

Melksham Oak Community School: Year 10 Curriculum Overview 2022-23 v1

SUBJECT/ QUALIFICATION	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6 (Includes mock exams – subject to confirmation)
Art (GCSE)	Media Experiment: <ul style="list-style-type: none"> Water Colours Oil Pastels Soft Pastels Charcoal Acrylic 	Research boards: select imagery for chosen coursework theme and artists to inspire Artist transposition 1: to extend media application and skill	Artist transposition 2: to extend media skills further and incorporate a 'concept' into the project	Initial ideas: making initial links with selected artists and coursework theme Observation 1: observational study of a key aspect of the project to be included in the final composition	Response 1: reproducing this image in the 'style of' one of the selected artists Observation 2: a study of the second key image	Photography: research imagery to extend project Response 2: second observation or photographic image in the 'style of' the second selected artists
Biology (GCSE)	Recap key areas of Cell Biology from end of Year 9 <ul style="list-style-type: none"> Organisation Ecology 	<ul style="list-style-type: none"> Organisation Ecology 	<ul style="list-style-type: none"> Organisation Ecology 	<ul style="list-style-type: none"> Bioenergetics Ecology 	<ul style="list-style-type: none"> Infection and response Ecology 	<ul style="list-style-type: none"> Infection and response Homeostasis and response
Business Studies (GCSE)	Enterprise and entrepreneurship: <ul style="list-style-type: none"> The dynamic nature of business Risk and reward The role of business enterprise 	Spotting a business opportunity: <ul style="list-style-type: none"> Customer needs Market research Market segmentation The competitive business environment 	Putting a business idea into practice: <ul style="list-style-type: none"> Business aims and objectives Business revenues, costs and profit Cash and cash flow Sources of business finance 	Making the business effective : <ul style="list-style-type: none"> The options for start-up and small businesses Business location The marketing mix Business plans 	Understanding external influences: <ul style="list-style-type: none"> Business stakeholders Technology and business Legislation and business The economy External Influences 	<ul style="list-style-type: none"> Work experience task Revision and mock on theme 1 content
Chemistry (GCSE)	<ul style="list-style-type: none"> Using the Earth's resources Chemistry of the atmosphere 	<ul style="list-style-type: none"> Using the Earth's resources Atomic structure Chemistry of the atmosphere 	<ul style="list-style-type: none"> Atomic structure Chemical changes Chemistry of the atmosphere 	<ul style="list-style-type: none"> Chemical changes Chemistry of the atmosphere 	<ul style="list-style-type: none"> Bonding, structure and matter Chemistry of the atmosphere 	<ul style="list-style-type: none"> Energy Changes Rates and extent of chemical change
Child Development (Cambridge National Award)	Unit R057: <ul style="list-style-type: none"> 1: Pre-conception health & reproduction 2: Childhood illnesses and a safe environment Unit R058: <ul style="list-style-type: none"> 1: Creating a safe environment in a childcare setting 2: Choosing suitable equipment for a child care setting 		Unit R057: <ul style="list-style-type: none"> 2: Antenatal care & preparation for birth Unit R058: <ul style="list-style-type: none"> 3: Nutritional needs to children from birth to five years 		Unit R057: <ul style="list-style-type: none"> 3: Postnatal check, postnatal care & conditions for development 	Unit R059: <ul style="list-style-type: none"> 1: Physical intellectual and social development from one to five years

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Combined Science (GCSE)	Recap key areas of Cell Biology from end of Year 9: <ul style="list-style-type: none"> • Organisation • Using Earth's resources • Chemistry of the atmosphere • Recap electricity • Recap particle model of matter 	<ul style="list-style-type: none"> • Organisation • Chemistry of the atmosphere • Atomic structure • Particle model of matter • Energy 	<ul style="list-style-type: none"> • Organisation • Chemical changes • Energy • Atomic structure and radiation 	<ul style="list-style-type: none"> • Infection and response • Chemical changes • Bonding, structure and matter • Atomic structure and radiation • Forces 	<ul style="list-style-type: none"> • Bioenergetics • Bonding, structure and matter • Energy changes • Rate and extent of chemical change • Forces 	<ul style="list-style-type: none"> • Bioenergetics • Homeostasis and response • Rates and extent of chemical change • Quantitative chemistry introduction • Forces
Computer Science (GCSE)	Number systems and data representation revisited	Boolean logic, logic gates and circuitry	CPU, primary and secondary memory	Python Programming-constructs	Python Programming-data structures, sorting and searching.	Python Programming-subroutines and file handling.
Creative and Digital Media (BTEC)	Component 1: Exploring Media products The relationships between media products, their purpose and specific audiences	Component 1: Exploring Media products E.g. <ul style="list-style-type: none"> • The narrative of the product • The representation of people, places, issues and events • How different audiences may interpret the product. 	Software and practical - preparation: E.g. Developing skills in: <ul style="list-style-type: none"> • Photoshop • Premier • Aftereffects • Google sites. 	Component 2: Developing Digital Media production skills E.g. Developing skills in one or more of the media sectors of: <ul style="list-style-type: none"> • audio/moving image • publishing • interactive media. 	Component 2: Developing Digital Media production skills E.g. Reimaging an existing media product.	Component 2: Developing Digital Media production skills E.g. <ul style="list-style-type: none"> • Review own progress and development of skills and practices. • Provide a report that assesses the finished work and the processes used.
Design and Technology (GCSE)	Core principles: <ul style="list-style-type: none"> • Materials • Polymers, timbers and metals Designing and making principles: <ul style="list-style-type: none"> • Design communication Specialist technical principles: <ul style="list-style-type: none"> • Sources and origins • Specialist techniques and processes • Manufacturing aids 	Core principles: <ul style="list-style-type: none"> • Materials • Polymers, timbers and metals Specialist technical principles: <ul style="list-style-type: none"> • Specialist techniques and processes 	Core principles: <ul style="list-style-type: none"> • Developments in new materials Designing and making principles: <ul style="list-style-type: none"> • The work of others • Design strategies 	Core principles: <ul style="list-style-type: none"> • Energy • Mechanical devices Specialist technical principles: <ul style="list-style-type: none"> • Forces and stresses • Surface treatments and finishes 	Specialist Technical principles: <ul style="list-style-type: none"> • Ecological and social footprint • 6 R's • Scales of production • Seasoning and conversion • Deforestation 	Non-examined assessment: <ul style="list-style-type: none"> • Identifying and investigating design possibilities Designing and making principles: <ul style="list-style-type: none"> • Types of research • The work of others Specialist technical principles: <ul style="list-style-type: none"> • Key factors (EMSC) • Human factors
Drama (GCSE)	Approaches to texts: 'Antigone': <ul style="list-style-type: none"> • Conflict • Time periods and setting • Understanding characters • Performing roles 		Live theatre review: <ul style="list-style-type: none"> • Set • Costume • Movement • Voice • Communicating meaning 	The role of the designer and the director: <ul style="list-style-type: none"> • Mood and meaning • SCH factors and metaphor • Naturalism vs Abstract 	Devising plays; working from stimulus: <ul style="list-style-type: none"> • Explorative strategies • Developing narratives • Working with meaning • Creative portfolio 	

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English is comprised of two GCSEs: <ul style="list-style-type: none"> English Language English Literature 	Literature: <ul style="list-style-type: none"> 19th Century Novel Language: <ul style="list-style-type: none"> Paper 1 Reading Skills 	Literature: <ul style="list-style-type: none"> 19th Century Novel Language: <ul style="list-style-type: none"> Paper 1 Writing Skills 	Literature: <ul style="list-style-type: none"> Poetry Analysis Language: <ul style="list-style-type: none"> Paper 2 Reading Skills 	Literature: <ul style="list-style-type: none"> Poetry Analysis Language: <ul style="list-style-type: none"> Paper 2 Writing Skills 	Literature: <ul style="list-style-type: none"> Shakespeare Studies Language: <ul style="list-style-type: none"> Writing skills 	Language: <ul style="list-style-type: none"> Shakespeare Studies Language: <ul style="list-style-type: none"> Writing skills 	
Food Preparation and Nutrition (GCSE)	Food Nutrition & Health: <ul style="list-style-type: none"> Developing knife skills Protein theory Carbohydrate theory Fat theory Vitamins and minerals Eatwell guide Cooking dishes to for nutrient content 	Food Choice: <ul style="list-style-type: none"> Retrieval on Nutrition Chicken portioning Reducing waste Food around the world Sensory testing Labelling Reasons for choice 	Food Safety: <ul style="list-style-type: none"> Microorganisms Food Spoilage Seasonality Fish filleting Food safety How we get food 	Food Provenance: <ul style="list-style-type: none"> Environmental issues Technological developments Fairtrade Types of Pastry Primary and secondary processing 	Food Science: <ul style="list-style-type: none"> NEA1 practice Planning, conducting and evaluating the science behind cooking 	Preparation for NEA 2: <ul style="list-style-type: none"> NEA2 practice Planning, conducting and evaluating a food project. Heat transfer Technological developments 	
Geography (GCSE)	Living World: <ul style="list-style-type: none"> Ecosystems including UK example Tropical rainforests Cold environments 		Economic World: <ul style="list-style-type: none"> Global variations in economic development Impact of rapid economic development Economic changes in the UK 		Resource Management: <ul style="list-style-type: none"> Food, water and energy in the UK. Global energy resources Renewable and non-renewable energies. 		Physical Landscapes: <ul style="list-style-type: none"> UK relief Rivers processes and landforms. Coastal processes and landforms.
History (GCSE)	Paper 1: Medicine	Paper 1: Medicine	Paper 1: WW1 Medicine	Paper 3: US Civil Rights	Paper 3: US Civil Rights and Vietnam War	Paper 3: Vietnam War	
Maths (GCSE)	Shape: <ul style="list-style-type: none"> Investigating properties of shape Number: <ul style="list-style-type: none"> Calculating Algebra: <ul style="list-style-type: none"> Solving equations and inequalities I 	Shape: <ul style="list-style-type: none"> Mathematical movement I Algebra: <ul style="list-style-type: none"> Algebraic proficiency-tinkering Ratio and Proportion: <ul style="list-style-type: none"> Proportional reasoning 	Algebra: <ul style="list-style-type: none"> Pattern Sniffing Algebra: <ul style="list-style-type: none"> Solving equations and inequalities II Shape: <ul style="list-style-type: none"> Conjecturing 	Algebra: <ul style="list-style-type: none"> Algebraic proficiency-visualising I Number: <ul style="list-style-type: none"> Exploring FDP 	Algebra: <ul style="list-style-type: none"> Solving equations and inequalities III 	Data: <ul style="list-style-type: none"> Analysing statistics Algebra: <ul style="list-style-type: none"> Algebraic proficiency-visualising II Shape: <ul style="list-style-type: none"> Mathematical movement II 	
Modern Foreign Languages: French and Spanish (GCSE)	<ul style="list-style-type: none"> Module 1: Family and Friends Module 2: Technology 	<ul style="list-style-type: none"> Module 3: Leisure Module 4: Festivals 	<ul style="list-style-type: none"> Module 5: Home, town, region Module 6: Charity and volunteering 	<ul style="list-style-type: none"> Module 5 and 6: Revision and assessments. End of year revision and speaking lessons 	<ul style="list-style-type: none"> End of year assessments and speaking revision. Module 7: Global issues. 	<ul style="list-style-type: none"> Module 7: Global issues – Assessments Module 1: Family and Friends – future plans and marriage 	

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Music (BTEC)	L2 Unit 1 : The Music Industry (External assessment) Students will: <ul style="list-style-type: none"> • Study different types of organisations that make up the music industry; • Study job roles in the music industry; • Respond to a given brief and scenario 			L2 Unit 7 : Introducing Music Sequencing (Internal assessment) Students will: <ul style="list-style-type: none"> • Study and explore music sequencing techniques; • Study and use music sequencing software to create music 		
Performing Arts (BTEC)	Skills development: E.g. choreographic devices, styles of dance <ul style="list-style-type: none"> • Component 1: Billy Elliot exploring meaning and creative decisions • Developing repertoire to understand skills 		<ul style="list-style-type: none"> • Component 2: Repertoire development • Component 1: Understanding the connective roles in performing arts. 	<ul style="list-style-type: none"> • Component 3: Preparation for the brief • Developing skills to unlock stimulus 	Component 2: Repertoire development (final performance)	
Physics (GCSE)	<ul style="list-style-type: none"> • Recap electricity • Recap particle model of matter • Energy 	<ul style="list-style-type: none"> • Particle model of matter • Atomic structure and radiation • Energy 	<ul style="list-style-type: none"> • Atomic structure and radiation • Forces • Energy 	<ul style="list-style-type: none"> • Forces • Energy 	<ul style="list-style-type: none"> • Forces • Energy 	<ul style="list-style-type: none"> • Waves
Religious Studies (GCSE)	Christian Beliefs: <ul style="list-style-type: none"> • Nature of God • Trinity and Oneness of God • Jesus as son of God: Incarnation • Crucifixion • Resurrection/ascension • Resurrection and life after death • Sin and salvation/role of Jesus in salvation • Afterlife and Judgement • Heaven and hell 	Theme B: Life Issues part 2: <ul style="list-style-type: none"> • Abortion • Euthanasia Theme D: Religion, Peace and Conflict <ul style="list-style-type: none"> • Violent protest and terrorism • Reasons for war • Nuclear war and WMDs • Holy War • Just War 	Theme D: Religion, Peace and Conflict: <ul style="list-style-type: none"> • Pacifism and peace-making • Victims of war Buddhist Beliefs <ul style="list-style-type: none"> • Life of Buddha • Birth/life of luxury • 4 sights • Ascetic life • Enlightenment • Dhamma • Dependent arising • Dukkha 	Buddhist Beliefs: <ul style="list-style-type: none"> • Anicca • Anatta • 4 Noble truths • Theravada and Mahayana • Arhat and bodhisattvas Buddhist Practice: <ul style="list-style-type: none"> • 5 Precepts • 6 Perfections 	Theme E: Religion, Crime and Punishment: <ul style="list-style-type: none"> • Good and evil • Causes of crime • Religious attitudes to law breakers and to types of crime • Aims of punishment • Forgiveness • Attitudes to suffering • Prison • Community service • Corporal punishment • Capital punishment 	Buddhist Practices: <ul style="list-style-type: none"> • Karma and rebirth • Karuna and metta • Places of worship- temples • Places of worship – monasteries and monks • How Buddhists worship • Meditation types • Visualisations

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Sports Studies (Cambridge National Award)	Sport and the media: <ul style="list-style-type: none"> The different sources of media that cover sport Performance and leadership in sports activities: <ul style="list-style-type: none"> Key components of performance 	Sport and the media: <ul style="list-style-type: none"> The different sources of media that cover sport Performance and leadership in sports activities: <ul style="list-style-type: none"> Key components of performance 	Sport and the media: <ul style="list-style-type: none"> Positive effects of media in sport Performance and leadership in sports activities: <ul style="list-style-type: none"> Key components of performance 	Sport and the media: <ul style="list-style-type: none"> Positive effects of media in sport Performance and leadership in sports activities: <ul style="list-style-type: none"> Key components of performance 	Sport and the media: <ul style="list-style-type: none"> Negative effects of media in sport Performance and leadership in sports activities: <ul style="list-style-type: none"> Key components of performance 	Sport and the media: <ul style="list-style-type: none"> Negative effects of media in sport Performance and leadership in sports activities: <ul style="list-style-type: none"> Key components of performance
Textiles (GCSE)	Blood-bag project: Construction Workshops <ul style="list-style-type: none"> 3D Construction Blood bag Bag out Plastic fusion Embellishments 	Natural forms 3D sculpture: <ul style="list-style-type: none"> Natural patterns and effects research Paints and dyes Critical analysis Sublimation printing Making a 3D mini prototype Construct a free-standing natural form 		Printing processes: (fruit and veg project): <ul style="list-style-type: none"> Lino Mono Collagraph Sublimation Dry point etching Critical Analysis	Coursework starts: <ul style="list-style-type: none"> Research Personal Investigation Project titles given out to students Fashion Museum Visit 	