St. Katherine's Computing Overview

Year 1

Purple Mash

Term 1 Beebots and Routes

Purple Mash Unit 1.5

Maze Explorers (3

Purple Mash Unit 1.1

Online safety and

Exploring Purple

weeks) CS

2*G*o

CS - Computer Science IT- Information Technology DL - Digital Literacy Term 2 Term 3 Term 4 Term 5 Term 6 Coding Using technology to Using technology to Coding Using technology to Purple Mash Unit 1.7 Purple Mash Unit 1.4 sort. create. organise, sort, Coding (6 weeks) Purple Mash Unit 1.2 Purple Mash Unit 1.6 Lego Builders create and retrieve IT/CS Grouping and Sorting Animated Story Book (3weeks) CS Purple Mash Unit 1.3 2Code (2weeks) CS (5 weeks) IT **2DIY** Pictograms (3 weeks) Barefoot - Crazy 2Create A Story IT 2Count **SDIA** Unit 1.9 Technology Character Activity Outside School (2 Unit 1.8 Spreadsheets (3 -Bee Bots Tinkering weeks) DL

Online safety lesson plans Search and Access Resources * Year Group * Year One * Pelethondrips Search and Access Resources * Year Group * Year One * Pelethondrips Search and Access Resources * Year Group * Year One * Pelethondrips Search and Access Resources * Year Group * Year One * Pelethondrips Search and Access Resources * Year Group * Year One * Polline Bullying Iprojectevolve.co.uk) Year 2 Vear 2 Creating Content Purple Mash Unit 2.7 Online Safety (2weeks) DL Unit 2.6 Creating Pictures (5 weeks) IT 2Paint A Picture Dians Search and Access Resources * Year Group * Year One * Polline Bullying (projectevolve.co.uk) Unit 2.3 Spreadsheets (4 weeks) IT 2Calculate Barefoot - World Map Logic Activity C5 Vear 2 Online safety lesson plans Search and Access Resources * Year Group * Year		Mash (4 weeks) DL Barefoot - BeeBots 1,2,3 Activity	-Bee Buts Tinkering			WEEKS) DL	weeks) IT 2Count
Search and Access Search and Access Search and Access Resources Year Group Year One Health, Well-being and Lifestyle Search and Access Resources Year Group Year One Health, Well-being and Lifestyle Search and Access Resources Year Group Year One Copyright and Ownership Search and Access Year Group Year One Copyright and Ownership Search and Access Year Group Year One Copyright and Ownership Search and Access Year Group Year One Conline Relationships Search and Access Year Group Year One Privacy and Security Purple Mash Unit 2.1 Year Security Year One Privacy and Securit	<u>Year 1</u>		(C) T	(1) (1)			
Purple Mash Unit 2.2 Online Safety (2weeks) DL Unit 2.6 Creating Pictures (5 weeks) IT 2Paint A Picture Predicting Behaviours Purple Mash Unit 2.7 Making Music (3 weeks) IT 2Calculate Barefoot - World Map Logic Activity CS Purple Mash Unit 2.5 Effective Searching (3weeks) DL/IT Purple Mash Unit 2.1 Coding (5 weeks) CS 2Code Barefoot - Pizza Pickle Debugging Activity Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.1 Oding Ideas (4 weeks) IT Twinkl Purple Mash Unit 2.1 Purple Mas	plans Search and Access Resources ► Year	Search and Access Resources ► Year Group ► Year One ► Health, Wellbeing and Lifestyle	Search and Access Resources ► Year Group ► Year One ► Copyright and Ownership	Search and Access Resources ► Year Group ► Year One ► Online Bullying	Search and Access Resources ► Year Group ► Year One ► Online Relationships	Search and Access Resources ► Year Group ► Year One ► Privacy and Security	Resources ► Year Group ► Year One ► Managing Online Information
Online safety lesson plans Search and Access Search and Access Resources ▶ Year Group ▶	Year 2	Purple Mash Unit 2.2 Online Safety (2weeks) DL Unit 2.6 Creating Pictures (5 weeks) IT	Predicting Behaviours Purple Mash Unit 2.7 Making Music (3 weeks) IT 2Sequence Unit 2.3 Spreadsheets (4 weeks) IT 2Calculate Barefoot - World Map	Purple Mash Unit 2.5 Effective Searching	Purple Mash Unit 2.1 Coding (5 weeks) CS 2Code Barefoot - Pizza Pickle	Purple Mash Unit 2.8 Presenting Ideas (4 weeks) IT	create and retrieve Purple Mash Unit 2.4 Questioning (5 weeks) IT 2Question,
Group Identity Ide	Online safety lesson plans Search and Access Resources ► Year Group	Self-Image and Identity Search and Access Resources ► Year Group ► Year Two ► Self-Image and Identity	Online Relationships Search and Access Resources ► Year Group ► Year Two ► Online Relationships	Managing Online Information Search and Access Resources ► Year Group ► Year Two ► Managing Online Information	Privacy and Security Search and Access Resources ► Year Group ► Year Two ► Privacy and Security	Online Bullying Search and Access Resources ► Year Group ► Year Two ► Online Bullying	Health, Well-being and Lifestyle Search and Access Resources ► Year Group ► Year Two ► Health, Well- being and Lifestyle

St. Katherine's Computing Overview CS - Computer Science IT- Information Technology DL - Digital Literacy Coding Simulations Collecting and E-mail Creating Content Year 3 Presenting Purple Mash Unit 3.9 Purple Mash Unit 3.1 Purple Mash Unit 3.7 Presenting Data Purple Mash Unit 3.5 Purple Mash Unit 3.3 Purple Mash Coding (6 weeks) CS Purple Mash Unit 3.6 E-mail (6weeks) Spreadsheets (3 Presenting Simulations (3 (5-6 weeks) IT DL weeks) IT Branching (4weeks) weeks) CS Barefoot - Dinosaur CS/IT Fossil Animation 2Simulate, 2Publish, 2Question 2Calculate, Excel Twinkl planning Unit 3.8 Graphing (2 Activity weeks) IT PM Unit 3.4 Touch 2Graph, Excel typing (4 weeks) IT 2Type **(i) (i) (i) (i)** Year 3 **(i)** 0 A STORY Online safety lesson Self-Image and Identity Online Bullying plans Search and Access Resources ► Year Group ► Year Three Group ► Health, Well-being ► Self-Image and Managing Online Privacy and ▶ Online Online Bullying ProjectEVOLVE and Lifestyle (projectevolve.co.uk) Information Relationships Security Identity (projectevolve.co.uk) (projectevolve.co.uk) (projectevolve.co.uk) (projectevolve.co.uk) (projectevolve.co.uk) Purple Mash Unit 4.8 Purple Mash Unit 4.6 Purple Mash Unit 4.3 Purple Mash Unit 4.2 Coding Design Content Year 4 Purple Mash Unit 4.1 Hardware (2 weeks) Purple Mash Unit 4.4 Animation (3weeks) Spreadsheets (6 Online Safety (2 Coding (6 weeks) CS CS Writing for weeks) IT weeks) CS IT Programming different audiences 2Calculate Coding - Kodu CS 2Code 2Animate Unit 4.5 Logo (4 (5 weeks) IT Unit 4.7 Effective Barefoot - Classroom Searching (3 weeks) Sound Monitor weeks) CS Barefoot - Shapes CS/IT Scratch and Crystal Flowers Scratch **(i) (i) (i) (i)** (i) **(i)** Year 4 1 Online safety lesson Online Reputation Online Bullying Self-Image and Identity plans Search and Access Resources ► Year Group ► Resources ► Year Year Four ▶ Health, Well-Year Four ▶ Online Year Four ▶ Online Year Four ▶ Privacy and Year Four ▶ Online Year Four ► Self-Image Group | being and Lifestyle Reputation Relationships Security **Bullying** and Identity

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CS - Computer Science IT- Information Technology DL - Digital Literacy St. Katherine's Computing Overview Online Safety Databases Creating Content Spreadsheets Coding Use sequence. Year 5 Purple Mash Unit 5.1 Purple Mash Unit 5.2 Purple Mash Unit 5.4 Purple Mash Unit 5.5 selection, and Purple Mash Unit 5.3 Coding (6 weeks) Online Safety (2 Databases (4 weeks) Game Creator (5 Spreadsheet (6 repetition in weeks) DL/CS weeks) IT/CS weeks) IT CS/IT IT programs 2Code, Scratch -Unit 5.7 Concept 2Question, 2DIY 3D Purple Mash Unit 5.6 2Calculate Maps (4 weeks) IT 3D Modelling (4 Twinkl, code.org, 2Investigate Barefoot - Make a Barefoot - Viking Raid 2Connect Game project weeks) IT **Animation Activity** 2Design and Make, Barefoot - Bug in the Sketchup, Twinkl Water cycle **(i) (i) (i)** (i) Year 5 **(i)** (i) 124 ***** A CO Online safety lesson Self-Image and Identity Online Bullying Online Reputation plans Search and Access Resources ► Year Group ► Resources ► Year Year Five ► Health, Well-Year Five ► Online Year Five ► Online Bullving Year Five ► Self-Image and Year Five ► Online Year Five ► Managing Group I being and Lifestyle Relationships (projectevolve.co.uk) Identity Reputation **Online Information** (projectevolve.co.uk) (projectevolve.co.uk) ProjectEVOLVE (projectevolve.co.uk) (projectevolve.co.uk) (projectevolve.co.uk) Purple Mash Unit 6.4 Purple Mash Unit 6.7 Purple Mash Unit 6.6 Programming Coding Create Year 6 Purple Mash Unit 6.1 Content/Coding Blogging (4 weeks) Quizzing (6 weeks) Spreadsheets (5 Purple Mash Unit 6.8 Purple Mash Unit 6.5 Coding (6 weeks) weeks) IT Understanding IT IT Text Adventures (5 CS/IT 2Blog 2Quiz, 2DIY 2Calculate Binary (4weeks) weeks) IT/CS 2Code Unit 6.2 Online IT/CS Barefoot -2Code, 2Connect Code.org Safety (2 weeks) Introduction to 2Connect Scratch DL/IT HTML 1 Barefoot - Solar System Simulation **(i) (i) (i) (i)** (i) Year 6 **(i)** 0 Online safety lesson Self-Image and Identity Online Reputation Online Bullying plans Search and Access Resources ► Year Group ► Resources ► Year Year Six ► Health, Well-Year Six ► Online Year Six ► Online Bullying Year Six ► Privacy and Year Six ► Online Year Six ► Self-Image and Group | being and Lifestyle Reputation (projectevolve.co.uk) Security Relationships Identity

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Resources for	https://www.purplemash.com						
planning	https://barefootcas.org.uk/ lesson plans linked to NC statements (Also includes unplugged lessons for coding - no computers						
	needed)						
	ProjectEVOLVE - Education for a Connected World Resources						
	https://code.org/hourofcode/overview						
	https://www.kodugamelab.com/ (YR 3/4/5) coding						
	https://scratch.mit.edu/ (YR 4/5/6) coding						
	http://www.tynker.com/ coding						
	https://www.twinkl.co.uk						
Resources for	http://www.thinkuknow.co.uk/						
Online Safety	https://www.childnet.com/resources http://www.kidsmart.org.uk/						
	http://www.digizen.org/						
	https://www.saferinternet.org.uk/						
	https://www.bbc.com/bitesize						
	MTPS://www.bbc.com/bitesize						
Project Evolve							
Themes							
ProjectEVOLVE -							
Education for a							
Connected World	Self-Image and Identity Online Relationships Online Reputation Online Bullying						
Resources	Self-ifflage and identity						
	Managing Online Information Health, Well-being and Lifestyle Privacy and Security Copyright and Ownership						