Computing Curriculum Policy September 2023

How we teach computing

Computing at Wroxall Primary is split into three main domains:

- Computer Science focusing on computational thinking through algorithms, programming and coding.
- Digital Literacy & Information Technology developing ICT life skills that enable children to become creators of digital content as well as consumers.
- Online Safety giving children the knowledge and skills that they will need to act as responsible and considerate digital citizens.

These skills are taught practically, with children having access to a wide range of IT equipment, from Bee-Bots and voice recorders to iPads and laptops. This ensures that children have the opportunity to experience a variety of technologies, and are able to apply their learning within an array of contexts.

Curriculum coverage and progression of skills in computing

Within each academic year, children will study a range of computing topics.

Within EYFS, computing is planned and accessed as part of a wide and varied play-based curriculum. In both Key Stage 1 and Key Stage 2, children are taught computing as a discrete subject, covering a specific topic each term.

The table below shows the computing topics that are currently delivered.

Online safety is taught alongside and in addition to computing, and cross-curricular links are made with RSHE when appropriate.

Computing Skills Progression EYFS Strand Year 1 Year 6 Year 2 Year 3 Year 4 Year 5 Pupils should be Pupils should be taught to use technology safely, respectfully and responsibly; recognise Pupils should be taught to use technology taught to use safely and respectfully, keeping personal acceptable/unacceptable behaviour, identify a range of ways to report concerns about content technology safely information private; identify where to go and contact. Be discerning in evaluating digital content. and respectfully, for help and support when they have keeping personal concerns about content or contact on the information private; internet or their online technologies. identify where to go for help and support when they have concerns about content or contact on the internet or their online technologies. • I can remember • I can keep my • I can explain • I can talk about I choose a • I protect my password and • I protect my why I need to keep rules without what makes a other personal information. password private. secure password password and • I can tell you what my password and when I am using a other personal • I can explain the needing an adult to secure password Digital remind them. personal personal and why they are website. information. consequences of sharing too Literacy & Einformation is. information • I can explain much about myself online. important. • I can talk about Safety • I can tell an adult • I can tell an adult private. • I can protect my the ways I can why I need to • I support my friends to when I see when I see • I can describe personal protect myself and protect myself and protect themselves and something something the things that information when I my friends from my friends and the make good choices online, harm online. unexpected or unexpected or happen online that do different things best ways to do including reporting concerns worrying online. worrying online. I must tell an adult online. • I use the safety this, including to an adult. • I can talk about about. • I can use the features of reporting concerns • I can explain the • I can show why it's important • I can talk about safety features of websites as well as to an adult. consequences of spending resilience and too much time online or on a to be kind and why I should go websites as well as reporting concerns I know that polite. perseverance in the online for a short reporting concerns to an adult. game. anything I post face of a challenge. amount of time. to an adult. I know that online can be seen, • I can explain the • I can recognise an age appropriate • I can talk about • I can recognise anything I post used and may consequences to myself and I can interact with website. websites and games online can be seen affect others. others of not communicating why it is important age-appropriate • I can agree and to be kind and by others. • I can talk about kindly and respectfully. appropriate for my computer software follow sensible epolite online and in age. I choose the dangers of • I protect my computer or on different devices, Safety rules. real life. • I can make good websites and spending too long device from harm on the such as a computer, online or playing a • I can begin to use • I know that not choices about how games that are Internet. long I spend online. a keybaord, mouse, everyone is who appropriate for my game. • I understand why it is they say they are • I ask an adult age. • I can explain the important for me to use and

tablet or interacti whiteboard	trackpad and touchscreen.	on the Internet. • I can use a keybaord, mouse, trackpad and touchscreen with more confidence.	before downloading files and games from the Internet. I can post positive comments online I understand why it is important for me to use and view only the apps, websites or films that are appropriate to my age I can use a keybaord, mouse, trackpad and touchscreen with more confidence.	• I can help my friends make good choices about the time they spend online. • I can talk about why I need to ask a trusted adult before downloading files and games from the Internet. • I comment positively and respectfully online. • I understand why it is important for me to use and view only the apps, websites or films that are appropriate to my age • I can use a keybaord, mouse, trackpad and touchscreen confidently	importance of communicating kindly and respectfully. • I can discuss the importance of choosing an ageappropriate website or game. • I can explain why I need to protect my computer or device from harm. • I know which resources on the Internet I can download and use. • I understand why it is important for me to use and view only the apps, websites or films that are appropriate to my age • I can use a mouse, trackpad	view only the apps, websites or films that are appropriate to my age. • I can use a mouse, trackpad and touchscreen confidently and can type on a keyboard at a reasonable rate of speed and accuracy.
				• I can use a keybaord, mouse, trackpad and	films that are appropriate to my age	

Strand		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
	Pupils should be	Pupils should be taugh	nt to understand		accomplish specific goals.			
	taught to operate	what algorithms are;		Pupils should be taught to design, write and debug programs that accomplish specific goals, including controlling or simulating				
	simple equipment,	how they are impleme	nted as programs			oosing them into small	ler parts. Use sequence,	
	e.g. turn on CD	on digital devices; and	. •	selection and repetition in programs;				
	player and use	that programs execute		-		out and output. Use log	gical reasoning to explain how	
	remote control.	precise and unambigu	-	some simple algorithn	-	·		
		instructions. Create ar	nd debug simple	to detect and correct	errors in algorithms ar	nd programs. Select, u	se and combine a variety of	
	•	programs. Use logical		software (including in	ternet services)			
		reasoning to predict th	ne behaviour of	on a range of digital de	evices to design and c	reate a range of progr	ams, systems and content that	
		simple programs.		accomplish given goal	S.			
	• I can make toys	• I can give	• I can give	• I can break an	• I can use logical	• I can decompose	• I can deconstruct a	
	work by pressing	instructions to my	instructions to my	open-ended	thinking to solve	a problem into	problem into smaller steps,	
	parts or lifting flaps	friend and follow	friend (using	problem up into	an open-ended	smaller parts to	recognising similarities to	
	to achieve effects	their instructions to	forward, backward	smaller parts.	problem by	design an	solutions used before.	
	such as sound,	move around.	and turn) and	• I can put	breaking it up into	algorithm for a	I can explain and program	
	movements or new	• I can describe	physically follow	programming	smaller parts.	specific outcome	each of the steps in my	
	images.	what happens when	their instructions.	commands into a	I can understand	and use this to	algorithm.	
	•I can complete a	I press buttons on a	• I can tell you the	sequence to achieve	and can use	write a program.	I can evaluate the	
	simple program on	robot.	order I need to do	a specific outcome.	selection (as well	• I can refine a	effectiveness and efficiency	
Programming	the computer or	• I can press the	things to make	I keep testing my	as sequence and	procedure using	of my algorithm while I	
	electronic device	buttons in the	something happen	program and can	repetition) in	repeat commands	continually test the	
	• I can think of ideas	correct order to	and talk about this	recognise when I	algorithms and	to improve a	programming of that	
	when using	make my robot do	as an algorithm.	need to debug it.	programming.	program.	algorithm.	
	technology, for	what I want.	• I can program a	I understand and	• I can use inputs	• I can understand	I can recognise when I	
	example, how to	• I can describe	robot or software	can use basic	to determine or	and use variables	need to use a variable to	
	make a	what actions I will	to do a particular	selection and	trigger an action	within my	achieve a required output.	
	programmable toy	need to do to make	task.	repetition in	within my	programming.	• I can use a variable and	
	move in different	something happen	• I can begin to	algorithms.	program.	• I can use input	operators to stop a program	
	direction.	and begin to use the	understand the	I can create and	• I know that I	to alter and affect	(and understand why	
	• I can test out my	word algorithm.	vocabulary and	describe the	need to keep	my variables.	'forever loops' can be	
	ideas and make	• I can begin to	importance of	algorithm I will need	testing my	I can confidently	inappropriate).	
	predictions	predict what will	sequence and	for a simple task.	program while I	use sequence,	I can use different inputs (in all dings appears) to	
	• I can change a	happen for a short	repetition.	• I can detect a	am putting it	selection and	(including sensors) to	
	strategy if needed.	sequence of	I can look at my friend's program	problem in an	together.	repetition within	control a device or onscreen action and predict what will	
	For example, trying a	instructions.	friend's program	algorithm which could result in	• I can use a	my algorithms and	•	
	different approach	I can begin to use software/apps to	and tell you what	unsuccessful	variety of tools to	programming. • I can design,	happen.	
	to use new device.	software/apps to	will happen.		create a program.	• I can design, build and program	I can use logical reasoning to detect and correct errors	
		create movement	• I can use	programming.	I can recognise an error in a	physical systems		
		and patterns on a	programming software to make				in a algorithms and	
		screen.	SULLWAIR TO IIIAKE		program and	using inputs,	programs.	

debug when I correct mistakes when I program.	objects move around the screen. • I can watch a program execute and spot where it goes wrong so that I can debug it.	debug it. I recognise an algorithm help me to sequence mo complex programs. I recognise using algorith will also help problems in o learning such Maths, Scien and Design a	I can use logical reasoning to detect and debug mistakes in a program. I use logical thinking, imagination and creativity to extend a program. I can use logical thinking in a since	
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Strand		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Strand Handling Data	Pupils should explore how to select and use technology for different purposes. I can talk about different types of technology and how it is used? I can show an understanding of a digital device and that the Internet can be a source of information? I can retrieve information from the Internet and know that it is safer to do so with adult supervision?	Pupils should be taugh purposefully to organise and manipulate organise and sount or an use technology to collect information, including photos, video and sound. I can sort different kinds of information and present it to others. I can add information to a pictograph and talk to you about what I have found out.	nt to use technology	Pupils should be taugh services) on a range o	nt to select, use and co f digital devices to nge of programs, syst nalysing, evaluating	ombine a variety of sof	Year 6 ftware (including internet accomplish given goals, • I can plan the process needed to investigate the world around me. • I can select the most effective tool to collect data for my investigation. • I can check the data I collect for accuracy and plausibility. • I can interpret the data I collect. • I can present the data I collect in an appropriate way. • I use the skills I have developed to interrogate a database.
			database. • I can tell you what kind of information I could	collected.	mends.	could be checked	
			use to help me investigate a question.				

Strand	• I can begin to use a keybaord, mouse, trackpad and touchscreen. • I can operate simple forms of technology, such as a CD player, remote control or touchscreen device • I can show interest in technological toys with moving parts • I can create using pictures or video, such as using a camera or device to take a video or a touchscreen device to draw a picture	Pupils should be taugh purposefully to create digital content I can be creative with different technology tools. I can use technology to create and present my ideas. I can use the keyboard or a word bank on my device to enter text. I can save information in a special place and retrieve it again.	0,	services) on a range o	rt to select, use and combined digital devices to onge of programs, systems I can use photos, video and sound to create an atmosphere when presenting to different audiences. I am confident to explore new media to extend what I can achieve. I can change the appearance of text to increase its effectiveness. I can create, modify and present documents for a particular purpose. I can use a keyboard confidently and make use of a spellchecker to write and review my work. I can use an appropriate tool to share my work and collaborate online. I can give	·	
Multimedia	take a video or a touchscreen device		people. • I can save and open files on the	spellchecker. I can evaluate my work and improve its effectiveness. I can use an appropriate tool to share my work	particular purpose. I can use a keyboard confidently and make use of a spellchecker to write and review my work. I can use an appropriate tool to share my work and collaborate online.	impact on others. • I can select an appropriate online or offline tool to create and share ideas. • I can review and improve my own work and support others to improve	tool for a specific purpose. I can be digitally discerning when evaluating the effectiveness of my own work and the work of

					Year 4		
Strand		Year 1	Year 2	Year 3		Year 5	Year 6
	Pupils should taught to show curiosity when exploring different types of technology and use their senses to explore new items of technology. Learning by trial and error – testing out new ideas to see how to make equipment work?	Pupils should be taugled purposefully to store and retrieve diginates recognise common uses of information teschool.	ital content and to	provide multiple servion the world wide web; a search technologies e	ces, such as and the opportunities they ffectively,	offer for communica	the internet; how they can tion and collaboration. Use evaluating digital content.
Technology in our lives	• I can represent my experiences of technology in my play, for example, role playing taking photos in a role-play area. • I can recognise ways that technology is used in my home and community. • I can begin to identify some of the benefits of using technology.	I can recognise the ways we use technology in our classroom. I can recognise ways that technology is used in my home and community. I can use links to websites to find information. I can begin to identify some of the benefits of using technology.	I can tell you why I use technology in the classroom. I can tell you why I use technology in my home and community. I am starting to understand that other people have created the information I use. I can identify benefits of using technology including finding information, creating and communicating. I can talk about the differences between the Internet and things in the physical world.	I can save and retrieve work on the Internet, the school network or my own device. I can talk about the parts of a computer. I can tell you ways to communicate with others online. I can describe the World Wide Web as the part of the Internet that contains websites. I can use search tools to find and use an appropriate website. I think about whether I can use images that I find online in my own work.	I can tell you whether a resource I am using is on the Internet, the school network or my own device. I can identify key words to use when searching safely on the World Wide Web. I think about the reliability of information I read on the World Wide Web. I can tell you how to check who owns photos, text and clipart. I can create a hyperlink to a resource on the World Wide Web.	I can describe different parts of the Internet. I can use different online communication tools for different purposes. I can use a search engine to find appropriate information and check its reliability. I can recognise and evaluate different types of information I find on the World Wide Web. I can describe the different parts of a webpage. I can find out who the information on a webpage belongs	I can tell you the Internet services I need to use for different purposes. I can describe how information is transported on the Internet. I can select an appropriate tool to communicate and collaborate online. I can talk about the way search results are selected and ranked. I can check the reliability of a website. I can tell you about copyright and acknowledge the sources of information that I find online.

Planning – a two- year cycle based on advice from Susie McAuley (STEM teacher and Bohunt Computer Hub, NCCE Primary Lead.)

Reception	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key Skills	IT	IT – Problem solving & Strategies	IT-Music	CS-Unplugged-Cooking	IT-Digital art	IT-Unplugged
- Use different digital devices Recognise that you can access content on a digital device Use a mouse, touchscreen or appropriate access device to target and select options on screen Recognise a selection of digital devices Recognise the basic parts of a computer, e.g. mouse, screen, keyboard Select a digital device to fulfil a specific task, e.g. to take a photo.	Technology around us https://www.ilearn2.co.uk/c omputerdiscoveryfree.html http://code-it.co.uk/wp- content/uploads/2015/05/b ankplan.pdf http://code-it.co.uk/wp- content/uploads/2015/05/su permarketplan.pdf http://www.crickweb.co.uk/ Early-Years.html https://www.nurseryworld.c o.uk/News/article/ict-in- role-play-check-it-out	Exploring and solving Problems Jigsaw Planet Insondable - Infantil Camión bomberos (jigsawplanet.com) Peg and Cat https://pbskids.org/peg/	Music creation https://www.ilearn2.co.uk/freeyear 1musiccreation.html/ https://springroll- tc.pbskids.org/music- maker/d01261dffc3c8f713fa5a22bb 99d7f9afd04cb56/release/index.ht ml https://musiclab.chromeexperimen ts.com/Voice-Spinner/	http://swaygrantham.co.uk/wp- content/uploads/2016/09/JamSand wichAlgorithm.pdf Pizza https://www.barefootcomputing.or g/docs/default-source/at-	Art https://www.i2e.com/jit5 Art and algorithms Talking Robots – Using QR codes https://www.computingatschool.org.u k/resources/2022/march/using-qr- codes-in-eyfs-and-beyond	Barefoot Computing Lego Building Crazy Characters Head, Shoulder, Knees and Toes Boats Ahoy Busy Bodies
	Technology Around Us (V1)	Digital Painting (Y1)	Moving a robot (Y1) (Cross	Rook Creator(Linked to tonic)	Introduction to Animation (V1)	Grouning data (V1) (Cross
Yr 1/2 Cycle A	Technology Around Us (Y1) Logging on https://teachcomputing.org/cu rriculum/key-stage- 1/computing-systems-and- networks-technology-around- us https://www.abcya.com/game s/find the tech Hello Ruby keyboard https://www.helloruby.com/pl ay/12 Paper computer http://www.helloruby.com/pla y/29 Role play areas with tech	Digital Painting (Y1) https://teachcomputing.org/curri culum/key-stage-1/creating- media-digital-painting https://www.j2e.com/jit5 Y1) Tuxpaint.org (Y2)	https://teachcomputing.org/curriculum/key-stage- 1/programming-a-moving-a- robot Plus Lesson 1, 2 and 3 https://teachcomputing.org/curriculum/key-stage- 1/programming-a-robot- algorithms	https://www.commonsense.org/education/lesson-plans/using-technology-to-enhance-an-all-about-me-book#1 https://www.commonsense.org/education/lesson-plans/creating-nonfiction-books-about-animals-in-book-creator Digital Photographs (Y2) (Cross curricular) https://teachcomputing.org/curriculum/key-stage-1/creating-media-digital-photography Digital Writing (Y1) (Cross curricular) https://teachcomputing.org/curriculum/key-stage-1/creating-media-digital-photography Digital Writing (Y1) (Cross curricular) https://teachcomputing.org/curricular/writing Web-https://www.j2e.com/jit5	Introduction to Animation (Y1) https://teachcomputing.org/curriculum /key-stage-1/programming-b- introduction-to-animation An introduction to quizzes(Y2) https://teachcomputing.org/curriculum/ key-stage-1/programming-b-an- introduction-to-quizzes	Grouping data (Y1) (Cross curricular) https://teachcomputing.org/curricul um/key-stage-1/data-and- information-grouping-data Pictograms (Y2)(Cross Curricular) https://teachcomputing.org/curricul um/key-stage-1/data-and- information-pictograms https://www.ilearn2.co.uk/free year-2-data-handling.html https://toytheater.com/category/m ath-games/graphing/

Yr 1 / 2 Cycle B	Technology Around Us (Y2) Logging on https://www.abcya.com/game s/find the tech https://teachcomputing.org/cu rriculum key-stage-1/computing- systems-and-networks- technology-around-us	Making Music (Y2) https://teachcomputing.org/curri culum/key-stage-1/creating- media-making-music https://www.ilearn2.co.uk/freeye ar1musiccreation.html Keezy drummer	Moving a robot (Y1) (Cross curricular and ideally with an alternative to Beebots https://teachcomputing.org/curriculum/key-stage-1/programming-a-moving-a-robot Plus Lesson 1, 2 and 3 https://teachcomputing.org/curriculum/key-stage-1/programming-a-robot-algorithms	Book Creator(Linked to topic) https://www.commonsense.org/educ ation/lesson-plans/using-technology- to-enhance-an-all-about-me-book#1 https://www.commonsense.org/educ ation/lesson-plans/creating- nonfiction-books-about-animals-in- book-creator Digital Photographs (Y2) (Cross curricular) https://teachcomputing.org/curriculu m/key-stage-1/creating-media-digital- photography Digital Writing (Y1) (Cross curricular) https://teachcomputing.org/curriculu m/key-stage-1/creating-media-digital- writing Web-https://www.j2e.com/jit5	Programming - Dance Unplugged	Grouping data (Y1) (Cross curricular) https://teachcomputing.org/curricul um/key-stage-1/data-and- information-grouping-data Pictograms (Y2)(Cross Curricular) https://teachcomputing.org/curricul um/key-stage-1/data-and- information-pictograms https://www.ilearn2.co.uk/free year-2-data-handling.html https://toytheater.com/category/m ath-games/graphing/
Yr 3/4 Cycle A	Systems and networks-The internet (Y4) https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet http://code-it.co.uk/netintsearch	Programming- Sequence in music (Y3) https://teachcomputing.org/curriculum/key-stage-2/programming-a-sequence-in-music Start with some tutorials https://scratch.mit.edu/projects/editor/?tutorial=getStarted Y4 Include a repeat or forever block or try the below tutorial https://projects.raspberrypi.org/en/projects/butterfly-garden	Creating media- desktop publishing Adobe Spark (Cross curricular)(Y3) https://teachcomputing.org/curr iculum/key-stage-2/creating- media-desktop-publishing	Programming- events and actions(Y3) https://teachcomputing.org/curriculu m/key-stage-2/programming-b- events-and-actions https://studio.code.org/s/coursec- 2020/stage/15/puzzle/1	Creating media- photo editing (Cross curricular) (Y4) https://teachcomputing.org/curriculum/ key-stage-2/creating-media-photo- editing https://pixlr.com/x/	Creating media- stop-frame animation (Cross curricular)(Y3) https://teachcomputing.org/curriculum/key-stage-2/creating-media-animation
Yr 3/4 Cycle B	Creating media-Branching database (Cross curricular) https://teachcomputing.org/curriculum/key-stage-2/data-and-information-branching-databases	Programming-Repetition Repeat loops https://scratch.mit.edu/projects/editor/?tutorial=getStarted https://teachcomputing.org/curriculum/key-stage-2/programming-b-repetition-in-games	Creating media- desktop publishing Canva (Cross curricular) https://teachcomputing.org/curr iculum/key-stage-2/creating- media-desktop-publishing	Programming- Repetition https://studio.code.org/s/dance- 2019/stage/1/puzzle/1 Extension Y4 https://studio.code.org/s/dance- extras-2019/stage/1/puzzle/1 Extension Y4 https://projects.raspberrypi.org/en/pr ojects/flower-generator Rapid router https://www.codeforlife.education/t each/materials/ https://www.stem.org.uk/resources/ elibrary/resource/36164/session- one-recap-using-simple-repeat-loop	Creating media-Audio editing (Cross curricular) https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing	Creating media Comic Creation (Cross curricular) https://www.ilearn2.co.uk/comiccreationteacherfree.html https://www.makebeliefscomix.com/Comix/

Yr 5/ 6 Cycle A	Systems and networks- Communication (Y6) https://teachcomputing.org/c urriculum/key-stage- 2/computing-systems-and- networks-communication	Programming- Selection in quizzes(Y5) https://teachcomputing.org/curriculum/key-stage- 2/programming-b-selection-in-quizzes https://projects.raspberrypi.org/en/projects/dodgeball Y6 extend to variables https://projects.raspberrypi.org/en/projects/ghostbusters	Creating media-video editing (Cross curricular)(Y5) https://teachcomputing.org/curriculum/key-stage-2/creating-media-video-editing	Programming- Selection using Physical devices (Cross curricular) (Y5) https://teachcomputing.org/curriculum/key-stage-2/programming-a-selection-in-physical-computing Y6-extend to variables	Creating media-3D Modelling (Cross curricular)(Y6) https://teachcomputing.org/curriculum/key-stage-2/creating-media-3d-modelling	Data and information- Spreadsheets(Y6) https://teachcomputing.org/curricul um/key-stage-2/data-and- information-spreadsheets
Yr 5/ 6 Cycle B	Creating media-Flat file databases(Y5) https://teachcomputing.org/curriculum/key-stage-2/data-and-information-flat-file-databases https://www.canyoucompute.co.uk/uploads/1/4/2/4/14249012/1_top_trumps_hw.pdf	Programming-Variables(Y6) https://teachcomputing.org/curri culum/key-stage-2/programming- a-variables-in-games and/ or https://www.ilearn2.co.uk/free scratch-tennis-student.html/ Use these as tutorials if needed https://projects.raspberrypi.org/e n/projects/flappy-parrot https://projects.raspberrypi.org/e n/projects/ghostbusters Score https://projects.raspberrypi .org/en/projects/flappy-parrot https://csfirst.withgoogle.com/c/c s-first/en/game- design/overview.html	Creating media-Web page design (Cross curricular)(Y6) https://teachcomputing.org/curriculum/key-stage-2/creating-media-web-page-creation	Programming- Variables using Physical devices (Cross curricular)(Y6) Year 5-Focus on selection https://teachcomputing.org/curriculu m/key-stage-2/programming-b- sensing	Creating media-Vector drawing (Y5) https://teachcomputing.org/curriculum/ key-stage-2/creating-media-vector- drawing	Programming-Python Code Combat https://codecombat.com/teachers /resources/cs1

Enriching the computing curriculum

Children will be offered a number of computing related activities that allow them to apply their learning to solve real-world problems. For example they could be asked to use SketchUp to design a bridge over the River Medina, or write a simple programme to display a message to the astronauts on board the International Space Station.

Teachers are encouraged to make links between their current curriculum topics and computing. They will consider how the computing topics that they are delivering can best represent any knowledge or learning that has taken place. For example, it may be appropriate that when teaching about the Romans in history, children will be taught to plan, design and code an animation in Scratch that demonstrates their historical understanding alongside their computing skills. Or when children have been taught a new skill in Gymnastics, they are encouraged to create and host a vlog that demonstrates this.

How we plan learning in computing

Computer Science and Digital Literacy & Information Technology planning is formed from a combination of resources from NCCE (National Centre for Computing Education), Scratch and the websites www.barefootcas.org.uk and www.code-it.co.uk. These resources are used to inform and support the planning of lessons that scaffold and challenge pupils to develop their computational thinking and build familiarity with a variety of software and hardware. Planning is developed by class teachers to best suit the needs of individual classes or groups of children, and is tailored to their interests and abilities.

Online safety resources are sourced from the SWGFL Digital Literacy and Citizenship units and ensure that children know how to stay safe online and make smart choices when using the internet.

Children with SEND

At Wroxall our aim is that a broad and balanced curriculum with support and challenge should be accessible to all children, including those with SEND. Children who are identified as having SEND or additional needs will have an individual support plan. The provision and targets identified within the plan may well have relevance to learning in computing as well as English or Maths. As such the class teacher will seek to differentiate learning within lessons to ensure its accessibility to all children. Support could include: finding alternative ways of recording understanding, reducing the need for writing if possible/appropriate; using visual cues/checklists to support learning; overtly teaching associated vocabulary; providing split-inputs where needed.

How we assess learning in computing

Learning is assessed regularly and formatively through observation of children's approaches to computational thinking, information technology and online safety. At the end of each unit, teachers will review children's work and make a judgement against the National Curriculum statements. For non-end of key stage year groups, these statements have been adapted to allow for progression within and across year groups.