

Stalmine Primary School Computing Curriculum: Overview

KS1 Year A					
Computing and Network Y1 Technology Around Us Y2 IT Around Us	Y1 Digital Painting	Y2 Digital Music	Y1: Grouping Data Y2: Pictograms	Programming Y1 Programming Animations	Programming Y2 Programming Quizzes
Y1 Computer Systems Algorithms Y2 Networks Computer Systems	Effective Use of Tools Creating Media	Creating Media Design and Development	Data and Information Effective Use of Tools	Programming Design and Development	Programming Design and Development
Laptop	Laptop	Laptop or Tablet	Y1 OFFLINE UNIT Y2 Desktop or Laptop	Laptop or Tablet (iPad)	Laptop or Tablet (iPad)
Y1 program: paintz.app (free)	Program: Microsoft Paint paintz.app	Chrome Music Lab	Y1 OFFLINE UNIT Y2 Purple Mash (on school network) – Maths; 2count or i2data Can also be taught offline.	Program: Scratch Jr or 2Animate (both available on ipads and school network)	Program: Scratch Jr or 2Animate (both available on ipads and school network)
	Art Links: Artist Study Piet Matisse; Mondrian; Kandinsky	Music Links: Rhythm Listening and Appraising	Link to Maths: Handling Data – can be taught to support Data Handling unit	Link to English: Tell a story / write a story to accompany animation	Link to Curriculum area of choice: Create a quiz
Project Evolve: Copyright & ownership; Health & Well-being	Project Evolve: Online Relationships; Online Bullying	Project Evolve: Copyright and ownership	Project Evolve: Copyright and Ownership; Privacy and Security	Project Evolve: Managing information online	Project Evolve: Online reputation

KS1 Year B					
Computing and Network Y1 Technology Around Us Y2 IT Around Us	Y1 Digital Writing	Algorithms Y1: Moving A Robot	Algorithms Y2: Robot Algorithms	Y2 Digital Photography	Y1: Grouping Data Y2: Pictograms
Y1 Computer Systems Algorithms Y2 Networks Computer Systems	Creating Media	Algorithms Programming	Algorithms Programming	Effective Use of Tools Creating Media	Data and Information Effective Use of Tools
Laptop	Laptop	Bee Bots	Bee Bots	iPads or Tablets	Y1 OFFLINE UNIT Y2 Desktop or Laptop
Y1 program: paintz.app (free)	Program: Microsoft Word (tablet)	Floor robot such as bee bots	Floor robot such as bee bots	Microsoft Paint https://pixlr.com/x/ iPads own editing features	Y1 OFFLINE UNIT Y2 Purple Mash (on school network) – Maths; 2count or i2data Can also be taught offline.
	Link to English Publish own work from English lessons or topic.	Link to Maths: Directions	Link to Maths: Directions	Link to Art: Portraits	Link to Maths: Handling Data – can be taught to support Data Handling unit
Project Evolve: Copyright & ownership; Health & Well-being	Project Evolve: Privacy and Security; Online bullying	Project Evolve Managing Online information	Project Evolve: Online Relationships; online reputation	Project Evolve: Copyright and ownership Image and identity	Project Evolve: Copyright and Ownership; Privacy and Security

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LKS2 Year A					
Computing and Network Y3 Connecting Computers Y4 The Internet	Programming Y3: Events and Actions	Y3 Desktop Publishing	Data and Information Y3: Branching Database	Data and Information Y4: Data Logging	Programming Y4: Repetition in Shapes
Computing Systems and Networks	Programming Design and Development Algorithms	Creating Media	Data and Information Effective Use of Tools	Data and Information Effective Use of Tools	Programming Design and Development Algorithms
Y3 Laptop Y4 Laptop or tablet	Laptop or tablet	Laptop	Offline	Some offline and Laptop and Data Loggers.	Laptop or tablet
Y3: paintz.app (free); school network Y4: the internet; Chrome Music Lab	Program: Purple Mash:2Logo or turtleacademy.com/playground	Program: Adobe Spark or Canva or Microsoft Publisher	OFFLINE	Laptop and Data Loggers	Program: Purple Mash:2Logo or turtleacademy.com/playground
	Link to Maths: 2D Shape and Direction	Links: Cover or page related to English work / topics / science	Link to Science: Databases; food webs; habitats	Link to Science: Databases; food webs; habitats	Link to Maths: 2D Shape and Direction
Project Evolve: Privacy and Security	Project Evolve: Online Relationships	Project Evolve: Copyright and ownership Managing online information	Project Evolve: Online Reputation	Project Evolve: Online Bullying	Project Evolve: Self-image and identity

LKS2 Year B					
Computing and Network Y3 Connecting Computers Y4 The Internet	Y3 Stop Frame Animation	Y4 Audio Production	Programming Y3: Sequencing Music	Photo Editing	Programming Y4: Repetition in Games
Computing Systems and Networks	Design and Development Creating Media	Design and Development Creating Media	Programming Design and Development	Design and Development Creative Media	Programming Design and Development
Y3 Laptop Y4 Laptop or tablet	Laptop or tablet	Laptop or tablet	Laptop or tablet	Laptop	Laptop or tablet
Y3: paintz.app (free); school network Y4: the internet; Chrome Music Lab	Program: Purple Mash 2Animate or iMotion	Program: Audacity	Scratch (NB Not Scratch Jr)	Program (Laptop): microsoft paint; microsoft image editor Program (iPad): edit option within photo app	Scratch (NB Not Scratch Jr)
	Link to English: Narrative Writing Animation of recent work.		Link to Maths: 2D Shape and Direction	Link to Art: Portraits; pop-art; digital photography	Link to Maths: 2D Shape and Direction
Project Evolve: Online Relationships Online Bullying	Project Evolve: Copyright and ownership Managing online information	Project Evolve: Copyright and ownership	Project Evolve: Online reputation	Project Evolve: Copyright and ownership Self-image and identity	Project Evolve: Privacy and Security

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UKS2 Year A					
Y5 Computing and Networking Sharing information	Y5 Video Production	Programming Selection in Physical Computing	Creating Media Y5 Vector Drawing	Programming Sensing	Creating Media Y6 3D Modelling
Computing Systems and Networks	Design and Development Creating Media	Algorithms Design and Development	Creating Media	Algorithms	
Laptops	iPads	Laptops	Laptop	Laptop and Micro:bit	Laptop
School network; pupil folders; class folder; Scratch	iMovie	Program: Crumble	Y5 Program: Publisher or PowerPoint	Program: https://microbit.org	Program: Tinkercad
	Link to English: Narrative Writing Non-fiction Report Writing	Link to DT and Science Electronic Systems CAD Design	Link to Art: Digital Art	Link to English Narrative Writing	Link to Art: Digital Art
Project Evolve: Y5 Copyright and ownership Healthy Well-being and lifestyle	Project Evolve: Managing online information; Online relationships; Online reputation; Self-image and identity	Project Evolve: Y5 & Y6 Self- image and identity	Project Evolve: Y6 Copyright and ownership	Project Evolve: Y5 and Y6 Online Bullying	Project Evolve: Y5 and Y6 Privacy and security

UKS2 Year B					
Y6 Computing and Networking Communication	Y5 Data and Information Spreadsheets	Programming Selection in Quizzes	Y6 Web Page Creation	Y6 Data and Information Flat-File Databases	Programming Variables in Games
Computing Systems and Networks	Data and Information	Algorithms Design and Development Creating media	Design and Development Creating Media	Data and Information	Algorithms Design and Development Creating media
Laptops	Laptop	Laptop or Tablet	Laptops	Laptop	Laptop or Tablet
School network; pupil folders; class folder; Scratch	Microsoft Excel	Program: Scratch	Program: Wordpress.org	Program: Purple Mash: 2Investigate	Program: Scratch
	Link to Maths: Formulas and Algebra	Link to English Narrative Writing	Link to English: Non-fiction texts	Link to Science or Topic work.	Link to English Narrative Writing
Project Evolve: Managing Online Information Online Reputation	Project Evolve: Y5 Health, Well- being and Lifestyle	Project Evolve: Privacy and Security	Project Evolve: Copyright and Ownership Online relationships	Project Evolve: Y2 Health, Well- being and Lifestyle	Project Evolve: Self-image and identity Online Bullying