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Department: Technology

Blended Learning Curriculum Overview 2020-21

In the event of a local lockdown, students isolating or school closure, please outline your approach to blended learning below. DfE guidance stresses there will be a need for ongoing provision of “remote learning” which “is high quality and aligns as closely as possible with in-school provision.” Within departments, this may mean planning each unit or area of learning with an eye on how it could translate into virtual or remote practice, if necessary. For example, it might mean preparing booklets or text-based resources which could be used by students at home as well as at school. It might even mean having procedures and infrastructure in place for recording lessons, or for allowing simultaneous online access to classroom teaching.

<u>Autumn Term</u>	Curriculum Time (Periods)	In-School provision (situation dependent)	Live 'Zoom' lessons (Tier 3&4) Expectations	Pre-recorded 'Zoom' lessons (Tier 2) Expectations	Resources available?	Assessment & Feedback?
Year 7	3 Periods over 2 weeks	As per the curriculum map / AREs	Live sessions working with students through project lessons as indicated in SOW Opposite.	Pre-recorded presentations with narration and/or demos.	Presentations PPT Prezi Worksheets	Assessment and Feedback given on GCSE POD
Topic/ Unit:	10 Week Rotation Min light Project (R1) Week 1 Health and Safety Week 2 Six Things about Me (Drawing) Week 3 Six Things about Me (Making) Week 4 Input Control Output, (Electronic Components) Week 5 Batteries and LED's Week 6 Resistors Week 7 Transistors and Ohms Law Half - Term Week 1 Circuits(Parallel and Series and How to Solder Week 2 Net Development Mini Light Week 3 Test/Evaluation (R2) New Project Week 4 Week 5 Week 6 Week 7				SMH Tasks, links and worksheets	

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Year 8	3 Periods Over 2 weeks	As per the curriculum map / AREs	Live sessions working with students through project lessons as indicated in SOW Opposite.	Pre-recorded presentations with narration and demos.	<p>Presentations PPT Prezi Worksheets</p> <p>Videos GCSE POD Multiple choice and free text questions</p> <p>SMH Tasks, links and worksheets</p> <p>Kahoot</p> <p>Quizlet Interactive flash cards and learning games</p>	<p>Assessment and Feedback given on GCSE POD</p> <p>Assessment and Feedback given back on Kahoot and Quizlet</p>
Topic/ Unit:	<p>10 Week Rotation Maze Project (R1) Week 1 Human Factors Week 2 Mazes and Labyrinths Week 3 Design a Maze, First ideas Week 4 Design a Maze, Developed ideas Week 5 Timbers. Hardwoods and Softwood Joints Week 6 Manufactured Boards Week 7 Vacuum Forming Half - Term Week 1 Net Development (Making Maze) Week 2 Net Development (Making Maze) Week 3 Test/Evaluation (R2) New Project? Week 4 Week 5 Week 6 Week 7</p>					
Year 9	5 periods over 2 weeks	As per the curriculum map / AREs	Live sessions working with students through project lessons as indicated in SOW Opposite.	Pre-recorded presentations with narration and demos.	<p>Presentations PPT Prezi Worksheets</p> <p>Videos GCSE POD</p>	
Topic/ Unit:	<p>Flat Pack Furniture Week 1 intro (KD fittings) Week 2 Stock Form and Components Tools Week 3 Wood Finishes Week 4 Scales of Production Week 5 Manufacturing Week 6 intro, Mind Map Week 7 Research</p>					

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	<p>Half - Term</p> <p>Week 8 Initial Ideas</p> <p>Week 9 Prototyping, Mini 3D paper Models</p> <p>Week 10 Final Design 2D and 3D</p> <p>Week 11 CAD Design</p> <p>Week 12 3D Card board Model (Photos)</p> <p>Week 13 Packaging</p> <p>Week 14 Test/Evaluation</p>				<p>Multiple choice and free text questions</p> <p>SMH</p> <p>Tasks, links and worksheets</p> <p>Kahoot</p> <p>Quizlet</p> <p>Interactive flash cards and learning games</p>	<p>Assessment and Feedback given on GCSE POD</p> <p>Assessment and Feedback given back on Kahoot and Quizlet</p>
Year 10	5 Periods over 2 weeks	As per the curriculum map / AREs	Live sessions working With students through project lessons as indicated in SOW Opposite.	Pre-recorded presentations with narration and demos.	<p>Presentations</p> <p>PPT</p> <p>Prezi</p> <p>Worksheets</p> <p>Videos</p> <p>GCSE POD</p> <p>Multiple choice and free text questions</p> <p>SMH</p> <p>Tasks, links and worksheets</p> <p>Kahoot</p> <p>Quizlet</p> <p>Interactive flash cards and learning games</p>	<p>Assessment and Feedback given on GCSE POD</p> <p>Assessment and Feedback given back on Kahoot and Quizlet</p>
Topic/ Unit:	<p>Chopping Board</p> <p>Week 1 History of Product Design and Designers</p> <p>Week 2 Phippe Starck and Post Modernism</p> <p>Week 3 Product Analysis OF Chopping Boards</p> <p>Week 4 Human Factors and Health and Safety</p> <p>Week 5 Materials and Smart Materials</p> <p>Week 6 Processes</p> <p>Week 7 Mind Map</p> <p>Half - Term</p> <p>Week 8 First Ideas</p> <p>Week 9 Developed ideas</p> <p>Week 10 Prototyping, Paper Models</p> <p>Week 11 CAD work</p> <p>Week 12 3D Card board Model (Photos)</p>					

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	<p>Week 13 Test</p> <p>Week 14 Project Evaluation</p>					
Year 11	5 Periods over 2 weeks	As per the curriculum map / AREs	Live sessions working With students through project lessons as indicated in SOW Opposite.	Pre-recorded presentations with narration and demos.	<p>Presentations</p> <p>PPT</p> <p>Prezi</p> <p>Worksheets</p> <p>Videos</p> <p>GCSE POD</p> <p>Multiple choice and free text questions</p> <p>SMH</p> <p>Tasks, links and worksheets</p> <p>Kahoot</p> <p>Quizlet</p> <p>Interactive flash cards and learning games</p>	<p>Assessment and Feedback given on GCSE POD</p> <p>Assessment and Feedback given back on Kahoot and Quizlet</p>
Topic/ Unit:	<p>GCSE Project Coursework</p> <p>Identifying a Problem</p> <p>Week 1 Be able to identify and outline possible project Opportunities. Be able to identify suitable Clients and users.</p> <p>Concept Ideas</p> <p>Week 2 Be able to create imaginative and creative ideas without Fixation.</p> <p>Week 3 Be able to produce clear, Well-presented sketches. Be able to add detailed annotation and evaluative Comments.</p> <p>Week 4 Be able to produce clear, Well-presented sketches. Be able to add detailed annotation and evaluative Comments.</p> <p>Development</p> <p>Week 5 Be able to produce detailed constructional sketches that Show understanding. sketch/model modifications and justify their inclusion</p> <p>Week 6 Be able to add annotation that seeks to explain design Decisions.</p> <p>Model Prototype</p> <p>Week 7 Be able to use modelling to</p>					

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	<p>test all or part of the design Solution.</p> <p>Week 8 Be able to add annotation that seeks to explain design decisions</p> <p>Week 9 CAD create 3D model</p> <p>Week 10 Be able to demonstrate, test and improve design features before Manufacture.</p> <p>Week 11 Orthographic Drawing of Prototype</p> <p>Week 12 Create Cutting List accurate list of materials that are Required for manufacture.</p> <p>Making</p> <p>Week 13 Making Final Prototype Select and use tools and Equipment with skill.</p> <p>Week 14 Making Final Prototype Be able to create a final prototype that demonstrates consistent awareness of Health and Safety and high attention to Quality.</p>					
<p>Year 12</p>	<p>5 Periods over 2 weeks</p> <p>Week 1</p> <p>Week 2</p> <p>Week 3</p> <p>Week 4</p> <p>Week 5</p> <p>Week 6</p> <p>Week 7</p> <p>Week 8</p>	<p>As per the curriculum map / AREs</p>				

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	<p>Week 9 Week 10 Week 11 Week 12 Week 13 Week 14</p>					
Topic/ Unit:	<p>A Level Project Coursework Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 8 Week 9 Week 10 Week 11 Week 12 Week 13 Week 14</p>					
Year 13	5 Periods over 2 weeks	As per the curriculum map / AREs				
Topic/ Unit:	<p>A Level Project Coursework Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 8 Week 9 Week 10 Week 11</p>					

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	Week 12 Week 13 Week 14					
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