

## Computing Year group overview

### Year 1 - 6

For computing we use and follow the Purple Mash schemes of work to ensure progression of skills and coverage of the National Curriculum. Computing is not taught weekly as outlined on the overview. Instead blocks of computing are planned and taught throughout the academic year.

Within Early Years children will explore Purple Mash schemes including; communication and Language, Expressive Arts, Literacy, Mathematics, Physical Development, PSED and Understanding the World.

Each Year group, including Early Years is taught about Online Safety throughout the year.

Units may change duration and order depending on the learning experience. Any changes to the units will be communicated through the Parent Webs on Google Classroom.

You can also visit our webpage dedicated to Internet and E-Safety page for information on keeping your child safe online:

<https://baldwinshillprimaryschool.co.uk/e-safety/>

Purple Mash Computing Scheme of Work – Overview - Year 1

## Year 1 Whole Year Overview

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
<b>YEAR1</b>	<b>Unit 1.1 Online Safety &amp; Exploring Purple Mash</b>				<b>Unit 1.2 Grouping &amp; Sorting</b>		<b>Unit 1.3 Pictograms</b>			<b>Unit 1.4 Lego Builders</b>			<b>Unit 1.5 Maze Explorers</b>			<b>Unit 1.6 Animated Story Books</b>					<b>Unit 1.7 Coding</b>					<b>Unit 1.8 Spreadsheets</b>			<b>Unit 1.9 Technology outside school</b>		
	<b>Number of Weeks – 4 Tools Used – Avatar creator Paint Projects Writing Templates 2Count (Pictograms) 2Explore (Music)</b>				<b>Weeks – 2 Programs – 2Quiz</b>		<b>Weeks – 3 Programs – 2Count 2Connect</b>			<b>Weeks – 3 Programs – 2Quiz Paint Projects Writing Templates</b>			<b>Weeks – 3 Programs – 2Go</b>			<b>Weeks – 5 Programs – 2Create A Story</b>					<b>Weeks – 6 Programs – 2Code</b>					<b>Weeks – 3 Programs – 2Calculate</b>			<b>Weeks – 2 Programs – Writing Templates</b>		

## Year 2 Whole Year Overview

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
<b>YEAR 2</b>	<b>Unit 2.1 Coding</b>					<b>Unit 2.2 Online Safety</b>			<b>Unit 2.3 Spreadsheets</b>				<b>Unit 2.4 Questioning</b>				<b>Unit 2.5 Effective Searching</b>			<b>Unit 2.6 Creating Pictures</b>					<b>Unit 2.7 Making Music</b>			<b>Unit 2.8 Presenting Ideas</b>				
	<b>Number of Weeks – 5</b> <b>Main Programs – 2Code</b>					<b>Weeks – 2</b> <b>Programs –</b> Writing Templates Display boards 2Respond (2Email)			<b>Weeks – 4</b> <b>Programs –</b> 2Calculate				<b>Weeks – 5</b> <b>Programs –</b> 2Question, 2Investigate 2Calculate				<b>Weeks – 3</b> <b>Programs –</b> – Browser 2Quiz Writing Templates			<b>Weeks – 5</b> <b>Programs – 2Paint</b> A Picture Writing Templates					<b>Weeks – 3</b> <b>Programs –</b> 2Sequence			<b>Weeks – 4</b> <b>Programs –</b> 2Connect (Mind Map) 2Create a Story (ebook) 2Quiz Writing Templates				

Purple Mash Computing Scheme of Work – Overview - Year 3

## Year 3 Whole Year Overview

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
<b>YEAR 3</b>	<b>Unit 3.1 Coding</b>						<b>Unit 3.2 Online Safety</b>			<b>Unit 3.3 Spreadsheets</b>			<b>Unit 3.4 Touch-Typing</b>				<b>Unit 3.5 Email (including email safety)</b>					<b>Unit 3.6 Branching Databases</b>			<b>Unit 3.7 Simulations</b>			<b>Unit 3.8 Graphing</b>				
	<b>Number of Weeks – 6</b> <b>Main Programs – 2Code</b>						<b>Weeks – 3</b> <b>Programs –</b> 2Connect (Mind Map) 2Blog (Blogging) Writing Templates Display boards			<b>Weeks – 3</b> <b>Programs –</b> 2Calculate			<b>Weeks – 4</b> <b>Programs –</b> 2Type				<b>Weeks – 6</b> <b>Programs – 2Email</b>					<b>Weeks – 4</b> <b>Programs –</b> 2Question			<b>Weeks – 3</b> <b>Programs –</b> 2Simulate, Writing Templates			<b>Weeks – 3</b> <b>Programs –</b> 2Graph Writing Templates 2Blog (Blogging)				

## Year 4 Whole Year Overview

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
<b>YEAR 4</b>	<b>Unit 4.1 Coding</b>						<b>Unit 4.2 Online Safety</b>				<b>Unit 4.3 Spreadsheets</b>					<b>Unit 4.4 Writing for Different Audiences</b>					<b>Unit 4.5 Logo</b>				<b>Unit 4.6 Animation</b>			<b>Unit 4.7 Effective Searching</b>			<b>Unit 4.8 Hardware Investigators</b>	
	<b>Number of Weeks – 6 Main Programs – 2Code</b>						<b>Weeks – 4 Programs - 2Connect (Mind Map) 2Publish Plus Display boards</b>				<b>Weeks – 5 Programs – 2Calculate</b>					<b>Weeks – 5 Programs – Writing Templates 2Simulate 2Connect (Mind Map) 2Publish Plus</b>					<b>Weeks – 4 Programs – 2Logo</b>				<b>Weeks – 3 Programs – 2Animate</b>			<b>Weeks – 3 Programs – Browser 2Quiz 2Connect (Mind Map)</b>			<b>Weeks – 2 Programs – 2Quiz 2Connect (Mind Map) Writing Templates</b>	

## Year 5 Whole Year Overview

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
<b>YEAR 5</b>	<b>Unit 5.1 Coding</b>						<b>Unit 5.2 Online Safety</b>				<b>Unit 5.3 Spreadsheets</b>					<b>Unit 5.4 Databases</b>					<b>Unit 5.5 Game Creator</b>				<b>Unit 5.6 3D Modelling</b>			<b>Unit 5.7 Concept Maps</b>				
	<b>Number of Weeks – 6 Main Programs – 2Code</b>						<b>Weeks – 3 Programs - 2Publish Plus Writing Templates Display boards 2Connect (Mind Map)</b>				<b>Weeks – 6 Programs – 2Calculate</b>					<b>Weeks – 4 Programs – 2Investigate (database) Avatar creator</b>					<b>Weeks – 5 Programs – 2DIY 3D Writing Templates 2Blog (Blogging)</b>				<b>Weeks – 4 Programs – 2Design and Make Writing Templates</b>			<b>Weeks – 4 Programs – 2Connect</b>				

# Year 6 Whole Year Overview

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 6	<b>Unit 6.1 Coding</b>						<b>Unit 6.2 Online Safety</b>			<b>Unit 6.3 Spreadsheets</b>					<b>Unit 6.4 Blogging</b>				<b>Unit 6.5 Text Adventures</b>				<b>Unit 6.6 Networks</b>				<b>Unit 6.7 Quizzing</b>					
	<b>Number of Weeks – 6 Main Programs – 2Code</b>						<b>Weeks – 3 Programs - 2DIY 3D 2DIY 2Code 2Blog (Blogging)</b>			<b>Weeks – 5 Programs – 2Calculate</b>					<b>Weeks – 4 Programs – 2Blog</b>				<b>Weeks – 5 Programs – 2Code, 2Connect, 2Create a Story, Writing Templates</b>				<b>Weeks – 3 Programs – 2Connect (Mind Map) Writing Templates</b>				<b>Weeks – 6 Programs – 2DIY 2Quiz Text Toolkit 2Investigate (database)</b>					

\* There is an optional unit – **Unit 6.8 – Understanding Binary** that can be used in addition to the above units. It is a four-lesson unit. Tools used: 2Connect, (Mind Map), 2Question (Binary Databases), Writing Templates, 2Code