purple mash

Supporting the National Curriculum 2014 with Purple Mash

Computing

Key Stage 1

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Link to Planning and Resources
Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.	**2Go** (Write Simple Instructions)	2Go	2Go Challenges
	2Logo (Controlling An Object Using Commands)	2Logo	https://www.purplemash.com/#app/guides/2Logo_Guide
	2Code – (Coding)		2Code Plans and Resources 2Code Teacher Guide
		Free Code Chimp	Scheme of Work using free code
		Chimp Guided Lessons (approx. Y1-Y4)	2Code Guided Lessons: Objectives
		Debug Challenges Chimp (approx. Y1-Y4)	
Create and debug simple programs	**2Code** – (Coding)		2Code Plans and Resources 2Code Teacher Guide
		Free Code Chimp	Scheme of Work using free code
		Chimp Guided Lessons (approx. Y1-Y4)	2Code Guided Lessons: Objectives
		Debug Challenges Chimp (approx. Y1-Y4)	

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Use logical reasoning to predict the behaviour of simple programs.	2Go (Write Simple Instructions)	2Go	2Go Challenges
	2Logo (Controlling An Object Using Commands)	2Logo	https://www.purplemash.com/#app/guides/2Logo_Guide
	2Code – (Coding)		2Code Plans and Resources 2Code Teacher Guide
		Free Code Chimp	Scheme of Work using free code
		Chimp Guided Lessons (approx. Y1-Y4)	2Code Guided Lessons: Objectives
		Debug Challenges Chimp (approx. Y1-Y4)	
Use technology purposefully to create, organise, store, manipulate and retrieve digital content	2Paint (Painting Program)	2Paint	2Paint User Guide
	2Publish (Publishing Templates)	2Publish	Publishing Tools Guide
	2Sequence (Music Creation)	2Sequence	
	2Animate (Animation)	2Animate	2Animate Guide
	2Create A Story (Animated Stories)	2CreateAStory	2Create a Story Guide
	2Calculate (Spreadsheet)	2Calculate	2Calculate User Guide - Start here

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			Resources including a Scheme of Work for Spreadsheets
	2Count (Pictograms)	2Count	2Count Guide
	2DIY (Make your own games and quizzes)	2DIY	https://www.purplemash.com/#tab/teachers/guides_and_resources/2diy_2quiz_resources
	Mashcams (Use your webcam to make topic themed images – combine with text)	Purple Mashcams	Publishing Tools Guide
	Various	Various, including topic based activities found in the Topic area.	All creative tools and writing frames allow the user to create, store, manipulate and retrieve digital content.
Recognise common uses of information technology beyond school	Topic based projects	Technology outside school activity	
	2Calculate Spreadsheet Scheme of Work models applications of technology to solving 'real world' problems	2Calculate	2Calculate User Guide - Start here Resources including a Scheme of Work for Spreadsheets
	2Count, 2Graph, 2Question, 2Investigate Simple programs for collecting and presenting 'real life' data	2Count 2Graph 2Question 2Investigate	2Count Guide 2Graph Guide 2Question Guide 2Investigate Teachers Guide Lesson Plans and printable resources for 2Investigate

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National Curriculum Statement	Purple Mash Resource	Direct link to resource	Link to Planning and Resources
Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	Internet Safety Activities	Computing Topic Resources - online safety section	Teachers Guide to Purple Mash and online safety Many of these activities provide introductory videos to start discussion. Most of these resources have 'Think about' boxes to promote class discussion and provide writing prompts. They also include relevant clipart.

Key Stage 2

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Link to Planning and Resources
Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	**2Code** – (Coding)		2Code Plans and Resources 2Code Teacher Guide
		Free Code Gibbon Free Code Gorilla	Scheme of Work using free code
		Gibbon Guided Lessons (approx. Y3-Y5) Gorilla Guided Lessons (approx. Y4-Y6)	2Code Guided Lessons: Objectives
		Debug Challenges Gibbon (approx. Y3-Y5) Debug Challenges Gorilla (approx. Y4-Y6)	
	2Logo	2Logo	https://www.purplemash.com/#app/guides/2Logo_Guide
	2Chart (flowcharts)	2Chart	https://www.purplemash.com/#app/guides/2Chart_Guide
Use sequence, selection and repetition in programs; work with variables and various forms of input and output.	**2Code** – (Coding)		2Code Plans and Resources 2Code Teacher Guide
		Free Code Gibbon Free Code Gorilla	Scheme of Work using free code
		Gibbon Guided Lessons (approx. Y3-Y5) Gorilla Guided Lessons (approx. Y4-Y6)	2Code Guided Lessons: Objectives

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National Curriculum Statement	Purple Mash Resource	Direct link to resource	Link to Planning and Resources
		Debug Challenges Gibbon (approx. Y3-Y5) Debug Challenges Gorilla (approx. Y4-Y6)	
	2Logo (Controlling an Object Using Commands)	2Logo	https://www.purplemash.com/#app/guides/2Logo_Guide
	2DIY (Allows the user to sequence events)	2DIY	https://www.purplemash.com/#tab/teachers/guides_and_resources/2diy_2quiz_resources
	2Chart (flowcharts)	2Chart	https://www.purplemash.com/#app/guides/2Chart_Guide
Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.	2Code – (Coding)		2Code Plans and Resources 2Code Teacher Guide
		Free Code Chimp (approx. Y1-Y4)	Scheme of Work using free code
		Chimp Guided Lessons (approx. Y1-Y4)	2Code Guided Lessons: Objectives
		Debug Challenges Chimp (approx. Y1-Y4)	
	2Logo (Controlling An Object Using Commands)	2Logo	https://www.purplemash.com/#app/guides/2Logo_Guide
	2Chart (flowcharts)	2Chart	https://www.purplemash.com/#app/guides/2Chart_Guide
Understand computer networks including the Internet; how they can provide	Topic based resources	Specifically Computer Networks Game Computer Networks Labelling Also Computing Topic Resources	

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multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration.	**2Email** Emailing, especially use of 2Respond Creator (see guide) to create simulations for children to respond to.	2Email	2Email Guide
	2Blog Blogging and commenting on blog posts within a safe environment	2Blog	https://www.purplemash.com/#app/guides/2Blog_pdf_Guide
	Real-time Collaborative tools in Purple Mash: **2Connect** **2Write** **2Race**	2Connect 2Write 2Race	https://www.purplemash.com/#app/guides/2Connect_Guide https://www.purplemash.com/#app/guides/2Race
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Searching for Images Internet Research Seeing an Upsetting Video - advice Effective Searching General Internet resources	Searching for images Internet Research Upsetting video advice Searching the Internet Computing Topic	Many of these activities provide introductory videos to start discussion. Most of these resources have 'Think about' boxes to promote class discussion and provide writing prompts. They also include relevant clipart.
Select, use and combine a variety of software (including	**2Publish Plus** (Publishing Templates)	2Publish Plus	Publishing Tools Guide

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internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	2Calculate (Spreadsheet)	2Calculate	2Calculate User Guide - Start here Resources including a Scheme of Work for Spreadsheets
	2Design And Make (3D Modelling)	2Design And Make	2Design and make Guide
	2DIY 3D (3D Game Creation)	2DIY 3D Gaming	2DIY 3D Gaming Guide
	Mashcams (Use your webcam to make topic themed images – combine with text)	Purple Mashcams	Publishing Tools Guide
	2Animate (Animation)	2Animate	2Animate Guide
	2Create A Story (Animated Stories)	2CreateAStory	2Create a Story Guide
	2Graph, 2Question, 2Investigate Simple programs for collecting, analysing, evaluating and presenting data and information	2Graph 2Question 2Investigate	2Graph Guide 2Question Guide 2Investigate Teachers Guide Lesson Plans and printable resources for 2Investigate
	2DIY (Make your own games and quizzes)	2DIY	

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	Various	Various, including topic based activities found in the Topic area.	Many tools and writing frames allow the user to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Internet Safety Activities	Computing Topic Resources - online safety section	Teachers Guide to Purple Mash and online safety Many of the activities provide introductory videos to start discussion. Most of these resources have 'Think about' boxes to promote class discussion and provide writing prompts. They also include relevant clipart.

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