Computer Science & IT - Curriculum Overview -SPRING 2027

Year 7	
What are you teaching? Spring 1	**What are you teaching? Spring 2**
Introduction to Spreadsheets	Introduction to Spreadsheets
Why have you chosen to teach this unit, and this time?	
- Focuses on key skills that will be required throughout their time in both education and employment.	
○ **What are the 3 key pieces of knowledge you will have expected students to acquire by the end of this unit?**	
- Formulas - Functions - Charts	
Is this topic on the National Curriculum? Yes **Will all staff be teaching this unit?** Yes	

Year 8	
What are you teaching?Spring 1	**What are you teaching? Spring 2**
Creating Media	Creating Media
Why have you chosen to teach this unit, and this time?	
- This is a creative unit to focus students' attention to the creation and manipulation of documents to better improve their functionality.	
What are the 3 key pieces of knowledge you will have expected students to acquire by the end of this unit?	
- Analysis of different types of media. - Investigate colour depth & resolution - Investigate Bit depth and Bit rate	

Is this topic on the National Curriculum? Yes
Will all staff be teaching this unit? Yes

Year 10	
What are you teaching?Spring 1	**What are you teaching? Spring 2**
Component 2 - NEA- Collecting, Presenting and Interpreting Data ● Learning Aim A - Understand how data is being collected by organisations and how its being used by individuals	Component 2 - Collecting, Presenting and Interpreting Data ● Learning aim B- Create a dashboard using data manipulation tools ● Learning aim C be able to draw conclusions and review data presentation methods
Why have you chosen to teach this unit, and this time?	

- This has to be covered prior to the final. - This has aspects linked to exam topics such as Data v information, Data collection and why we model data	
Year 9	
What are you teaching? Spring 1	**What are you teaching? Spring 2**
Spreadsheets	Spreadsheets
Why have you chosen to teach this unit, and this time?	
To strengthen and refresh previous skills and introductions further skills and concepts when using spreadsheets	
What are the 3 key pieces of knowledge you will have expected students to acquire by the end of this unit?	
- To be able to create spreadsheet models - Apply advanced functions and formula - Format data to meet the needs of the audience	
Is this topic on the National Curriculum? Yes **Will all staff be teaching this unit?** Yes	

What are the 3 key pieces of knowledge you will have expected students to acquire by the end of this unit?
- Data v information, - Data collection and why we model data - Dashboards formulas and functions and graphs and charts
Is this topic on the National Curriculum? Yes **BTEC Tech award DIT Syllabus** **Will all staff be teaching this unit?** Yes

Year 11	
What are you teaching? Spring 1	**What are you teaching? Spring 2**
Component 3 Effective Digital Working Practices	**Course Completed** **Examination skills and prep for May June**
Why have you chosen to teach this unit, and this time?	
AO1 Demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology AO2 Demonstrate an understanding of facts, terms, processes and issues in relation to digital information technology AO3 Apply an understanding of facts, terms, processes and issues in relation to digital information technology AO4 Make connections with the concepts, issues, terms and processes in digital information technology	
What are the 3 key pieces of knowledge you will have expected students to acquire by	
the end of this unit?	
Modern technologies Cyber security Digital systems Communication systems	
Is this topic on the National Curriculum? No **Will all staff be teaching this unit?** Yes	