

'Nurturing young Catholic gentlemen.

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.

<u>Summer 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 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 https://teachcomputing.org/curriculum	Students will be given mini quizzes on Online Safety on SMH, Quizziz & Kahoot. Test given at the end of each rotation. DIRT time when mibrobits unit is completed
Topic/ Unit:	Microbits					

'Nurturing young Catholic gentlemen.

Aspiring for Academic, Cultural & Sporting Excellence'

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.		https://teachcomputing.org/curriculum http://teach-ict.com/2016/GCSE_Computing/OCR_J27_6/2_1_algorithms/computational_thinking/lesson_tasks.html	Students will be given mini quizzes on Computational thinking on SMH, Quizziz & Kahoot. Test given at the end of each rotation. DIRT time when Cryptography unit is completed
Topic/ Unit:	Cryptography					
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 https://www.knowitallninja.com/courses/effective-digital-working-practices/ Google classroom assignment with PPTs and worksheets Idea.org	PG Online resources BBC Daily NCCE
Topic/ Unit:	Data HTML					

'Nurturing young Catholic gentlemen.

Aspiring for Academic, Cultural & Sporting Excellence'

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 https://www.knowitallninja.com/courses/j277-01-computer-systems/	Students will be given past paper questions on the topic
Topic/Unit	Algorithms and Programming Logic and Data Representation					
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 https://teachcomputing.org/curriculum/key-stage-4 https://www.knowitallninja.com/courses/effective-digital-working-practices/	Quizzes on Know it all ninja. Past paper questions.
Topic/Unit	Pearson Cyber Security					

'Nurturing young Catholic gentlemen.

Aspiring for Academic, Cultural & Sporting Excellence'

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	Past papers , exam prep, review and assessment
Topic/Unit	OCR Exam board Unit 8 - Data representation - Binary, ASCII, compression and binary arithmetic Unit 1 - Systems Architecture - Functions and characteristics of the CPU, Memory and storage.				https://www.knowitallninja.com/courses/j277-01-computer-systems/ https://teachcomputing.org/curriculum/key-stage-4	
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				https://teachcomputing.org/curriculum/key-stage-4	

'Nurturing young Catholic gentlemen.

Aspiring for Academic, Cultural & Sporting Excellence'

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.		https://teachcomputing.org/curriculum/key-stage-4 https://www.knowitallninja.com/courses/j277-02-computational-thinking-algorithms-programming/	Google /Yacapaca/ quizzes
Year 12 Alevel Computer Science	APA Programming NDA Web Technologies VSY Computational thinking		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.		https://teachcomputerscience.com/a-level/exchanging-data	

'Nurturing young Catholic gentlemen.

Aspiring for Academic, Cultural & Sporting Excellence'

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.