



Holy Trinity  
C of E (VC)  
Primary School  
Halstead

# Computing PROGRESSION MAP

September 2022

[www.holytrinityhalstead.com](http://www.holytrinityhalstead.com)

# Holy Trinity C of E (VC) Primary School - Computing Curriculum Overview

## Year 1

Autumn 1						Autumn 2				Spring 1			Spring 2					Summer 1				Summer 2					
Switch on/off a laptop safely.	Retrieve a laptop ensuring it is left tidy.	Return a laptop ensuring it is left charging.	Manipulate the trackpad consistently.	Login with a prompt	Login without a prompt	E - Talk about OK OFF TELL	Click buttons to move around a website	Explore an online simulation or game	Make simple changes to an online simulation or game	Use other online content from Tabecat	Create a simple picture using a paint package	Save	Make a pictogram or simple graph	Talk about computers outside school	Create physical algorithms	Manipulate a simulated turtle	Manipulate a floor robot	Explain what an algorithm is	Use a digital camera to take a photo	Use a digital camera to record a video	Create simple sounds on a computer	Know what e-safety is and who Tabecat is.	Create a more complex image using a paint package	Resave work having improved it	Add a caption to a photograph or image	Change text size.	Talk about some of our e-safety rules.
							MiniMash	MiniMash	MiniMash	Sumdog etc.	2Paint	2Paint	2Count		Code.org Offline	2Go	Beebots				2Explore/Beat/Sequence		2PaintA Picture	2PaintA Picture	2Publish	2Publish	Tabecat says...
111	112	113	114	115	116	117	121	122	123	124	131	132	133	141	142	143	144	145	151	152	153	154	161	162	163	164	165

## Year 2

Autumn 1						Autumn 2			Spring 1			Spring 2				Summer 1				Summer 2		
Create & edit images using a paint package.	Save to specific folder	Use forward, back & refresh in a browser	Minimise & maximise windows	Zoom view web pages	Develop typing skills	Understand the importance of keeping passwords secret	Create a simple newspaper or poster with heading	Change text size, font style & colour.	Use Ctrl keys & menus for Copy, Paste, Delete	Create a presentation relating to a story or information	Use sounds in a presentation	Name any personal information that should be kept private	Explain what an algorithm is AND how they are used	Use algorithms to make a simulated turtle move	Use algorithms to make a floor robot move	Talk about your favourite websites/apps/games	Identify any risk using the internet	Search for information on the internet	Talk about how 'control tech' is used in the real world	Create simple animations online	Use basic 'blockly' platform.	Use a digital camera to take photos with a specific focus
2PaintA Picture					2Type		2Publish	2Publish	2Publish	2Create AStory	2Create AStory			2Go	BeeBots			Kiddle		2Animate	code.org	
211	212	213	214	215	216	217	221	222	223	231	232	233	241	242	243	245	251	252	253	254	261	262

## Year 3

Autumn 1				Autumn 2				Spring 1				Spring 2			Summer 1		Summer 2		
Use Ctrl keys & menus for formatting, saving & printing	Change the layout or format of a page	Use a spreadsheet to record data & use a formula to calculate	Use the network & cloud to store files	Talk about e-safety rules & strategies to stay safe	Use a data-logger to capture measurements	Collect data to use in a graph & create one	Use a database to answer questions	Create different types of graphs	Send, receive & reply to an e-mail	Know the difference between browsing & searching	Put a web address into the address bar	What should you do if content is upsetting. Who can you talk to?	Explain what an algorithm is	Predict & explore the effects of changing a simulation	Understand basic coding principles: program not individual actions	Create an animation to tell a story	Identify online strangers	Create a simple presentation	Insert and edit a table
Google Docs	Google Docs	Google Sheets				Google Sheets	2Investigate	2Investigate	GMail					2Code	2Code	2Animate		Google Slides	Google Slides
311	312	313	314	315	321	322	323	324	331	332	333	334	341	342	343	351	352	361	362

# Holy Trinity C of E (VC) Primary School - Computing Curriculum Overview

## Year 4

Autumn 1				Autumn 2		Spring 1		Spring 2		Summer 1					Summer 2		
Explain what an avatar or online alias is	Create, edit & export vector graphics.	Create your own online avatar	Explain what a 'digital tattoo' is	Create your own game, sim or app using given tools	Move or change a character in a game	Create or contribute to a blog or online discussion	Use a spell checker, thesaurus and F&R	Create complex sounds online	Edit sound files	Distinguish fact, fiction & opinion on the internet	Check two different websites to check they are correct	Use keywords to search the internet	Know what to look for when choosing searched for pages	Talk about what to do about concerns with online contacts	Edit a photograph (crop, resize, effects, borders)	Manipulate an image	Organise files & folders
	Google Draw	Google Draw		2DIY3D	2DIY3D	TBC		O-Gen	Audacity						Google Docs/Photos	Dazzle/Paint NET	Google Drive/Network
411	412	413	414	421	422	431	432	441	442	451	452	453	454	455	462	463	464

## Year 5

Autumn 1					Autumn 2			Spring 1			Spring 2	Summer 1		Summer 2	
Write a flow diagram using inputs & outputs	Use subroutines in a flow diagram to ease organisation	Add a hyperlink in a presentation	Use transitions & animations in presentations	Know about copyright, plagiarism and permissions	Create a shape or pattern using algorithms (eg Logo)	Make a pattern by using 'procedures'	Find simple errors in algorithms	Be able to create, edit and explain algorithms.	Design your own game, sim or app using graphic coding (Spr 2 ref: KH)	Explain our e-safety rules	Create your own website using WYSIWYG & html	Create physical animations	Keep personal information private online	Create a simple video using video editing software	Add still images & sound to a video
2Chart	2Chart	Google Slides	Google Slides		2Logo	2Logo	2Logo	2Code	code.org		TBC			MovieMaker	MovieMaker
511	512	513	514	515	521	522	523	531	532	533	541	551	552	561	562

## Year 6

Autumn 1				Autumn 2		Spring 1	Spring 2	Summer 1	Summer 2		
Use conditional formatting to enhance spreadsheets	Explain how the internet search engines work	Explain about different types of network	Talk about ways companies try to sell us things online	Debug more complex errors in a piece of code.	Use knowledge of coding to solve given problems	Create a complex video using video editing software	Add multimedia to a presentation from a variety of sources	Use online tools to manipulate physical equipment using physical algorithms	Use algorithms to complete given tasks using physical equipment.	Recap e-safety rules - Transition to Secondary	Make informed decisions about software & hardware to use
Google Sheets				2Code/code.org	2Code/code.org	MovieMaker	MovieMaker	micro:BITS	Floor Robots	Tabcat/Internet Heroes	
611	612	613	614	615	616	621	622	631	641	651	661