

Year group computing curriculum

Early Years (Reception)

Rather than a scheme with set lessons, the early years resources are designed to integrate into the day-to-day routine and set-up of an early years setting with opportunities for using Mini Mash or Purple Mash as part of the Early Years curriculum to support children in working towards early learning goals.

In addition, there are units of suggested ideas that focus on computing skills specifically, that can also be provided as opportunities for learning as part of the topics in other areas to give children a sound basis to explore topics using technology and to be ready for progressing through the Computing curriculum. These are as follows and are designed to be integrated and linked to wider early years curriculum areas. These have been loosely classified into the three streams but there is overlap between all three streams.

Mouse and Trackpad Skills	Keyboard Skills	Drawing skills	Robots	Sounds	Photography
Technology Around Us	Hardware	Safety and Privacy	Quizzes	Using Purple Mash with an Individual Login	

Year 1:

Unit 1.1 Online Safety & Exploring Purple Mash Number of lessons – 4 Programs – Various	Unit 1.2 Grouping & Sorting Number of lessons – 2 Programs – 2DIY	Unit 1.3 Pictograms Number of lessons – 3 Programs – 2Count
Unit 1.4 Lego Builders Number of lessons – 3 Programs – 2DIY	Unit 1.5 Maze Explorers Number of lessons – 3 Programs – 2Go	Unit 1.6 Animated Story Books Number of lessons – 5 Programs – 2Create A Story
Unit 1.7 Coding Number of lessons – 6 Programs – 2Code	Unit 1.8 Spreadsheets Number of lessons – 3 Programs – 2Calculate	Unit 1.9 Technology outside school Number of lessons – 2 Programs – Various

Year2:

Unit 2.1 Coding Number of lessons – 6 Programs – 2Code	Unit 2.2 Online Safety Number of lessons – 3 Programs – Various	Unit 2.3 Spreadsheets Number of lessons – 4 Programs – 2Calculate
Unit 2.4 Questioning Number of lessons – 5 Programs – 2Question, 2Investigate	Unit 2.5 Effective Searching Number of lessons – 3 Programs – Browser	Unit 2.6 Creating Pictures Number of lessons – 5 Programs – 2PaintAPicture
Unit 2.7 Making Music Number of lessons – 3 Programs – 2Sequence	Unit 2.8 Presenting Ideas Number of lessons – 4 Programs – Various	

Year 3:

<p>Unit 3.1 Coding</p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p>Unit 3.2 Online safety</p> <p>Number of lessons – 3</p> <p>Programs – Various</p>	<p>Unit 3.3 Spreadsheets</p> <p>Number of lessons – 3*</p> <p>Programs – 2Calculate</p>
<p>Unit 3.4 Touch Typing</p> <p>Number of lessons – 4</p> <p>Programs – 2Type</p>	<p>Unit 3.5 Email (including email safety)</p> <p>Number of lessons – 6</p> <p>Programs – 2Email, 2Connect, 2DIY</p>	<p>Unit 3.6 Branching Databases</p> <p>Number of lessons – 4</p> <p>Programs – 2Question</p>
<p>Unit 3.7 Simulations</p> <p>Number of lessons – 3</p> <p>Programs – 2Simulate, 2Publish</p>	<p>Unit 3.8 Graphing</p> <p>Number of lessons – 2</p> <p>Programs – 2Graph</p>	<p>Unit 3.9 Presenting (with Microsoft PowerPoint or Google Slides)</p> <p>Number of Lessons – 5 or 6 (version dependent)</p> <p>Main Program – MS PowerPoint or Google Slides</p>

Year 4:

Unit 4.1 Coding Number of lessons – 6 Main Programs – 2Code	Unit 4.2 Online safety Number of lessons – 4 Programs – Various	Unit 4.3 Spreadsheets Number of lessons – 6 Programs – 2Calculate
Unit 4.4 Writing for different audiences Number of lessons – 5 Programs – 2Email, 2Connect, 2DIY	Unit 4.5 Logo Number of lessons – 4 Programs – Logo	Unit 4.6 Animation Number of lessons – 3 Programs – 2Animate
Unit 4.7 Effective Search Number of lessons – 3 Programs – Browser	Unit 4.8 Hardware Investigators Number of lessons – 2	Unit 4.9 Making Music Number of Lessons – 4 Main Program – Busy Beats
OPTIONAL UNIT Unit 4.10 Artificial Intelligence Number of Lessons – 4		

Year 5:

Unit 5.1 Coding Number of lessons – 6 Main Programs – 2Code	Unit 5.2 Online safety Number of lessons – 3 Programs - Various	Unit 5.3 Spreadsheets Number of lessons – 6 Programs – 2Calculate
Unit 5.4 Databases Number of lessons – 4 Programs – 2Question, 2Investigate	Unit 5.5 Game Creator Number of lessons – 5 Programs – 2DIY 3D	Unit 5.6 3D Modelling Number of lessons – 4 Programs – 2Design and Make
Unit 5.7 Concept Maps Number of lessons – 4 Programs – 2Connect	Unit 5.8 Word processing (with Microsoft Word or Google Docs) Number of Lessons – 8 Main program – MS Word or Google Docs	Unit 5.9 Using External Devices Number of lessons – 6 Main Programs – 2Code Purple Chip

Year 6:

Unit 6.1 Coding Number of lessons – 6 Main Programs – 2Code	Unit 6.2 Online safety Number of lessons – 2 Programs - Various	Unit 6.3 Spreadsheets Number of lessons – 5 Programs – 2Calculate
Unit 6.4 Blogging Number of lessons – 4 Programs – 2Blog	Unit 6.5 Text Adventures Number of lessons – 5 Programs – 2Code, 2Connect	Unit 6.6 Networks Number of lessons – 3
Unit 6.7 Quizzing Number of lessons – 6 Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate	Unit 6.8 Understanding Binary Number of Lessons – 4 Main Program – 2Code	Unit 6.9 Spreadsheets (with Microsoft Excel or Google Sheets) Number of Lessons – 8 Main program – MS Excel or Google Sheets