

Year 9	Term1 – Bookend (Theme of Fairy Tales)/ Tealight holder	Term 2 – Windchime – (Theme of Weather)	Term 4 – marble run Has to include 4 different mechanisms	Term 4 – Promotional item for Easter market stall – (Theme of Easter)	Term 5 – solar lighting – (Theme of Sustainability)	Term 6 – tie died t- shirt – (Theme of Festivals)
Community link		Quarry		Frome Ind. Market	Hinckley point	
	Core Skills 1 – 3.1.6.1 Timber and Board 3.1.6.2 material properties 3.2.1 Selection of materials	Core Skills 2 – 3.1.6.1 Metal based 3.2.3 Ecological and social footprint	Core skills 3 – 3.1.6.1 Paper and Board 3.1.5.Mechanical devices 3.2.2 Forces and stresses	Core skills 3 – 3.1.6.1 Polymers 3.1.1 New and emerging technologies	Core skills 5 – 3.1.4 Systems approach 3.1.2 Energy Generation and storage	Core skills 6 – 3.1.3 Developments in new materials 3.1.6.1 Textiles
Literacy/ numeracy	Differentiated work packs according to their target range Maths exam style questions linked into the core skills Technical Vocab support sheets Focused reading and comprehension tasks					
Assessments	Core Skills 1 TEST – Timber and Board Practical assessment against NEA grading Technical vocab assessment – spelling and understanding Exam question homeworks	Core Skills 2 TEST – Metals and Ecological and social footprint Practical assessment against NEA grading Technical vocab assessment – spelling and understanding Exam question homeworks	Core Skills 3 TEST – paper and board/ mechanical devices and forces Practical assessment against NEA grading Technical vocab assessment – spelling and understanding Exam question homeworks	Core Skills 4 TEST - Polymers/ New and emerging technologies Practical assessment against NEA grading Technical vocab assessment – spelling and understanding Exam question homeworks	Core Skills 5 TEST – Energy Generation and storage and Systems Practical assessment against NEA grading Technical vocab assessment – spelling and understanding Exam question homeworks	Mock Exam to include Core Skills 6 TEST – development of new materials/ Textiles and elements of Core Skills 1-5 and Tech Vocab Assessment Practical assessment against NEA grading Exam question homeworks

Year 10	Term1/2/3 – Making an adjustable Lighting project Using specialist materials – must include two different: <ul style="list-style-type: none"> • Stock forms • joining methods • manufacturing processes • and an appropriate finish 			Term 4/5 – Contextual challenge : encouraging children to be healthy		Term 6 – NEA
Community link	Rotary Club Keyford Engineering Batsford Timber			Oakfield middle Selwood middle		
	Practice NEA – SECTION C/D Specialist Technical Principles 3.2.4 Sources and Origins 3.2.5 Using and working with materials 3.2.6 Stock forms, types and sizes 3.2.8 Specialist techniques and processes 3.2.9 Surface treatments and finishes	Practice NEA – SECTION E Specialist Technical Principles 3.3.7 Selection of materials and components 3.3.8 Tolerances 3.3.9 Material management 3.3.10 Specialist tools and equipment 3.3.11 Specialist techniques and processes	Practice NEA – SECTION F Specialist Technical Principles 3.3.6 Prototype Development	Practice NEA – SECTION A/B Designing and making Principles 3.3.1 – Investigation, primary and secondary data 3.3.2 Environmental, social and economic challenge 3.3.3 The work of others	Practice NEA – SECTION A/B Designing and making Principles 3.3.4 Design Strategies 3.3.5 Communication of design ideas 3.3.6 Prototype Development	NEA
Literacy/ numeracy	Literacy templates Scaffolding for Technical vocab glossary Maths exam style questions for homework linked to current project	Key words glossary Cutting list terminology Technical vocab of specialist tools and equip	Templates / exemplar material Literacy scaffolds for evaluations Individual support classes	Templates / exemplar material Literacy scaffolds for analysis/ design brief/ specifications Individual support classes	Templates / exemplar material Literacy scaffolds for annotation Individual support classes	None allowed
Assessment	Mock exam style test focusing on sources and origins of specialist material area/ stock forms/ types and sizes/ specialist techniques and surface treatments and finishes Exam question homeworks	NEA prototype assessed against the NEA grading criteria Exam question homeworks	2HR MOCK EXAM – Using a past exam paper focusing on all the knowledge and skills taught from Year 9 to present day Exam question homeworks	Exam question homeworks	Exam question homeworks	SECTION A DEADLINE 26 TH JUNE SECTION B DEADLINE – 4 TH JULY SECTION C DEADLINE – 18 TH JULY Exam question homeworks

Year 11	Term 1/2/3 - NEA			Term 4/5 - Revision		
Community Link	Personalised to project					
	NEA – individual projects	NEA – individual projects	NEA – individual projects	Revision SPECIALIST TECHNICAL PRINCIPLES	Revision CORE TECHNICAL PRINCIPLES	
Literacy/ numeracy	None allowed	None allowed	None allowed	Example exam exemplar answers Literacy scaffolds for answering questions Technical vocab test Maths exam style question practice	Example exam exemplar answers Literacy scaffolds for answering questions Technical vocab test Maths exam style question practice	
Assessment	SECTION D DEADLINE – 15TH OCT Exam question homeworks	MOCK EXAM – based on all knowledge and skill taught from year 9 Practice paper Exam question homeworks	SECTION E DEADLINE – 1ST FEB Exam question homeworks	SECTION F DEADLINE – 22ND FEB Exam question homeworks	Exam question homeworks	