



	Year 7	Year 8	Year 9	Year 10	Year 11
Autumn 1	Health and Safety	Design Process	Working with Plastics	Controlled Assessment	Controlled Assessment
	Health and safety. Knowledge and Skill building on how to use a coping saw.	Writing a design problem and design brief.	CAD/CAM Clock project. Using 2d design and laser cutter to produce clock out of acrylic.	Investigating the market. Product analysis. Summary of research.	Making and modelling
Autumn 2	Coping saw skills	Designing	Working with Woods	Controlled Assessment	Controlled Assessment
	Applying coping saw knowledge and skills to create jig-saw puzzle project.	Designing the main case from the steady hand game.	Bird box project. Using working drawing to produce bird boxes and assemble using instructions.	Designing for the market. Designing skill with use of quality rendering. Designing using CAD. Modelling using arrange of medias.	Making and modelling
Spring 1	Designing	Making	Working with Metals	Controlled Assessment	Controlled Assessment
	Designing animal pencil holder project. Using ACCESS FM for evaluating design ideas. Creating manufacturing plan for their chosen design.	Manufacturing the case of the steady hand game with the focus of numeracy and technique language.	Coat hook project. Design and manufacture mild steel/aluminum coat hooks.	Making and modelling.	Testing and evaluation. Review and amend.
Spring 2	Making	Electronics	Sustainable Project	Controlled Assessment	Examination practice
	Manufacturing chosen animal pencil holder idea. Using specialist tools and equipment.	Understanding the importance of electronics in everyday life. CAD/CAM on producing simulated circuits on crocodile Technology software.	Sustainability project. Design and create a product that can be produced using sustainable materials.	Making and modelling.	Revision.

Summer 1	Exploring and evaluating	Applying circuit knowledge	Major Project	Controlled Assessment	Examination practice
	Focus on finishing techniques and aesthetics. Testing and Evaluation.	Assembling and applying the circuit used in the steady hand game.	MP3 Amplifier project Using CAD/CAM. Assembling circuits. Producing packaging.	Testing and evaluation.	Revision.
Summer 2	Packaging using nets	The art of CAD modelling	Major Project	Controlled Assessment	
	Understanding the importance of packaging. Creating packaging for animal pencil holder using CAD/CAM.	Producing 3D steady hand game using SolidWorks.	MP3 Amplifier project Using CAD/CAM. Assembling circuits. Producing packaging.	Review and amend.	