

'Design and Technology remote learning Jan-Feb2021'

Year 7

	1		2		3		4		5		RETURN
08/1/21	11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
Unit 1: Industry & Enterprise	Unit 1: Sustainability & the Environment	Unit 1: People, Culture & Society	Unit 1: Production Techniques & systems	Unit 1: Informing Design Decisions	F.A.R Multiple choice task using Microsoft forms	Unit 3: Paper & Boards	Unit 3: Timber	Unit 3: Metals & Alloys	Unit 3: Polymers	Unit 3: Textile Based Materials	Test in school Consolidate learning

Year 8

	1		2		3		4		5		RETURN
08/1/21	11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
Unit 1: Industry & Enterprise	Unit 1: Sustainability & the Environment	Unit 1: People, Culture & Society	Unit 1: Production Techniques & systems	Unit 1: Informing Design Decisions	F.A.R Multiple choice task using Microsoft forms	Unit 3: Paper & Boards	Unit 3: Timber	Unit 3: Metals & Alloys	Unit 3: Polymers	Unit 3: Textile Based Materials	Test in school Consolidate learning

Unit 1: New and emerging technologies and Unit 3: Materials and their working properties

Looking further ahead if the lockdown were to continue longer than this plan, these are the remaining theory units that could be taught.

- Unit 2: Energy, materials, systems & devices (up to 8 lessons of work, at least 5 of them would be suitable for KS3)
- Unit 4: Common specialist technical principles (5 lessons of work)
- Unit 5A/5B/5C/5D/5E/5F: These units look at materials in greater depth which is more suited to KS4/5
- Unit 6: Designing principles (5 lessons of work)

- **Technology:** Year 9 – Continuation of Chocolate Box design

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11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
Produce a range of packaging models using nets.	Recap on Typography, logo, nets and designs. Task: Using the chocolate recipes, make at 2 different chocolates of your own choice. Opportunity to see what works well with the packaging designs and why.	Enhancing designs: Draw an isometric/orthographic view of the design.	Research the 12 packaging requirements – Why are they important.	F.A.R 10 Q&A to be prepared by EW PAGES	Using existing template created or re-create a net which includes at least 6 of the 12 packaging requirements	What is CAD What are the advantages and disadvantages of CAD?	Manufacturing spec. Present findings in a chart. Look at first 3 elements: size, materials & cost	Complete last 4: Ind. methods, sustainable energy, production methods & CADS	What tests could you do to check product meets the brief & spec? What is the next phase in the design process after testing? How does a product evolve over time? Why?	Test in school Consolidate learning Assessment based on the 3 questions discussed last lesson.

- **Hospitality and Catering – 10A / 10B**

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11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
Types of customer	Customer service	Health and safety in the work place.	Risk and control measures	F.A.R Exam questions	Personal safety and control measures	Revision on LO2 and LO3 in preparation for in school test	Revision on LO in preparation for in school test	Revision on LO2 and LO3 in preparation for in school test	Revision on LO2 and LO3 in preparation for in school test	Test in school
Exam questions (Self-assessed)	Exam questions (self-assessed)	Exam questions (self-assessed)	Exam questions (self-assessed)		Exam questions (self-assessed)					Consolidate learning
Throughout there will be interim deadlines set via class charts and email. Students will email work for checking and informal feedback										

- **Hospitality and Catering – 11A**

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11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
Training Day	Types of customer	Customer service	Health and safety in the work place.	F.A.R Exam Questions	Risk and control measures	Personal safety and control measures	Revision on LO2 and LO3	Revision on LO2 and LO3	Revision on LO2 and LO3	Test in school Consolidate learning
	Exam questions (Self-assessed)	Exam questions (self-assessed)	Exam questions self- assessed.		Exam questions (self-assessed)	Exam questions (self-assessed)				
Throughout there will be interim deadlines set via class charts and email. Students will email work for checking and informal feedback.										

- **Technology:** Year 10 NGD

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12/01/2021	15/01/2021	19/01/2021	22/01/2021	25/01/2021	29/01/2021	02/02/2021	05/02/2021	09/02/2021	12/02/2021	23/02/2021
R107 - LO3	R107 – LO3	R107 – LO2	R107 – LO2	F.A.R	R107 – LO2	R107 – LO2	R107 – LO1	R107 – LO2	R107 – LO3	R107 –
Final design development s and annotations	Final design development s and annotations (Q & A session). Work to be submitted on 19th Jan	3 RD Angle Orthographic – 2D (Border & Title block)	3 rd angle Orthographic (Product). Work to be submitted on 25th Jan	Assessment of L01a and LO1b using exam board mark criteria.	Exploded view – 3D with labelling of components	Exploded view – 3D. Annotation of components (assembly methods). Work to be submitted on 5th Feb	Improvements to L01a and LO1b. Work to be submitted on 9th Feb.	Improvements to LO2. Work to be submitted on 12th Feb.	Improvements to LO3. Work to be submitted on 23rd Feb.	Assessment, Department standardising & Moderation = Final grade
Throughout there will be interim deadlines set via class charts and email. Students will email work for checking and informal feedback.										

- **Technology:** Year 10 MDH

1		2		3		4		5		RETURN
11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
R107 - LO2	R107 – LO2	R107 – LO2	R107 – LO2	F.A.R	R107 – LO2	R107 – LO2	R107 – LO3	R107 – LO3	R107 – LO3	R107 –
CAD 2D Design Isometric drawing – 3D	Rendering an isometric drawing – 3D	3 RD Angle Orthographic – 2D	3 rd angle Orthographic Dimensions – 2D Work to be submitted on 25th Jan	Assessment and development of CAD skills using the COVID 2D Design Free software	Exploded view – 3D with labelling of components	Working drawing of a component/ profile – 2D – describe plan of making Work to be submitted on 5th Feb	Fully developed product – 2D & 3D	Labelling and annotation / Strengths and weaknesses	Improvements with justifications Work to be submitted on 23rd Feb.	Assessment, Department standardising & Moderation = Final grade

Throughout there will be interim deadlines set via class charts and email. Students will email work for checking and informal feedback.

- **Technology:** Year 11 NGD

11/01/2 021	13/01/2 021	18/01/20 21	20/01/20 21	25/01/2 021	27/01/2 021	01/02/2 021	03/02/20 21	08/02/20 21	10/02/20 21	23/02/2 021	25/02/2 021	
R107 - LO1	R107 - LO1	R107 - LO3	R107 – LO3	F.A.R	R107 – LO2	R107 – LO2	R107 – LO1	R107 – LO2	R107 – LO3	R107 –	R107 – LO2	R107 – LO2
Annotatin g Designs	Annotatin g Designs (Q & A)	Final design developm ents and annotatio ns	Final design developm ents and annotatio ns Work to be submitted on 19th Jan	Assesse ment of R108 LO1 and LO2 using exam board criteria	3 RD Angle Orthogra phic – 2D (Border & Title block)	3 rd angle Orthogra phic (Product). Work to be submitte d on 3rd Feb	Improvem ents to R108. Work to be submitted on 8th Feb.	Improvem ents to R107 LO1. Work to be submitted on 10th Feb.	Improvem ents to LO3. Work to be submitted on 23rd Feb.	Assessme nt, Departme nt standardi sing & Moderati on = Final grade	Exploded view – 3D with labelling of compone nts	Exploded view – 3D. Annotati on of compone nts (assembl y methods) .

Throughout there will be interim deadlines set via class charts and email. Students will email work for checking and informal feedback.

- **Technology:** Year 11 MDH

1		2		3		4		5		RETURN
11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
R108 – LO1a	R018 – LO1b	R108 – LO2	R108 – LO2	R108 – LO2	R108 – LO3	R108 – LO3	R108 – LO3	R108 – LO4	R108 – LO4	R108 – LO4
Specification analysis	Plan of making sheet	Risk assessment	Risk assessment Work to be submitted on 19th Jan	Appropriate PPE Assessment of LO1/LO2	Photo diary Record the process	Photo Diary Problems faced Work to be submitted on 3rd Feb	Photo diary analysis and annotation	Evaluation – written Work to be submitted on 23rd Feb.	Evaluation vs Specification	Improvements and performance = Final assessment Moderation

Throughout there will be interim deadlines set via class charts and email. Students will email work for checking and informal feedback.

- **Technology:** Year 13

1		2		3		4		5		RETURN
11/1/21	11/1/21	18/1/21	18/1/21	25/1/21	25/1/21	1/2/21	1/2/21	8/2/21	8/2/21	22/2/21
Unit 16 - BC	Unit 16 - BC	Unit 16 - BC	Unit 16 - BC	Unit 16 - BC	Unit 16 - BC	Unit 16 -BC	Unit 16 - BC	Unit 16 - BC	Unit 16 - BC	Unit 16 - BC
Experiment – CAD 2D Design	Experiment – Sketches	Experiment – CAD 2D Design	Experiment – Sketches Annotation Work submitted by 22nd Jan	Annotation and findings Feedback FAR given	Planning Gantt Log Modify	Planning Gantt Log Modify	Final design drawing – dimensions Make models	Evaluation – Performance Improve Make models	Evaluation – Performance Improve Make models = Unit finished Work submitted by the 5th Feb 2021	Assess Unit 16 Moderate Final grade given
Work is submitted weekly and feedback given on individual tasks throughout. During the week the sessions will have feedback lessons where students have the opportunity to ask questions and feedback will be given as a group.										