

## Key Stage 3 Curriculum Map 2021-22

### Term 1

Subject: Computing	Year: 8		
Focus/Topic	UAE Links	HPL Links	Home Learning/ Recommended Reading
Student induction			
Introduction, curriculum orientation, expectations and setup			
Data Representation Establish how computers use binary to store information	How data is stored on devices in the UAE	<i>META-THINKING-Meta cognition</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
Data Representation Model how computers use ASCII to represent text	How data is represented in the UAE	<i>META-THINKING-Strategy planning</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
Data Representation Theorise how computers represent bitmap images	Accountability	<i>META-THINKING-Strategy planning</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
Data Representation Discover how computers represent sound waves	Accountability	<i>LINKING- Connection finding</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
Data Representation Examine how computers use binary to run programs		<i>CREATING- Intellectual playfulness</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
<b>Half Term</b>			
Data Representation Assessment			
Networking The Internet	Accountability & integrity	<i>META-THINKING-Meta-cognition</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
Networking Connectivity	Accountability & integrity	<i>META-THINKING-Strategy planning</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>
Networking Topologies	Which topology does GFS use in the computer labs	<i>EMATHETIC- Confident</i>	<ul style="list-style-type: none"> <li>Phoenix resources</li> <li>Home learning workbook</li> </ul>

Networking Client Server Networks	How do companies in the UAE store their data	<b>ANALYSING- Critical or logical thinking</b>	<ul style="list-style-type: none"> <li>• Phoenix resources</li> <li>• Home learning workbook</li> </ul>
Networking Encryption	How can companies in the UAE keep their data safe	<b>LINKING- Connection finding</b>	<ul style="list-style-type: none"> <li>• Phoenix resources</li> <li>• Home learning workbook</li> </ul>
Networking Assessment			
<b>Winter Break</b>			