

## Year 7 Computing

### Topic 6: Spreadsheets

Spreadsheet basics, Quick calculations, Collecting Data, Functions and Formulas

### Topic 5: Scratch part 2

Animating, Loops, Motions, Lists and Translating Code

### Topic 4: Scratch part 1

Sequencing, Variables, selection, Operators. Iteration and Problem Solving,

### Topic 3: Using Media

Word Processor tools, Licensing, Credible Sources, Researching information, and Promoting a cause.

### Topic 2: Networks

Protocols, Network Hardware, Wired & wireless Networks, Internet and World Wide Web

### Topic 1: Collaborating online effectively

Online safety, Communication and Presenting information



Knowledge	Attributes / Character	Skills	Experiences
<ul style="list-style-type: none"> <li>● Collaborating online effectively</li> <li>● Networks</li> <li>● Using Media</li> <li>● Scratch Part 1</li> <li>● Scratch Part 2</li> <li>● Spreadsheets</li> </ul>	<ul style="list-style-type: none"> <li>● Confidence                             <ul style="list-style-type: none"> <li>○ Praise</li> <li>○ Oracy - Turn and Talk, Think, Pair, Share</li> </ul> </li> <li>● Organisation                             <ul style="list-style-type: none"> <li>○ Workbooks/folder checks</li> <li>○ Regular use of Google classroom</li> </ul> </li> <li>● Resilience                             <ul style="list-style-type: none"> <li>○ Developing problem solving skills</li> </ul> </li> <li>● Empathy                             <ul style="list-style-type: none"> <li>○ Working in collaboration with others</li> <li>○ Peer assessment</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Computational thinking</li> <li>● Problem solving</li> <li>● Numeracy</li> <li>● Literacy                             <ul style="list-style-type: none"> <li>○ Use of key terminology in written and oral work</li> </ul> </li> <li>● Creativity</li> <li>● Planning</li> <li>● Organisation</li> <li>● Design for purpose</li> <li>● Communication for various audiences</li> </ul>	<ul style="list-style-type: none"> <li>● Opportunities to develop programming skills</li> <li>● Research careers in Cyber security</li> <li>● Visit to Cyber First events</li> <li>● Outside speakers from Bletchley Park</li> <li>● Coding club</li> <li>● iDEA award</li> </ul>