Curriculum Map	Subject	Design Technology	Year	9

Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Funky Frame	Introduction to electrical circuits, 2D design, and craftsmanship.	- Elementary theory of electronic components. - 2D design skills. - Circuit building. - Line bending. - Laser cutting. - Quality control methods. - Assembly skills.	Construction of Funky Frame	- Emphasis on workshop safety and responsible tool use. - Fosters problem-solving and critical thinking. - Encourages teamwork and collaboration. - Promotes appreciation for craftsmanship. - Encourages evaluation and reflection on the design process.	- Introduction to electrical engineering. - Exposure to design software (2D design). - Insights into craftsmanship and quality control. - Potential careers in electrical engineering, design, or craftsmanship.	- Integration of electrical concepts. - Utilises design principles in 2D design software. - Application of craftsmanship skills. - Promotes evaluation and reflection skills. - Encourages interdisciplinary connections with English literature (e.g., exploring themes related to light and technology in literature).
Passive Amplifier	Mini NEA challenge – Passive Amplifier. Design Problem: Manufacture a sustainable music speaker, which requires no electricity. Investigate problems and what needs to be found out.	Marking out material discussed and demonstrated. Production aids discussed where relevant and examples shown according to material area. Use of production aids where appropriate. Use a range of appropriate tools and equipment to shape, fabricate construct and assemble.	Construction of passive ammplifier	Democracy - Collaborative decision-making, Environmental Awareness - Understanding waste management, Mutual Respect - Collaborative work, Tolerance for Different Beliefs - Environmental responsibility	Industrial Designer, Environmental Engineer, Sustainability Specialist,	Art - Perspective drawing techniques, Design Technology - Material properties, ICT - CAD software proficiency