machine • Intorudction to designing to a theme • Understanding natural and synthetic fibres	
Year 8	Design Technology • Introduction to CAD/CAM • Introduction to Polymers & manufactured boards • Environmental impact of using Polymers		Food • Multicultural Foods • Meat safety • Starch investigation		Textiles • Multicutural project • Working to a design brief • Intorudciton to dyes and resist methods • Learn how to embellish • Develop hand sewing skills for the future	
Year 9	Design Technology • Introduction to electronics • Forming, shaping timbers, polymers and metals • Environmental impact of using recycled and sustainable materials		Food • Functional & Chemical Properties of ingredients • Pastry & Fats investigation • Understand the different types of cooking Methods		Textiles • Independent research • Understand different print methods • Learn how to sculpt in 3D • Enhancing machine skills	
DESIGN TECHNOLOGY						
	Term 1 & 2		Term 3 & 4		Term 5	Term 6
Year 10	Polymers • Extracting materials • Materials & properties		Timbers • Extracting materials • Materials & properties		Metals • Extraction materials • Materials and properties	NEA: Research

	• Environmental impact • Processes • CAD/CAM – 2D design & Google sketch up • Manufactured boards • Industry • Manufacturing aids • Quality control in making		• Environmental impact • Processes • Joining techniques • Industry terms • Smart/Modern materials		• Environmental impact • Scales of production • Energy	
Year 11	NEA: Design Brief Design Specification Design & Development	NEA: Modelling Final design	NEA: Making	NEA: Making Testing & evaluation	Exam practice	

FOOD PREPARATION & NUTRITION					
	Term 1 & 2	Term 3 & 4	Term 5	Term 6	
Year 10	• Macronutrients • micronutrients • healthy eating guidelines • basic science • Knife skills	• Special dietary needs • health conditions • changing properties of food • Deboning whole chickens	• Food safety • food choice • Presentation techniques • Filleting fish • international cuisines, and food provenance.	• How to upskill dishes • Food production	NEA Practice

Year 11	NEA Task 1: Food Investigation (15% / 30 marks) A scientific investigation into the functional and chemical properties of ingredients.	NEA Task 2: Food Preparation Assessment (35% / 70 marks) Planning, preparing, and cooking a three-dish menu based on a specific nutritional or cultural brief.	NEA Task 2	Theory revision and exam preparation (50% of the GCSE)	Exam practice	Exam practice
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TEXTILES						
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Surface design • Workshops in sample making • Pattern making skills	Construction challenge • Learn how to construct fabrics from a 2D into a 3D format	Fabric manipulation • Understanding how fabrics can be altered	Natural forms 3D sculpture • Develop pattern making • Fashion Illustration	60% Personal Investigation (AQA) AO1 Develop (research)	AO2 Refine (explore ideas)
Year 11	AO2 Refine (explore ideas) AO3 Record (Development of ideas and sample making)	AO4 Present (Making and evaluating the product) Submitted for internal marking	40% Exam – brief given from the exam board AO1 Develop (research) AO2 Refine (explore ideas)	AO3 Record (Development of ideas and sample making)	AO4 Present (Making and evaluating the product) Submitted for internal marking	

CHILD DEVELOPMENT

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	RO58 L01 Equipment & needs of a child RO57.1 - Pre-conception and Reproduction	RO58 L02 The Nursery Environment RO57.2 Antenatal Care & preparation for birth	RO58 LO3 Feeding RO57.3 Post Natal Care	RO58 L04 Meal Planning & practical RO57.4 Childhood illnesses and a Childs safe environment	Hand in RO58 for marking and moderation	RO59 L01 Introduction PIS Development Observation Methods Observation of T/C
Year 11	RO59 L01- Observation of T/C Write ups Conclusion	RO59 L02-Play Module Introduction Types of play Stages of play	RO59 L02-Play Module Activity plan Needs of child Resources	RO59 L02-Play Module Evaluation Peer assessment Conclusion	Exam Practise	Exam Practise

Awarding and specification information for KS4