



## Key Stage 4 Technology Curriculum Plan

**KS4 Curriculum Intent** - Provide all students with the knowledge and skills to participate confidently and successfully in an increasingly technological world.

### Year 10 2021-2023 LTP

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Unit covered</b>	H&S Unit 3: Materials and their working properties Workshop wood skills	Unit 5b: Timber based materials Unit 5c: Metal based materials Workshop wood skills Workshops metal skills	Unit 5d: Polymers Workshop plastic skills	Unit 7: Making principles Unit 6: Designing principles Modelling and prototyping skills	Unit 4: Common specialist technical principles Modelling and prototyping skills	NEA AO1 Part A  Identify, investigate & outline design possibilities
<b>Assessment</b>	H&S Online test Unit 3 online assessment Wk7	Wk 11 Unit 5b assessment Wk 15 Unit 5c assessment	Wk 19 Unit 5d assessment	Wk 25 Unit 7 assessment Wk 30 Unit 6 assessment	Wk 36 Unit 4 assessment	NEA folder review
<b>Interleaving</b>		Material - stock forms - finishes LCA of materials	Material - stock forms - finishes LCA of materials	CAD, 2D & 3D Material - stock forms - finishes LCA of materials	CAD	Product analysis

### Year 11 2020-22 LTP

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Unit covered</b>	AO1 Part B Producing a design brief & specification  A02 Design & make prototypes that are fit for purpose Part C: Generating design	A02 Design & make prototypes that are fit for purpose  Part D: Developing design ideas Part E: Realising design ideas	A03 Part F  Analyse & evaluate	Review and improve NEA folder  Revise content based on prerelease (mock exam based on prerelease)	Revise content based on prerelease	Revision of content Final exam
<b>Assessment</b>	NEA folder review	Mock Exam Full 2019 paper	NEA Folder review	Mock Exam	Pre-release material Qs	Pre-release material Qs
<b>Interleaving</b>	Product analysis / CAD	Prototyping / 2D CAD	Design communication / 3D CAD	Evaluation and analysis	Subject content based on prerelease	