

Curriculum Map 2023-24

Year 9

Half term	Unit title with hyperlink to scheme of work	Unit summary	Skills & content covered (core)	Skills & content revisited	Summary of formative marking, feedback and student response	Summative assessment schedule, including assessment criteria
Autumn 1	Timbers- Book Ends	design and make a bookend using timbers and manufactured board, sketching and 2 point perspective	9. Natural and manufactured timber 7. The functions of mechanical devices,	Material Properties	feedback sheets on key elements of topic	
Autumn 2	Metals-Box	manufacture sheet metal box, grid and isometric drawing	10. Ferrous and nonferrous metals	Technical drawing onto grids	feedback sheets on key elements of topic	
Spring 1	Plastics - Lamp	CAD design using 2D design and orthographic projection, making a acrylic lamp and soldering electronic components	11. Thermoforming and thermosetting polymers 5. electronic systems 6. programmable components	Use of CAD programming	feedback sheets on key elements of topic	Assessment 1
Spring 2	Paper and Board-Packaging	Creating packaging, logo and net design, adobe illustrator	8. Paper and boards	Construction Processes	feedback sheets on key elements of topic	
Summer 1	CAD/CAM and smart materials	CAD design using SKETCHUP building design then 3D print	12. Natural, synthetic, textiles, 4. modern and smart materials	printing techniques	feedback sheets on key elements of topic	
Summer 2	Wind Turbines	Combine each material to design and make a wind turbine	1. The impact of new tech 2. new tech and design 3. Energy	Environmental Issues and Sustainability	feedback sheets on key elements of topic	Assessment 2