

KS5 Curriculum Overview (SUBJECT HERE)

Year 12/13

YEAR A – Exam (Technical Principles)

TERM 1 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Yr12 – Material Properties & performance enhancement. - Skill based projects	Material knowledge Maths, Science & Engineering	Product development Design, Architecture Moral, choices when deciding materials
TERM 2 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Material forming Redistribution + additional finishes - Skill based projects	Manufacturing skills Health & Safety Engineering & English	Furniture design Industrial design Safe & efficient work areas
TERM 3 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Modern + commercial practice Digital design Health & Safety Design for Manufacture - Skill based projects	Health & Safety Digital Skills Engineering ICT Art/Media	Engineering Careers Awareness of Health & Safety within a work area
TERM 4 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Enterprise & marketing Design communication Product design & development - Skill based projects	Technical drawing + digital design English Art ICT	Digital design careers Products contribute to lifestyle & consumer choices
TERM 5 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Protecting designs + ICT Design for Manufacturing Repair & disposal Feasibility - Start of NEA Sec. A - Investigation & Research - Sec. B - Design brief & Specification	Environmental Issues Engineering RE Law	Product Engineering How products evolve according to users/designers needs
TERM 6 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Enterprising & Marketing Modern Manufacturing Systems - Sec. C – Development of design proposal	Drawing & Communication skills Art ICT Media	Engineering Consumer rights + legislation

KS5 Curriculum Overview (SUBJECT HERE)

Year 12/13 YEAR B – Exam – Design & Make Principles

TERM 1 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Design Methods + processes Design Theory Tech & cultural changes <ul style="list-style-type: none"> - Sec. C – Continue development of design proposal 	Technical drawing Creative thinking Art History	Product development Iconic British designers
TERM 2 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Design processes Critical analysis Selecting appropriate tools, equipment & processes <ul style="list-style-type: none"> - Sec. D – Development of design proposal 	Critical thinking Practical skills Maths Art	Product testing Engineering Safe & efficient work areas
TERM 3 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Accuracy in design Responsible design Design for manufacture <ul style="list-style-type: none"> - Sec. D – Continue design prototypes 	Practical skills Health & Safety Maths RE Engineering	Engineering Furniture design Awareness of Health & Safety within a work area
TERM 4 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Exam Techniques & preparation <ul style="list-style-type: none"> - Sec. E – Analysis & evaluation 	Exam & revision skills Maths English	Architecture Industrial design How products contribute to lifestyle & consumer choice
TERM 5 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Exam Preperation <ul style="list-style-type: none"> - Maths elements of exam 	Exam & revision skills Maths English	Aeronautical engineer How products contribute to lifestyle & consumer choice
TERM 6 TOPIC/s	*Key Skills/Subject Links	*Career links & BV