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Department: **COMPUTING**

**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.

<b>Spring Term</b>	<b>Curriculum Time (Periods)</b>	<b>In-School provision (situation dependent)</b>	<b>Live 'Zoom' lessons (Tier 3&amp;4) Expectations</b>	<b>Pre-recorded 'Zoom' lessons (Tier 2) Expectations</b>	<b>Resources available?</b>	<b>Assessment &amp; Feedback?</b>
Year 7 Computing	3 Periods over 2 weeks 10 week rotation	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2 : Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		Online Safety booklet Idea.org <a href="https://teachcomputing.org/curriculum">https://teachcomputing.org/curriculum</a>	Students will be given mini quizzes on Online Safety on SMH, Quizziz & Kahoot. Test given at the end of each rotation. DIRT time when brochure/google site is completed
Topic/ Unit:	Computational thinking					

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Year 8 Computing	3 Periods over 2 weeks 10 week rotation	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2 : Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		<a href="https://teachcomputing.org/curriculum">https://teachcomputing.org/curriculum</a>  <a href="http://teach-ict.com/2016/GCSE-Computing/OCR-J276/2-1-algorithms/computational-thinking/lesson-tasks.html">http://teach-ict.com/2016/GCSE-Computing/OCR-J276/2-1-algorithms/computational thinking/lesson tasks.html</a>	Students will be given mini quizzes on Computational thinking on SMH, Quizziz & Kahoot. Test given at the end of each rotation. DIRT time when brochure/google site is completed
Topic/ Unit:	Hardware of the Computer					
Year 9 BTEC IT	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2 : Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		teach-ict.com  Google classroom assignment with PPTs and worksheets  Idea.org	PG Online resources BBC Daily NCCE
Topic/ Unit:	Networks					

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Year 9 BTEC Computer Science	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2 : Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		PG Online resources Google classroom assignment with PPT and worksheets. Back up on SMH  Idea.org	Students will be given past paper questions on the topic
Topic/Unit	Hardware and Software of different devices					
Year 10 BTEC IT	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2 : Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		BTEC DIT textbook  Google classroom assignment with PPT and worksheets. Back up on SMH  <a href="https://teachcomputing.org/curriculum/key-stage-4">https://teachcomputing.org/curriculum/key-stage-4</a>  <a href="https://www.knowitallninja.com/courses/effective-digital-working-practices/">https://www.knowitallninja.com/courses/effective-digital-working-practices/</a>	Quizzes on Know it all ninja. Past paper questions.
Topic/Unit	Pearson Cyber Security					

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Year 10 Computer Science	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2: Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		OCR GCSE CPG Computer Science	PG Online past paper questions
Topic/Unit	OCR Exam board  Computer Systems				Google classroom assignment with PPT and worksheets. Back up on SMH  <a href="https://www.knowitallninja.com/courses/j277-01-computer-systems/">https://www.knowitallninja.com/courses/j277-01-computer-systems/</a>  <a href="https://teachcomputing.org/curriculum/key-stage-4">https://teachcomputing.org/curriculum/key-stage-4</a>	
Year 11 BTEC IT	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend. Lesson 2: Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		OCR GCSE CPG Computer Science	CW Assignment sheet  PG Online past paper questions
Topic/Unit	Pearson NDA - Component 2 Coursework - Collecting and presenting data VSY Component 3 - Implications of Digital Systems Exam unit				Google classroom assignment with PPT and worksheets. Back up on SMH  <a href="https://teachcomputing.org/curriculum/key-stage-4">https://teachcomputing.org/curriculum/key-stage-4</a>	

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Year 11 Computer Science	OCR Exam board Computational thinking, Algorithms and Programming	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend.		Google classroom assignment with PPT and worksheets. Back up on SMH	PG Online past paper questions
Topic/ Unit:	10 Periods over 2 weeks		Lesson 2: Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		<a href="https://teachcomputing.org/curriculum/key-stage-4">https://teachcomputing.org/curriculum/key-stage-4</a>  <a href="https://www.knowitallninja.com/courses/i277-02-computational-thinking-algorithms-programming/">https://www.knowitallninja.com/courses/i277-02-computational-thinking-algorithms-programming/</a>	Google /Yacapaca/ quizzes
Year 12 Alevel Computer Science	APA OCR examboard Programming NEA  NDA Legal Moral Ethical  VSY Networks		Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend.		Google classroom assignment with PPT and worksheets. Back up on SMH	OCR Computer Science Past Paper questions
Topic/ Unit:			Lesson 2: Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.		<a href="https://teachcomputerscience.com/a-level/exchanging-data">https://teachcomputerscience.com/a-level/exchanging-data</a>	

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Year 13 BTEC IT	10 Periods over 2 weeks		Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend.		Database and Web development booklet	Know it all Ninja quizzes
Topic/ Unit:	MAM Unit 2 Database  NDA Unit 6 Website Development		Lesson 2: Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback.			Past paper questions  Website Development - Learning Aim A, B and C tasks to be completed.
Year 13 Computing	APA Unit 15 Website Development  NDA Unit 2 Fundamentals of Computer System		Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to attend.  Lesson 2: Work provided on Google classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give feedback		Website development and Database booklet All the resources, PPTs, video tutorials saved in Google classroom	Know it all Ninja quizzes  Website Development - Learning Aim A, B and C tasks to be completed.  Past paper questions for the Database unit.