

Stone Hill School
Curriculum Plan 2019/20
DT Year 8

Intent:
All - Will consider the needs of other people when designing a product.
Most - Will produce own ideas and develop manual skills when using hand tools.
Some - Will produce good designs, work effectively with hand tools and machines and show some independence in workshop.

Term	Week/s	Topic/Theme <i>Steam</i>	Learning Outcomes Knowledge and Skills To know, to use, to apply...	Literacy Link Numeracy Link SMSC Link
Half Term 1 Desk Tidy	1-2	Brief / Research / Design	Designing for a client Generation of multiple ideas Drawing to scale 1:1	Literacy – Internet research Literacy – Writing a brief
	3-4	Marking out STEAM - Maths	Mark out work accurately in cm Mark out work accurately in mm	Numeracy – mm / cm / using a ruler Numeracy – diameter / radius
	5-8	Re-cap Health & Safety Project - construction	Use a range of hand tools safely Use the pillar drill effectively Use the belt sander independently Smooth work using abrasive paper	SMSC – Personal safety / PPE Numeracy – addition / subtraction of materials / wastage
Half Term 2 Desk Tidy		Project - assembly Evaluation	Joining – glue, screw, bolt, assemble Finishing – Paint, Polish, Perfection Evaluation of outcome Does it hold the required items ?	Literacy – Evaluation / User survey
Half Term 3 Electronic Dice		Project – Electronic dice Electronics STEAM – Maths STEAM – Science / Electronics STEAM – Science / Thermoplastics	Mark out work accurately in mm Can populate board with components Can solder independently Can use fault finding flow chart Can smooth / polish net Can bend into shape using heater Can assemble parts together Can make base fit (push-fit)	

Intended impact: Pupils will build on the basics learnt in Year 7 and start to develop practical skills, knowledge and experience to allow them to be more independent when they reach Year 9. The Electronic dice project is an introduction to electronics and soldering in preparation for the MP3 Amplifier in Year 10.

Note: Each Year 8 class will get three half terms in Technology and three half terms in Food Technology.