Aspiring for Academic, Cultural & Sporting Excellence'

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.

Autumn Term	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 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.		Online Safety booklet  Idea.org <a href="https://teachcomput">https://teachcomput</a>	Students will be given mini quizzes on Online Safety on SMH, Quizziz & Kahoot. Test given at the end of
Topic/ Unit:	Online Safety - students learn how to keep themselves when using the internet and social media. Where to find help if needed.		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.		ing.org/curriculum	each rotation. DIRT time when brochure/google site is completed

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	https://teachcomput ing.org/curriculum	Students will be given mini quizzes on Computational
Topic/ Unit:	Computational thinking		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.	http://teach- ict.com/2016/GCSE Computing/OCR J27 6/2 1 algorithms/co mputational thinkin g/lesson tasks.html	thinking on SMH, Quizziz & Kahoot. Test given at the end of each rotation. DIRT time when brochure/google site is completed
Year 9 BTEC IT	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as	teach-ict.com	PG Online resources BBC Daily NCCE
Topic/ Unit:	Digital Literacy The National Curriculum states – "Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world		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.	Google classroom assignment with PPTs and worksheets Idea.org	

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Computer Science  Systems Architecture / Primary Storage  Topic/Unit  Year 10 BTEC IT  Pearson Communication Technology  As per curriculum map/ARE  Pearson Communication Technology  As per curriculum the 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 will provide Google meet lesson/Zoom as per TT for all to attend.  Lesson 2: Work provided on Google classroom assignment with PPT and worksheets.  Back up on SMH  BTEC DIT textbook Quizzes on Know it all ninja. Past paper questions.  Google classroom assignment with PPT and worksheets.  Back up on SMH  https://teachcomput ing.org/curriculum/k ey-stage-4  https://teachcomput ing.org/curriculum/k ey-stage-4		5 Periods over 2 weeks	•			_
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Systems Architecture / Primary Storage  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.  Year 10 BTEC IT	Science			'		
Primary Storage					Back up on SMH	
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Pearson Communication Technology  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  meet lesson/Zoom as guestions.  Google classroom assignment with PPT and worksheets. Back up on SMH  https://teachcomput ing.org/curriculum/k ey-stage-4	Year 10		As per curriculum	Lesson 1: Teacher	BTEC DIT textbook	Quizzes on Know it all
Technology  per TT for all to attend. Lesson 2 : Work provided on Google classroom with PPT and worksheets.  Back up on SMH  the resources from the lesson. Teacher can see how students are working in classroom and give  Google classroom assignment with PPT  and worksheets.  Back up on SMH  https://teachcomput ing.org/curriculum/k ey-stage-4	BTEC IT	5 Periods over 2 weeks	map/ARE	will provide Google		ninja. Past paper
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  assignment with PPT and worksheets. Back up on SMH  https://teachcomput ing.org/curriculum/k ey-stage-4		Pearson Communication		meet lesson/Zoom as		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  Lesson 2 : Work provided on Google Back up on SMH  https://teachcomput ing.org/curriculum/k ey-stage-4		Technology		per TT for all to	Google classroom	
Topic/Unit    Description				attend.	assignment with PPT	
Topic/Unit  Classroom with all the resources from the lesson. Teacher can see how students are working in classroom and give  Ling.org/curriculum/k  ey-stage-4				Lesson 2 : Work	and worksheets.	
Topic/Unit  the resources from the lesson. Teacher can see how students are working in classroom and give  the resources from the lesson. Teacher ing.org/curriculum/k  ey-stage-4  https://teachcomput ing.org/curriculum/k ey-stage-4				provided on Google	Back up on SMH	
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can see how students are working in classroom and give	Topic/Unit			the lesson. Teacher	ing.org/curriculum/k	
are working in classroom and give				can see how students		
classroom and give				are working in		
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Year 10 Computer	5 Periods over 2 weeks	As per curriculum map/ARE	Lesson 1: Teacher will provide Google	OCR GCSE CPG Computer Science	PG Online past paper questions
Science			meet lesson/Zoom as		
	OCR Exam board		per TT for all to attend.	Google classroom assignment with PPT and worksheets.	
	Systems Architecture / Primary Storage		Lesson 2: Work provided on Google classroom with all	and worksheets. Back up on SMH	
			the resources from the lesson. Teacher	Idea.org	
Topic/Unit			can see how students	https://teachcomput	
			are working in	ing.org/curriculum/k	
			classroom and give	ey-stage-4	
			feedback.		
Year 11	5 Periods over 2 weeks	As per curriculum	Lesson 1: Teacher	OCR GCSE CPG	CW Assignment sheet
BTEC IT		map/ARE	will provide Google	Computer Science	
	Pearson		meet lesson/Zoom as		
	NDA - Component 2		per TT for all to	Google classroom	PG Online past paper
	Coursework - Collecting		attend.	assignment with PPT	questions
	and presenting data		Lesson 2: Work	and worksheets.	
	MANA A/CV Component 2		provided on Google classroom with all	Back up on SMH	
Topic/Unit	MAM /VSY Component 3 - Implications of Digital		the resources from	https://teachcomput	
	Systems		the lesson. Teacher	ing.org/curriculum/k	
	Exam unit		can see how students	ey-stage-4	
	Exam unit		are working in	cy stage 1	
			classroom and give		
			feedback.		

Year 11 Computer Science	OCR Exam board Data Representation	As per curriculum map/ARE	Lesson 1: Teacher will provide Google meet lesson/Zoom as per TT for all to	Google classroom assignment with PPT and worksheets. Back up on SMH	PG Online past paper questions  Google /Yacapaca/
Topic/ Unit:	10 Periods over 2 weeks		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.	https://teachcomput ing.org/curriculum/k ey-stage-4	quizzes
Year 12 Alevel Computer Science	APA OCR examboard Components of a Computer System and their uses  NDA Exchanging Data  VSY System Software and Applications generation		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	Google classroom assignment with PPT and worksheets. Back up on SMH  https://teachcomputerscience.com/a-level/exchanging-data	OCR Computer Science Past Paper questions
Unit:			feedback.		

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