Computing
Year 8

TERM 1	TERM 2	TERM 3
Programming in Scratch **B2 Unit 3 Binary numbers** Converting Binary to Decimal and vice versa, bitmaps Write program to convert decimal numbers to binary	**B3 Unit 7 Digital circuits, Boolean Logic, Logic Gates** **B3 Unit 1 Cracking the code** **B3 Unit 2 Representing sounds** **B3 Unit 3 Creating Databases** Interrogating Databases using Boolean expressions DB Form design DB Report design **B2 Unit 5 Programming in Python** **B2 Unit 8 Artificial Intelligence**	**B2 Unit 8** Artificial Intelligence cont. **B2 Unit 7 Sorting methods** **B3 Unit 4 Searching** **Implementing a linear search and a binary search using Python** **B3 Unit 9 Creating an app to solve a problem** Web site creation using HTML and CSS Revision for end of year examination Spreadsheets revision from Year 7

How we support learning:

- Written and verbal feedback on all assessments including targets for improvement
- Providing more detailed written guidance for lower ability students
- Offering individual teacher support in the classroom as required
- Provide personalised support outside the classroom as necessary
- Higher ability students are provided with extension tasks, which enable them to produce work of a higher standard.

How parents can support learning:

- Provide access to personal computer at home with appropriate software
- Encourage computer use at home
- Support homework activities for other subjects using computer