

SUBJECT NAME: Design Technology Curriculum plan 2022 – 2023

	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Yr7	Health and Safety Project Key Fob Project (Design Process) Learning 3D drawing Mind maps, specification, Design ideas	Key Fob Project (Practical) Working with plastic Desk Tidy (Tech Drawing) Perspective drawing	Desk Tidy (Practical) Working with wood Introduction to Computer Aided Design	Health and Safety Project Key Fob Project (Design Process) Learning 3D drawing Mind maps, specification, Design ideas	Key Fob Project (Practical) Working with plastic Desk Tidy (Tech Drawing) Perspective drawing	Desk Tidy (Practical) Working with wood Introduction to Computer Aided Design
Yr8	Unique Box Project (Design Process) Research Design ideas Using Computer Aided Design to develop design ideas Final idea and plan of making	Unique Box Project (Practical) Working with wood and standard components Learning how to cut different corner joints Developing finishing skills	(Knowledge and Understanding) Materials and Their Working Properties. Developments in New Materials. New and Emerging Technologies. Electronic and Mechanical Systems.	Unique Box Project (Design Process) Research Design ideas Using Computer Aided Design to develop design ideas Final idea and plan of making	Unique Box Project (Practical) Working with wood and standard components Learning how to cut different corner joints Developing finishing skills	(Knowledge and Understanding) Materials and Their Working Properties. Developments in New Materials. New and Emerging Technologies. Electronic and Mechanical Systems.
Yr9	Unique Box Project (Design Process) Research Design ideas Using Computer Aided Design to develop design ideas Final idea and plan of making	Unique Box Project (Practical) Working with wood and standard components Learning how to cut different corner joints Developing finishing skills	(Knowledge and Understanding) Materials and Their Working Properties. Developments in New Materials. New and Emerging Technologies. Electronic and Mechanical Systems.	Unique Box Project (Design Process) Research Design ideas Using Computer Aided Design to develop design ideas Final idea and plan of making	Unique Box Project (Practical) Working with wood and standard components Learning how to cut different corner joints Developing finishing skills	(Knowledge and Understanding) Materials and Their Working Properties. Developments in New Materials. New and Emerging Technologies. Electronic and Mechanical Systems.
Yr10	Four joint Box Project (CAD) (Practical) (Drawing Skills) New and Emerging Technologies Energy, materials, systems and devices	Artisan Showcase Project Working with aluminium Working with acrylic Working with brass Materials and their working properties	Artisan Showcase Project Lamination of plywood Advanced brazing MIG Welding Specialist technical principles Paper, card, timber and metal	Artisan Showcase Project Riveting Steel Enameling copper Designing the presentation case Specialist technical principles Polymers, textiles and electronic systems	Artisan Showcase Project Making the presentation case Designing and Making Principles	Begin GCSE Controlled Assessment Analysis of Task Product Research Client and User Profile Design Brief and Specification
Yr11	GCSE Controlled Assessment Design Ideas (Sketched) Design Ideas (CAD) Design Ideas (Models) Design Ideas (Tech Drawing)	GCSE Controlled Assessment Development of design ideas Final Design Manufacturing Specification	GCSE Controlled Assessment Creating the prototype	GCSE Controlled Assessment Evaluation	Revision	Revision