

Units by Year Group – Mixed Age Classes

Theme Key:

| | | | | | | | | | | | | | | | |
|--|-----------------------------------|--|--------------|--|--------------------|--|----------------|--|-------|--|------------------------|--|------------------------|--|----------------------------|
| | Coding and Computational thinking | | Spreadsheets | | Internet and Email | | Art and Design | | Music | | Databases and graphing | | Writing and Presenting | | Communication and networks |
|--|-----------------------------------|--|--------------|--|--------------------|--|----------------|--|-------|--|------------------------|--|------------------------|--|----------------------------|

| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|---|----|----|---|----|----|---|----|--|----|----|----|----|----|----|----|----|----|----|
| YEAR 5 & 6 CYCLE A* | Unit 5.1 Coding Number of Weeks – 6 Main Programs – 2Code | | | | | | Unit 5.2 Online safety Weeks – 3 Programs - Various | | | Unit 5.3 Spreadsheets Weeks – 5 Programs – 2Calculate | | | | Unit 5.4 Databases Weeks – 4 Programs – 2Question, 2Investigate | | | Unit 5.5 Game Creator Weeks – 5 Programs – 2DIY 3D | | | Unit 5.6 3D Modelling Weeks – 4 Programs – 2Design and Make | | Unit 5.7 Concept Maps Weeks – 4 Programs – 2Connect | | | | | | | | | | |
| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| YEAR 5 & 6 CYCLE B* | Unit 6.1 Coding Number of Weeks – 6 Main Programs – 2Code | | | | | | Unit 6.2 Online safety Weeks – 3 Programs - Various | | | Unit 6.3 Spreadsheets Weeks – 5 Programs – 2Calculate | | | | Unit 6.4 Blogging Weeks – 5 Programs – 2Blog | | | Unit 6.5 Text Adventures Weeks – 5 Programs – 2Code, 2Connect | | | Unit 6.6 Networks Weeks – 3 | | Unit 6.7 Quizzing Weeks – 6 Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate | | | | | | | | | | |

* There is an optional unit 6.8 – Understanding Binary that can be used in addition to the above units. It is a four week unit.

Coding Breakdown

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| YEAR 5 & 6 CYCLE A | Review Previous coding – Year 5 Lesson 1 | Simulating a physical system – Year 5 Lesson 2 | Creating a game with a score and timer – Year 5 Lessons 4 and 5 | The Launch Command – Year 5 Lesson 6 | Using User Input – Year 6, Lesson 4 | |
| YEAR 5 & 6 CYCLE B | Designing and writing a more complex program – Year 6 Lessons 1 and 2 | | Introducing text variables – Year 5 Lesson 3 | Introducing Functions – Year 6 Lesson 3 | Flowcharts and control simulations – Year 6, Lesson 5 | Text Adventure – Year 6 Lesson 6 |