St James' Church of England Primary School and Nursery

Computing Vocabulary Curriculum Map

	Autumn 1 2024
Year 1	NCCE – Computing systems and networks – Technology around us
Year 2	NCCE – Computing systems and networks – IT around us
Year 3	NCCE – Computing systems and networks – Connecting computers
Year 4	NCCE – Computing systems and networks – The Internet
Year 5	NCCE – Computing systems and networks – Systems and searching
Year 6	NCCE – Computing systems and networks – Communication and collaboration

Starting October/January 2024 – phased start to using Kapow to support the teaching of History

	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1 Theme	NCCE - Creating media - Digital painting	Data handling: Introduction to data (linked to favourite fruit or vegetables)	Online safety (3 safety rules) + WARRO story (Cyber Security)	Digital Imagery (linked to Chinese Dragon and puppets in DT)	
Year 1 Vocabulary	• paint program • Tool • Paintbrush • erase, • Fill • Undo • shape tools • line tool • fill tool • undo tool • Colour • brush style • brush size • Pictures	• bar chart • block graph • branching database • categorise • chart • click and drag • compare • count • data • data collection • data record • data representation	• Contact • Conduct • Content • Safe • Report	• background • blurred • camera • clear • crop • delete • device • digital camera • download • drag and drop • edit • editing software • filter • image	•

	• Painting • computers •	• edit • input • keyboard • line graph • mouse • information • label • pictogram • pie chart • process • record • resize • sort • table • tally • values		• import • internet • keyword • online • photograph • resize • save as • screen • search engine • sequence • software • storage space • visual effects	
Year 2 Theme	Nativity	Online safety (3 safety rules) + WARRO – Cyber Security	Data handling: International Space Station	Programming 2: ScratchJr	NCCE – Creating Media: Digital Photography (Moved due to Nativity in Autumn 2)
Year 2 Vocabulary		• algorithm • astronaut • column • data • digital content • essential • experiment • Goldilocks zone • interactive map • International Space Station • input • monitor • row • satellite • sensor • space	• Contact • Conduct • Content • Safe • Report	• Code • Instructions • Forward • Backward • Right • Left • Undo • Repeat	• device, • camera • photograph, • capture, • image, • digital, • landscape, • portrait, • framing, • subject, • compose, • light sources, • flash, • focus,

		• spreadsheet • survival • temperature • thermometer			• background, • editing, • filter, • format, framing, • lighting,
Year 3 Theme	NCCE Unit: Creating Media: Stop-frame animation	Online safety (3 safety rules) + **Cyber Sprinters** Practitioner-led activities - NCSC.GOV.UK (3 lessons)	Creating media: Video trailers (linked to class text)	Data handling: Comparison cards databases (linked to rainforest and planning a visit there)	Programming: Scratch
Year 3 Vocabulary	• Animation • flip book • Stopframe • Frame • Sequence • Image • photograph, • setting, • character, • events, • onion skinning • consistency, • evaluation, • delete, • media, • import, • transition.	• Contact • Conduct • Content • Safe • Report • accurate • age restrictions • autocomplete • belief • charity • content • digital device • fact • fake news • hoax • internet • internet of things • opinion • online emotions • organisation • permission • privacy settings • reliable • search • search engine • share	• Application • Camera angle • Clip • Cross blur • Cross fade • Cross zoom • Desktop • Digital device • Dip to black • Directional wipe • Edit • Film • Film editing software • Graphics • Import • Key events • Laptop • Music • Photo • Plan • Recording • Sound effects • Storyboard • Time code • Trailer • Transition	• Categorise • Category • Chart • Data • Database • Excel • Fields • Filter • Graph • Information • Interpret • PDF • Questionnaire • Record • Representation • Sort • Spreadsheet	• algorithm • animation • application • code • code block • debug • decompose • game • interface • loop • predict • program • remixing code • repetition code • review • Scratch • sprite • tinker

		• smart devices • social media platforms	• Video • Voiceover		
Year 4 Theme	Online safety (3 safety rules)	Programming 1: Further coding with Scratch	Creating media: Website design about childhood in Victorian and Tudor times facts)	**Cyber Sprinters** Practitioner-led activities - NCSC.GOV.UK (3 lessons)	Data handling: Investigating weather
Year 4 Vocabulary	• Contact • Conduct • Content • Safe • Report • accuracy • ad • advantage • advertisement • belief • bot • computer • disadvantage • distraction • fact • hashtag • Implications • in-app purchases • influencer • opinion • program • recommendation • reliable • risk • screen time • search results • snippets • sponsored • trustworthy	• code block • conditional • statement • coordinates • decompose • feature • information • negative number • orientation • position • program • project • script • sprite • stage • tinker • variable	• Assessment • Audience • Checklist • Collaboration • Content • Contribution • Create • Design • Embed • Evaluate • Features • Google Sites • Hobby • Homepage • Hyperlinks • Images • Insert • Online • Plan • Progress • Published • Record • Review • Style • Subpage • Tab • Theme • Web page • Website • World Wide Web	•	• accurate • climate zone • condensation • cylinder • degree Celsius • evaporation • extreme weather • filming • forecast • heat sensor • lightning • measurement • pinwheel • presenter • rain • satellite • script • sensor data • solar panel • temperature • thermometer • tornado • weather • weather forecast • wind speed

Year 5 Theme	NCCE – Creating Media: Filming techniques	Data handling: Mars Rover 1	Online safety (3 safety rules) + **Cyber Sprinters** Practitioner-led activities - NCSC.GOV.UK (3 lessons)	Computing systems and networks: Search engines (Shakespeare)	Creating media: Stop motion animation (woodland creatures)
Year 5 Vocabulary	• Video • Audio • camera • talking head • Panning • close up • video camera • Microphone • Lens • mid-range • long shot • Moving subject • side by side • angle (high, low, normal) • Static • Zoom • Pan • Tilt • Storyboard • Filming • Review • Import • Split • Trim • Clip • Edit • reshoot • delete, • reorder, • Export	• 8-bit binary • addition • ASCII • binary code • boolean • byte • CPU • data • data transmission • decimal numbers • discovery • distance • Hexadecimal • input • Mars Rover • the Moon • numerical data • output • planet • radio signal • RAM • scientist • sequence • signal • simulation • space • subtraction •	• accurate • advice • app • application • app permissions • biography • bullying • communication • emojis • health • in-app purchases • information • judgement • meme • mental health • mindfulness • negative contribution • online • online communication • opinion • organisation • password • personal information • positive contribution • real world • strong password • summarise	• Algorithm • Appropriate • Copyright • Correct • Credit • Data leak • Deceive • Fair • Fake • Inappropriate • Incorrect • Index • Information • Keywords • Network • Privacy • Rank • Real • Search engine • TASK • Web crawler • Website	• animation • animator • background • character • decomposition • design • digital device • edit • evaluate • flipbook • fluid movement • frames • model • moving images • onion skinning • still images • stop motion • storyboard • thaumatrope • zoetrope

	• Evaluate • share.		• support • trusted adult • well-being		
Year 6 Theme	Online Safety	Computing systems and networks: Bletchley Park (links back to last half term)	**Cyber Sprinters** Practitioner-led activities - NCSC.GOV.UK (3 lessons)		Skills showcase: Inventing a product (winner features on the £10 note)
Year 6 Vocabulary	• Conduct • Content • Contact • anonymity • antivirus • biometrics • block • consent • digital footprint • digital personality • financial information • hacking • inappropriate • malware • online bullying • online reputation • password • personal information • phishing • privacy settings • private • reliable source • report • respect • scammers • screen grab • screenshot	• Acrostic Code • Brute force hacking • Caesar cipher • Chip and pin system • Cipher • Code • Combination • Contribute • Convince • Date shift cipher • Discovery • Hero • Invention • Nth Letter Cipher • Password • Pig Latin • Pigpen cipher • Present • Scrambled • Secret • Secure • Technological advancement • Trial and error			• adaptadvert • algorithm • bugs • coding • debugging • design • edit • electronic • evaluate • facts • image rights • images • influence • information • inputs • loops • manipulation • opinions • output • photos • product • program • repetition • screenshot • search engine • selection • sequence • snippets

	• secure • selfie • software updates • two-factor authentication • URL • username •				• software • structures • variables • video • website