Computing Long Term Overview

Year 1 - Long Term Overview

Autumn 1	Autumn 2
Digital Citizenship	Digital Literacy with elements of Creativity
Online Safety / PSHE	For KS1 Reference - BBC Computing
For KS1 Reference - BBC Computing	
Education for a Connected World / ICan Statements Education for a Connected World	Lots of hands on generic skills
Purplemash Unit1.1	Purplemash – 2Type - ongoing through all year groups
Books to start conversations - Chicken Clicking, Webster's bedtime - see book list	Purplemash -use 2Dos for home learning links Pictograms - Purplemash Unit1.3
recommendations in the appendices	Animated Stories - Purplemash Unit1.6
ThinkUKnow: Jessie & Friends Jessie & Friends	
Spring Term	
Focus: A	lgorithm
Computer Science With elements of IT	
For KS1 Reference - BBC Computing	
CS without a computer – Unplugged Activities	
Lots of practical learning & unplugged activities	2Go
Development of directional language	PurpleMash Unit1.7 - 2Code — See Year 1 lessons
BeeBot activities, debugging when things go wrong	plans & resources in teacher section
	Scratch Jr / Scratch 3
Ipad apps – BeeBot	
Summer 1	Summer 2
Information Technology with elements of DL	Greater Depth Project:
For KS1 Reference - BBC Computing	Digital Literacy / Computer Science
Logging on and off	PurpleMash 2Quiz / 2Publish / 2Create a story / 2Sequence
2DIY - Purplemash Unit1.2 & 1.4	Book Creator app
Technology outside school - Purplemash Unit1.9	Possible Project:
	Personal presentation – All About me

Year 2 - Long Term Overview

Autumn 1	Autumn 2
Digital Citizenship Online Safety / PSHE	Digital Literacy
For KS1 Reference - BBC Computing	with elements of DC
Education for a Connected World / ICan	Lots of hands on generic skills
Statements	Purplemash – 2Type
PurpleMash Unit2.2	Spreadsheets - PurpleMash Unit2.3
Books to start conversations Books to start	Creating Pictures - PurpleMash Unit2.6
conversations - see book list recommendations in	Making Music - PurpleMash Unit2.7
the appendices	Presenting Ideas - PurpleMash Unit2.8
Education for a Connected World	Purplemash -use 2Dos for home learning links
ThinkUKnow: Jessie & Friends, Lee & Kim	South a 2
Spring 1	Spring 2
	Focus Vocab: Events / Program
Computer Science With elements of IT	
For KS1 Reference – BBC Computing	
CS without a computer Unplugged Activities	
Lots of practical learning & unplugged activities	2Code – See Year 2 lessons plans & resources in
used in conjunction with very simple programming	teacher section of PurpleMash Unit2.1
Development of directional language	Online and Ipad – Scratch Junior , Daisy
BeeBot activities, debugging when things go wrong	Dinosaur, Kodable, Scratch 3
Seesse activities, actuageing time it timige go though	Dinissauly Rouadie, solution s
Summer 1	Summer 2
Information Technology with elements of DL	Greater Depth Project:
	Digital Literacy / Computer Science
Logging on and off	PurpleMash
	2Publish / 2Create a story
Effective searching - use PurpleMash unit2.5	Book Creator
Questioning - PurpleMash Unit2.4	Possible Project:
Questioning - Furpierriasti Office.4	Combining sound, images and video
	eg: Trailers in iMovie

Year 3 - Long Term Overview

Digital Citizenship Online Safety / PSHE For KS2 Reference – BBC Computing Books to start conversations - see book list recommendations in the appendices Education for a Connected World Regular digital footprint activities and use alongside www.Commonsensemedia.com Drip feed info to parents via school's social media Develop E-safety champions - children to present an assembly Awareness of popular apps such as Roblox, Tik Tok, friend trackers in snapchat, WhatsApp Spring Term Focus Vocab: Sequence Computer Science With elements of IT For KS2 Reference – BBC Computing CS without a computer – Unplugged Activities Use as many platforms as you can but teach to the same level. Vocab prompts - use the correct vocab PurpleMash Unit 3.1 -2Code LOGO - PurpleMash Unit 4.5 Summer 1 Summer 2 Information Technology with elements of DL For KS2 Reference – BBC Computing Use as many different platforms as possible and perform basic tasks (search the internet, input devices, saving work) look at similarities and differences. School email or purple mash 2email (talk about other ways to communicate) How email vorks https://www.bbc.co.uk/education/clips/zqsg4wx Email - Purplemash Unit3.5	Autumn 1	Autumn 2
For KS2 Reference - BBC Computing	Digital Citizenship	Digital Literacy
Books to start conversations - see book list recommendations in the appendices Education for a Connected World Regular digital footprint activities and use alongside www.Commonsensemedia.com Drip feed info to parents via school's social media Develop E-safety champions - children to present an assembly Awareness of popular apps such as Roblox, Tik Tok, friend trackers in snapchat, WhatsApp Spring Term Focus Vocab: Computer Science With elements of IT For KS2 Reference – BBC Computing CS without a computer – Unplugged Activities Use as many platforms as you can but teach to the same level. Vocab prompts - use the correct vocab PurpleMash Unit 3.4 Spreadsheets - PurpleMash Unit3.4 Spreadsheets - PurpleMash Unit3.5 Graphing - PurpleMash Unit3.8 Interviews Book creator Photostory / iMovie / Garageband Appropriate SICT's STEM project loan box Spring Term Focus Vocab: Sequence Computer Science With elements of IT For KS2 Reference – BBC Computing CS without a computer – Unplugged Activities Use as many platforms as you can but teach to the same level. Vocab prompts - use the correct vocab PurpleMash Unit3.1 - 2Code LOGO - PurpleMash Unit3.8 Online and Ipad – Scratch 3, Daisy Dinosaur, Kodable Greater Depth Project: Digital Literacy / Computer Science / STEM Drip KS2 Reference – BBC Computing Use as many different platforms as possible and perform basic tasks (search the internet, input devices, saving work) look at similarities and differences. School email or purple mash 2email (talk about other ways to communicate) How email work https://www.bbc.co.uk/education/clips/zqsg4wx Appropriate SICT's STEM project loan box PurpleMash PurpleMash Appropriate SICT's STEM project loan box Appropriate SICT's STEM projec	Online Safety / PSHE	with elements of Creativity
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Appropriate SICT's STEM project loan box		
Email - Purplemash Unit3.5 Appropriate SICT's STEM project loan box	https://www.bbc.co.uk/education/clips/zqsg4wx	Animation, Stop motion animation
	Email - Purplemash Unit3.5	Appropriate SICT's STEM project loan box

Year 4 - Long Term Overview

Autumn 1	Autumn 2
·	/ <u>-</u>
Digital Citizenship	Digital Literacy
Online Safety / PSHE	with elements of Creativity
For KS2 Reference – BBC Computing	For KS2 Reference – BBC Computing
Education for a Connected World / ICan Statements	Microsoft packages / School Blog
Books to start conversations - see book list	Purplemash – 2Type
recommendations in the appendices	Book creator Photostory / iMovie
Regular digital footprint activities and use alongside	Animation
www.Commonsensemedia.com	Picture collage
Drip feed info to parents via school's social media	Spreadsheets - PurpleMash Unit4.3
Develop E-safety champions - children to present an	Writing for Audiences - PurpleMash Unit4.4
assembly	
Awareness of popular apps such as Roblox, Tik Tok,	Green screen / Creating for younger audience
friend trackers in snapchat, WhatsApp	
	Appropriate SICT's STEM project loan box
Spring	Term
Focus Vocab: F	Repeats / Loops
Computer Science With elements of IT	
For KS2 Reference – BBC Computing	
CS without a computer – Unplugged Activities	
Use as many platforms as you can but teach to the	LOGO - PurpleMash Unit4.5
same level.	Purplemash – 2Code chimp level – free code
Vocab prompts - use the correct vocab	
Use lots of Free Code to develop deep learning around	2Code – See year4 lessons plans & resources in teacher
the vocab	section - PurpleMash Unit4.1
Skills learnt in one platform can then be transferred into	Scratch 3
another platform EG: Purplemash – Scratch 3	Online and Ipad – Kodable, Lightbot
Summer 1	Summer 2
Information Technology with elements of DL	Greater Depth Project:
For KS2 Reference – BBC Computing	Digital Literacy / Computer Science / STEM
Use as many different platforms as possible and	PurpleMash
perform basic tasks (search the internet, input devices,	2animate / ICan Animate
saving work) look at similarities and differences	Book Creator app
Search engines, safe searching and copyright	B
Find, save and import images and information from the	Possible Project:
internet	Computer generated Images (CGI)
How search works	Green screening
https://www.bbc.co.uk/education/clips/zwdxhyc	E.g. Dolnk, ICan Animate, Digital puppetry
Effective Searching- Purplemash Unit4.7 Hardware - Purplemash Unit4.8	E.g. Puppet pals app (paid version)
naruware - Purpiemasii Omit4.8	Appropriate SICT's STEM project loan box

Year 5 - Long Term Overview

Autumn 1	Autumn 2
Autumin 1	Autumii 2
Digital Citizenship -Online Safety / PSHE	Digital Literacy with elements of Creativity
For KS2 Reference – BBC Computing	For KS2 Reference – BBC Computing
Teach about Copyright, over sharing and self-esteem,	Microsoft packages / School Blog – becoming more
bullying, digital footprint, inappropriate material and the	aware of their audience
impact of their actions.	Purplemash – 2Type
Education for a Connected World / ICan Statements	Excel / Spreadsheets - PurpleMash Unit5.3
Bullying and impact of actions	Database - PurpleMash Unit5.4
Over sharing and self-esteem - Think You Know resource	
Books to start conversations - see book list	Book creator Photostory / iMovie
recommendations in the appendices	Garageband Animation
What is Copyright video-	Picture collage Interactive quiz, Green screen, Interviews
https://www.youtube.com/watch?v=suMza6Q8J08	Appropriate SICT's STEM project loan box
Spring Term	
Focus Vocab: Selection / Conditionals	
Computer Science With elements of IT For KS2 Reference – BBC Computing CS without a computer – Unplugged Activities	
Use as many platforms as you can but teach to the	Online and Ipad – Kodable, Lightbot, ALEX (app),
same level.	Hopscotch
Vocab prompts - use the correct vocab	After school club resource: Code Club
Use lots of Free Code to develop deep learning around the vocab	(free to register and lots of resources)
Skills learnt in one platform are then transferred into another platform EG: Purplemash –Scratch	https://scratch.mit.edu/ - maths quiz variables
another platform EG. Fulpiemash – Scratch	Kodu – free game developing software from Microsoft
PurpleMash Unit5.1 - 2Code — See year5 lessons plans	with teachers pack
& resources in teacher section	,
Purplemash – 2DIY & 2DIY3D	
Summer 1	Summer 2
Information Technology with elements of DL	Greater Depth Project:
For KS2 Reference – BBC Computing	Digital Literacy / Computer Science / STEM
Reinforce the basics of using technology in our everyday	PurpleMash
lives. Teach the difference between the internet and the	2DIY, 2DIY 3D, 2Quiz, 2Code
web, viruses and digital crimes.	Book Creator app
Use as many different platforms as possible and perform	
basic tasks (search the internet, input devices, saving	Possible Project: Game Creator
work) look at similarities and differences.	
School email, search engines, safe searching and copyright	Scratch 3, Kodu
Digital crimes PowerPoint – contact SICT	Creating games for younger audiences – ScratchJr
How does the internet work?	
now does the internet work:	
http://www.bbc.co.uk/guides/z3tbgk7	Appropriate SICT's STEM project loan box
	Appropriate SICI's STEM project loan box
http://www.bbc.co.uk/guides/z3tbgk7	Appropriate SIC1's STEM project loan box

Year 6 - Long Term Overview

Autumn 1	Autumn 2
Autumi	Autuninz
Digital Citizenship -Online Safety / PSHE	Digital Literacy with elements of Creativity
For KS2 Reference – BBC Computing	For KS2 Reference – BBC Computing
Teach about social networking sites, online gaming and	Microsoft packages School Blog – becoming more aware
different types of attention through debates and key	of their audience
questions	Excel/ Spreadsheets - PurpleMash Unit6.3
Education for a Connected World / ICan Statements	Rook creator Photostony / iMovie / Animation
Books to start conversations - see book list recommendations in the appendices	Book creator Photostory / iMovie / Animation Garageband
Digital footprint activity and Online safety debating	Picture collage
PEGI activity – PowerPoint, PEGI info and cards	Interactive quiz - PurpleMash Unit6.7
Exploring positive and negative attention – Jigsaw /	App building, Keep fit videos, Green screen, Interviews
Tom's Story videos	Creating for younger audience
https://www.commonsensemedia.org/	Appropriate SICT's STEM project loan box
Spring	Term
	: VARIABLES
Computer Science With elements of IT	
For KS2 Reference – BBC Computing CS without a comp	outer – Unplugged Activities
Use as many platforms as you can but teach to the same	Scratch3 - https://scratch.mit.edu/ - use in conjunction
level.	with other programming platforms
Vocab prompts - use the correct vocab	Kodu – Imaged based programming
Use lots of Free Code to develop deep learning around the vocab	
	Online and Ipad – Kodable, Lightbot, ALEX (app),
Skills learnt in one platform are then transferred into another platform EG: Purplemash and Scratch	Hopscotch After school club resource: Code Club
another platform EG. Purplemasir and Scratch	(free to register and lots of resources)
PurpleMash Unit6.1 & 6.5 - 2Code — See year 6 lessons	(index to register and lots of resources)
plans & resources in teacher section	
Purplemash – 2DIY & 2DIY3D	
C	C
Summer 1	Summer 2
Information Technology with elements of DL	Greater Depth Project:
For KS2 Reference – BBC Computing	Digital Literacy / Computer Science / STEM
Teach the history of computers and it's pioneers. Also	Possible Projects:
look at the future of technology – what would the	Memory Book of time in school
children like to see?	
Networks - PurpleMash Unit6.6	Children given the opportunity to plan and create using
Binary - PurpleMash Unit6.8	any software/app they have access to
Commenter III do not live all no	Create their own app – thunkable
Computer History timeline -	(will need a school Google account)
http://www.bbc.co.uk/timelines/zxsrcdm Computing Pioneers biographies -	This project would be an example of real world
	application of programming skills
https://www.thocp.net/biographies/biographies.htm#B Watch your day in the future – see video	Appropriate SICT's STEM project loan box
Trace. 13di day in the ratale - 3ee video	Appropriate sier s sterri project loan box