

Yr10 (KS4) D&T	Topic Area	Knowledge/Skills that are taught	Knowledge/Skills revisited	What does good look like?	Resources/support at home
Autumn 1	Graphic communication Short NEA style project- Home for Nature AO1 Section A Identify, investigate & outline design possibilities AO1 Section B Producing a design specification	Core technical principles 1.1 New and emerging technologies 1.2 Energy generation & storage Designing & making principles 3.5 Communication of design ideas 3.4 Design strategies 3.1 Investigation, prim /sec data	This project revisits the designing, making, evaluation skills and technical knowledge covered in KS3. In this part of the project, pupils have an opportunity to build on graphic communication, designing & making skills.  Pupils start an NEA style project which builds on skills and knowledge learned in KS3. Identifying, investigating and outlining design possibilities and producing specifications.	Knowledge / understanding Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. Skills Development of skills relevant to the NEA, as covered in Section 4 of the spec.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Autumn 2	AO2 Section C Design & make prototypes that are fit for purpose – Generating Design ideas	Core technical principles 1.3 Developments in new materials 1.4 Understanding a systems approach when designing	In this part of the NEA style design & make project, pupils have an opportunity to build on graphic communication skills through use in the production, development and presentation of design ideas. Pupils also build on and develop KS3 iterative design & making skills through modelling in a range of resistant materials, using different tools, equipment and processes.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Spring 1	AO2 Section D Design & make prototypes that are fit for purpose - realising design ideas AO2 Section E Design & make prototypes that are fit for purpose – Realising design ideas	Core technical principles 1.5 Mechanical devices 1.6 Materials & their working properties	In this part of the NEA style design & make project, pupils have an opportunity to build on iterative designing & making skills through 3D modelling in a range of resistant materials, using different tools, equipment and processes.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Spring 2	AO2 Section E Design & make prototypes that are fit for purpose – Realising design ideas	Designing & making principles 3.4 Design strategies	In this part of the NEA style design & make project, pupils have an opportunity to build on iterative designing & making skills through 3D modelling in a range of resistant materials, using different tools, equipment and processes.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook

## Design & Technology KS4 Curriculum Map

				Skills Development of skills relevant to the NEA, as covered in Section 4 of the spec.	
Summer 1	AO2 Section E Design & make prototypes that are fit for purpose – Realising design ideas AO3 Section F Analyse & evaluate – Analysing & Evaluating	Designing & making principles 3.5 Communication of design ideas	In this part of the NEA style design & make project, pupils have an opportunity to build on iterative designing & making skills through 3D modelling in a range of resistant materials, using different tools, equipment and processes.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Summer 2	GCSE NEA Project AO1 Section A Identify, investigate & outline design possibilities AO1 Section B Producing a design brief specification	Designing & making principles 3.6 Prototype development	For the NEA project, pupils revisit designing, making, evaluation skills and technical knowledge covered in the last Design & Make project. Subject knowledge covered in Year 10 is revisited prior to Progress Point Assessments.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
<b>Yr11 (KS4) D&amp;T</b>	<b>Topic Area</b>	<b>Knowledge/Skills that are taught</b>	<b>Knowledge/Skills revisited</b>	<b>What does good look like?</b>	<b>Resources/support at home</b>
Autumn 1	GCSE NEA Project AO1 Section B Producing a design brief specification AO2 Section C Generate design ideas	Specialist technical skills 2.4 Sources & origins 2.5 Using & working with materials 2.6 Stock forms, types sizes	For the NEA project, pupils revisit designing, making, evaluation skills and technical knowledge covered in the last Design & Make project. Subject knowledge covered in Year 10 & 11 is revisited prior to Progress Point Assessments.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec. NEA sections are completed and when assessed match descriptors for the highest levels.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Autumn 2	GCSE NEA project AO2 Section C Generate design ideas AO2 Section D Develop design ideas	2.7 Scales of production 2.8 Specialist techniques & processes 2.9 Surface treatments & finishes	For the NEA project, pupils revisit designing, making, evaluation skills and technical knowledge covered in the last Design & Make project. Subject knowledge covered in Year 10 & 11 is revisited prior to Progress Point Assessments.	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b>	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook

## Design & Technology KS4 Curriculum Map

				Development of skills relevant to the NEA, as covered in Section 4 of the spec. NEA sections are completed and when assessed match descriptors for the highest levels.	
Spring 1	GCSE NEA project AO2 Section E Realise design ideas AO3 Section F Analyse & evaluate	Mock Exam preparation Revision 1. Section A Core technical principles 2. Specialist technical skills 3. Designing & making principles	For the NEA project, pupils revisit designing, making, evaluation skills and technical knowledge covered in the last Design & Make project. Subject knowledge covered in Year 10 & 11 is revisited prior to Progress Point Assessments: 1. Section A Core technical principles 2. Specialist technical skills 3. Designing & making principles	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec. NEA sections are completed and when assessed match descriptors for the highest levels.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Spring 2	GCSE NEA project AO3 Section F Analyse & evaluate  GCSE exam preparation	Designing & making principles 3.1 Investigation, primary & secondary data 3.2 Environmental, social & economic challenge 3.3 The work of others 3.7 Selection of materials & components 3.8 Tolerances	For the NEA project, pupils revisit designing, making, evaluation skills and technical knowledge covered in the last Design & Make project. Subject knowledge covered in Year 10 & 11 is revisited prior to Progress Point Assessments: 1. Section A Core technical principles 2. Specialist technical skills 3. Designing & making principles	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered. <b>Skills</b> Development of skills relevant to the NEA, as covered in Section 4 of the spec. NEA sections are completed and when assessed match descriptors for the highest levels.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Summer 1	GCSE exam preparation	Designing & making principles 3.9 Materials management 3.10 Specialist tools & equipment 3.11 Specialist tools & processes	Subject knowledge covered in Year 10 & 11 is revisited prior to Progress Point Assessments: 1. Section A Core technical principles 2. Specialist technical skills 3. Designing & making principles	<b>Knowledge / understanding</b> Students know key words and terms for each unit. Students are able to complete short-answer and extended response past paper questions for the unit covered.	Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook
Summer 2	Study leave				Quizlet PG online learning resources Exampro - AQA Past/sample paper questions Hodder textbook