

Stone Hill School

Curriculum Plan 2020/21

Design Technology Year 11

Intent:

Pupils are given an open brief so they can choose their own project.
 They choose a client, write a brief and design a solution to solve the need.
 Every project is unique and staff work with pupils to help them solve their own problems.
 All pupils will produce a product to fulfil a need
 Most pupils will combine materials to produce an aesthetically pleasing outcome
 Some pupils will show a level of skill and planning to produce a complex and well finished product

Term	Week/s	Topic/Theme <i>Key vocabulary including Tier 3 subject specific words</i>	Learning Outcomes Knowledge and Skills To know, to use, to apply...	Links to: Literacy, Numeracy, SMSC, Gatsby Benchmarks
Major Project	1	Choosing a project Vocabulary: Problem, solution, feasible, suitable.	Brainstorm – client’s likes and needs	SMSC: considering other people’s needs
Open Brief	2	Research Vocabulary: relevant, selective, combine.	Successful and relevant research Giving opinions in group discussion	Literacy: Research / comprehend
	3-4	Idea generation Vocabulary : achievable, scale, components, elevation, working drawing.	Producing a workable idea Producing an original, workable idea	SMSC: Sharing ideas
	5-6	Development Vocabulary: planning, cutting list, materials, fittings.	Production of a card template or model Ordering materials (cutting list)	Numeracy: Visualisation / estimate length
	7-15	Project – Own Brief Vocabulary: test piece, depth stop, tolerance, primer.	Accurate marking out using correct tools Selecting, and using the correct tools Working to a tolerance Assembling parts accurately Applying a quality finish	Numeracy: measuring to tolerances Gatsby Benchmark 4: Linking curriculum learning to careers
	16-18	Evaluation Vocabulary: Constructive criticism, feedback, user group, discussion.	User trials Giving and accepting feedback	Literacy: Take notes / summarise Literacy: Take part in discussion

Intended impact:

Pupils will learn how to realize an idea and problem solve by designing, planning, acquiring materials and using appropriate construction methods.
 More able pupils will manage their own projects, develop their initial design, order their materials and plan their production method.
 This process should prepare pupils for tackling their own DIY projects when they leave school.