

Stone Hill School

Curriculum Plan 2020/20

Design Technology Year 9

Intent:
 All pupils will produce a product to encourage wildlife into their garden.
 Most pupils will successfully design and make a product to encourage wildlife into their garden.
 Some pupils will independently design and make a product with some consideration of its environmental impact.

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
Half Term 1 ECO Project	1	Research Vocabulary: Habitat, impact, environment.	Understand the impact of human activity on the environment and wildlife.	SMSC: Pollution / deforestation / habitats Literacy: Research / Comprehend
	2 - 3	Design – ECO Project Vocabulary: research, dimensions, materials, joining.	Existing products research Design of own idea Development of own idea Problem solving independently Selection of sustainable resources Appropriate dimensions selected	SMSC: Sustainability Numeracy: Addition / Subtraction using pictorial methods Dimensions Literacy: Present information and opinions / summarise
	4-7	Construction - ECO project 'Nurture our Nature' Vocabulary: Joint, square, quality control.	Accurate marking out using ruler Independent production of outcome	Numeracy: Visualisation / Construct 3d shapes Literacy: Make marks on material / take part in discussion
Half Term 2	8-10	Finishing Vocabulary: Heat press, graphics, water-based.	Graphics designed on CorelDraw with help Graphics designed independently Use of environmentally friendly woodstain Independent use of heat press	SMSC: Environmentally friendly finishes Numeracy: Measure time / read a digital clock / reflect shapes
	11 - 12	Evaluation Vocabulary: testing, questionnaire, suggestions.	Identify faults with own outcome Suggest how it could be improved	Literacy: Ask questions / listen to an opinion
Half Term 3 Kitchen Utensils	13-18	Recycling: Re-use of wood to make useful products Vocabulary: Disassembly, fittings, scrap, salvage.	Materials science - Properties of woods Using templates / stencils	SMSC: Recycling / Carbon storage Gatsby Benchmark 4: Linking curriculum learning to careers

Impact: At the end of Year 9, pupils will know how to conduct their own ECO project in Design and Technology. They will know why to consider the environment, animals and other people and to be as "Green" as possible. They will know how to design a product to attract wildlife into their garden. Pupils will understand designing for a target market.

Note: Each Year 9 class will get three half terms in Technology and three half terms in Food Technology.