

<b>Information Technology Curriculum Overview, 2021-2022</b>	
Why do we teach IT/Computing at Ark BDA?	The study of IT and computing is necessary in every aspect of modern society. As a subject, it combines academic challenge and rigor with a more practical understanding of the world of business. Students are introduced to complex IT terminology, theories and concepts and learn how apply these to explore real life IT issues and understand how businesses work. The units covered across KS5 allow students to explore IT concepts in different contexts, allowing them to develop sound critical, evaluative and analytical skills, and the ability to provide sustained solutions to IT issues. The aim to equip students with the relevant knowledge, experiences and skills to ensure they are confident and successful in an everchanging world where IT plays a key role. Whether their chosen route is via university, apprenticeships or entrepreneurship, students should feel empowered that they are able to be successful in whichever path they wish to follow.
How do we deliver our Christian values in IT/Computings?	In the IT and computing department, we promote the Christian values and ethos of the academy at KS5. We do this by encouraging students to 'Aim High' by realising and having faith in their potential to succeed, and encouraging them to pursue every opportunity both at Burlington Danes and outside. Students attend seminars and events at large international organisations, such as "Capgemini and Salesforce" where they are exposed to some of the leading business personnel in the UK. Students are encouraged to 'be brave' and show resilience by asking questions, contributing their ideas and taking responsibility in leading activities and tasks. Students 'keep learning' through exposure to a wider reading beyond the curriculum and regular feedback lessons.
How do we build core skills and knowledge over time?	Students develop the necessary knowledge by first learning underlying IT concepts. In year 10, students are introduced to topics such as the basic functions of an IT system in an organisation .  The Professional Pathways Level 3 BTEC Extended Diploma in IT gives students the opportunity to complete an academic qualification alongside gaining experience with world leading international businesses, including our IT partners, Capgemini, Salesforce, EY and Lloyds Bank. The course consists of completing 13 units across two years, four of which are exam based. The result is the equivalent of achieving 3 grades at A-Level. Not only do students have the opportunity gain to visit and gain work experience in leading global organisations, but they also complete a 'work readiness' course alongside their studies where they are taught valuable skills and experiences to prepare them for the university or career of their choice. The knowledge developed on this course
How does the study of IT/Computing prepare students for life beyond Ark BDA?	The Professional Pathways course run at KS5 gives students an insight into large businesses such as Capgemini, Salesforce, PwC and Bloomberg. Students attend workshops where they are exposed to day-day life in a large business and are often hand-picked for work experience. Students also complete a work readiness course alongside their studies at KS5. This is focused around developing skills and understanding of life after sixth form. It covers a range of topics from how to write a successful job application to how to choose the correct university/apprenticeship that is most suited to the needs of the students.

**NB: Follow link for curriculum content**

<https://arkschools.sharepoint.com/:x:/r/sites/BDA/Staff/General%20Curriculum%20and%20Timetable/Shared%20Documents/Curriculum%20Overviews/2019-2020/BTEC%20Nationals%20Extended%20Diploma%20IT%20Curriculum%20Plan.xlsx?d=we479bd7115a04c2a9163ed6cf1180746&csf=1&e=9qOs9x>

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 12 BTEC</b>	Topic	Unit 1 – Information Technology and Systems (Exam unit) Unit 4 – Programming Unit 11 – Cyber security and incident management		Unit 2 – Creating Information systems Unit 9 – IT Project management Revision for Unit 2 and Unit 11		Unit 6 Website development Revision for Unit 11	Unit 3 Social media in Business
	Key question					What key misconceptions from previous mock exam need to be covered?	
	Content						
	Assessment	25/11 Assessment cycle: Information Systems 2019 past paper		20/01 Unit 1 external exam 03/02 Assessment cycle: Unit 2 Creating Information system	In class assessment: 2019 Unit 11 Cyber security and incident management	External examinations: Unit 2 Unit 11	
<b>Year 13 BTEC</b>	Topic	Unit 5 Data modelling Unit 10 Big data modelling Unit 14 IT Service delivery		Unit 14 IT Service delivery Unit 8 – Computer games development Unit 7 Mobile apps development		Revision – Unit 14 IT Service delivery	Unit 17 or 18 Digital graphics or animation
	Key question						
	Content						
	Assessment	Unit 5 Internal assessment Unit 14 External assessment practice		Unit 7 Internal assessment	Unit 8 Games development internal assessment	External examinations: Unit 14	Unit 17 or 18 Internal assessment