Key Stage 4 Curriculum Map 2021-22

Term 1

Subject: Computer Science	Year: 11		
Focus/Topic	**UAE Links**	**HPL Links**	**Home Learning/ Recommended Reading**
Student induction			
Year 10 consolidation and mock preparations			
Year 10 consolidation and mock preparations			
Year 11 mocks			
Year 11 mocks			
• Relational Databases & Database Design	Emirates ID	**LINKING**- *Connection finding* **META-THINKING**-*Strategy planning*	**Reading**: Blue textbook **Home learning**: as per lesson resources shared online
• Database Design & Structure Query Language	Emirates ID	**ANALYSING**-*Precision*	**Reading**: Blue textbook **Home learning**: as per lesson resources shared online
Half Term			
• Web page design	Website to be linked to UAE	**CREATING**- *Intellectual playfulness*	**Reading**: Blue textbook **Home learning**: as per lesson resources shared online
Assessment – Databases and SQL Feedback and improvements			
• Data Structures including: o 1D Arrays and Lists o 2D Arrays	Lists/Arrays to store/sort the Emirates	**LINKING**- *Connection finding* **AGILE**- *Creative and enterprising*	**Reading**: Python textbook **Home learning**: as per lesson resources shared online
• Handling external data	Lists/Arrays to store/sort the Emirates	**ANALYSING**-*Precision*	**Reading**: Python textbook **Home learning**: as per lesson resources shared online
• Flowcharts • Pseudocode	Accountability	**AGILE**- *Creative and enterprising*	**Reading**: Both textbooks **Home learning**: as per lesson resources shared online

		CREATING- *Intellectual playfulness*	
• Pseudocode • **Assessment – Flowcharts and pseudocode**	Accountability	ANALYSING- *Complex and multi step problem solving* **HARD WORKING**-*Practice*	**Reading**: Both textbooks **Home learning**: as per lesson resources shared online
• Trace tables • Types of errors	Accountability & brotherhood	**AGILE**- *Enquiring*	**Reading**: Both textbooks **Home learning**: as per lesson resources shared online
Winter Break			