



**Design & Technology Journey** At Moseley Park School in Design & Technology students design and make high-quality prototypes, across a wide range of material areas. The curriculum is built upon the skills and knowledge found in the creative, technical and practical expertise required to manufacture a range of innovative products - that ultimately meet the users needs. Unit 1: New and Unit 3: Materials and Unit 5: Specialist emerging technologies their working properties principles materials areas Unit 4: Common specialist Unit 6: Designing Unit 2: Energy, materials, technical principles principles systems and devices Unit 1 Recap Unit 4 Recap Unit 7 Recap Unit 2 Recap Unit 5 Recap RECALL Revising for REGALL AQA -GCSE **YEAR YEAR** RECALL NEA — Contextual Challenge Exam Unit 7 Recap AQA -AQA -Revise Analysing/ Unit 3 Recap evaluating Realsiing the RECALL Identifying Scale of and production Developing Involve others in AQA investigation idea testing product RECALL **Complete Contextual** NEA Tolerance Challenge RECALL Sustainability Design Brief AQA -AQA -Generating Energy **REVISE** environment generation/storage Specification AQA 💆 Scale of production Surface Energy Production People culture & finishes Composite generation/storage Marking out techniques society materials Design strategies RECALL **NEA Contextual Challenge** Generating idea Materials & their properties Unit 3: Physical Self-Awareness Manufacturing Application of the Apply mathematic to properties of Design strategies materials help[ design product materials The use of 3D Product schedule modelling Materials joining Realising Modify to The 6R's and Specification techniques & ideas Sustainability range of accuracy performance requirements AQA -ACCESS FM Photo Practical skills Trinket assessments Skills Project / NEA Practice **Project Project** transferable skills? career Joining methods Components Ergonomics and Product Apply mathematical to Mathematical Unit 3: anthropometrics development help and make product modelling YEAR Investigating and analyse new and Lifestyle factors emerging Circuits Model of Unit 5 Polymers and consumers technologies ideas to test & Textiles choice Electronic Demonstrating systems concise skills Graphics Logo Light Logo Light **FPT FPT FPT FPT Decision Project** YEAR **Project** Ratio & scaling **Making** Use 2D Design to Reflection of Generate Unit 2: what is needed produce lid design Mark out materials creative ideas Mechanical in Year 9. Motions Systems Joining techniques including Detail RECALL Use card template Detail design heat processes and Adhesives Design brief of lid design specification Investigate and analyse products Clients Pencil box needs Bag Tag YEAR Design & **Project Technology Project** Health & Models of ideas

