

## Woodford Valley Computing Overview

Year	Units	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<b>Area: Understanding the World</b>	Know who can help keep me safe at home and in school.	Know who to speak to in order to keep safe when using technology. Stop, close, tell!	Know what Hector the dolphin does on the laptops to keep us safe.		Know what is kind and unkind behaviour. <b>Book: Troll stinks!</b> <b>Jeanne Willis Tony Ross</b>	
	<b>Computing Skills:</b>	<b>Information Technology:</b> Use a touch screen to drag objects on the Smart Board.	<b>Computer Systems:</b> Name some different types of technology.	<b>Creating Media:</b> Take a good photo. Create a digital picture (e.g. using paint)	<b>Information Technology:</b> Turn on a laptop. Sign into a laptop.	<b>Information Technology:</b> Fine motor skills: Use a keyboard to type my name.	<b>Computer Science:</b> Follow simple, verbal algorithms. Use a Beebot.
1	<b>Digital Literacy &amp; Online Safety (Twinkl unit)</b>	Create, name and date a piece of digital work.	Know how to use Hector and what to do if you see something you are not comfortable with online.	Understand how to search safely on the internet.	Understand how to communicate safely online. <b>Book: Penguin Pig by Stuart Spendlow</b>	Understand what personal information I must keep safe. <b>Book: Once upon a time online.</b>	Give other people advice to help keep them safe online.
	<b>Teach Computing Units</b>		<b>Computer Systems and Networks:</b> Technology around us	<b>Information Technology &amp; Creative Media:</b> Digital Painting	<b>Computer Science:</b> Programming A: Moving a Robot	<b>Computer Science:</b> Programming B - Animations Laptop Skills: Turn on a laptop and sign in. Open the internet. Load Scratch Jr.	<b>Optional: Creating Media:</b> Digital Writing
2	<b>Digital Literacy &amp; Online Safety (Twinkl Unit)</b>	Understand the information I put online leaves a digital footprint.	Know how to open a search engine Use keywords in an online search to find information about a topic	Recognise whether a website is appropriate for children	To rate and review informative websites	To identify kind and unkind behaviour online. <b>Book: Websters Email by Hannah Whaley</b>	To apply knowledge of safe and sensible online activities to different situations (game)
	<b>Teach Computing Units</b>	<b>Computer Systems and Networks:</b> Information Technology around us,	<b>Computer Science:</b> Programming A- Robot Algorithms	<b>Data and Information:</b> Pictograms	<b>Information Technology:</b> Turn on a laptop & sign in. Open the internet and use a search engine to find info. Open a Word or PPT document. Develop typing skills. (cross curricular link)	<b>Computer Science:</b> Programming B - Quizzes (Scratch Jnr)	<b>Optional Unit: Creating Media:</b> Digital Photography (cross curricular link with Art)
3	<b>Digital Literacy &amp; Online Safety (Teachicnt)</b>	Device free moments <a href="https://teachicnt.org.uk/digital-literacy-and-online-safety-year-3/">https://teachicnt.org.uk/digital-literacy-and-online-safety-year-3/</a> <b>Book: Old Macdonald had a phone</b>	That's private	Digital trails	Who's in your online community? <b>Book: Chicken Clicking by Jeanne Willis and Tony Ross</b>	Putting a STOP to online meanness	Let's give credit
	<b>Teach Computing Units</b>	<b>Computer Systems and Networks:</b> Connecting Computers	<b>Information Technology &amp; Creative Media:</b> Stop Frame Animation	<b>Computer Science:</b> Programming A- Sequencing Sounds	<b>Computer Science:</b> Programming B- Events and Actions in programs	<b>Information Technology &amp; Creative Media:</b> Making Music (taught by CO in Music)	<b>Creating Media:</b> Desktop Publishing Unit

4	Digital Literacy & Online Safety (teachictnt)	Your rings of responsibility <a href="https://teachictnt.org.uk/digital-literacy-and-online-safety-year-4/">https://teachictnt.org.uk/digital-literacy-and-online-safety-year-4/</a>	Password Power Up	This is me	Our digital citizen pledge	The power of words Book: <b>A technology tail</b> by Julia Cook	Is seeing believing?
	Teach Computing Units	Computer Systems and Networks: The Internet	Information Technology: MS Word and PPT skills: Copy & paste a picture Create a text box Use WordArt	Information Technology & Creative Media: Photo Editing.		Computer Science: Programming A- Repetition in shapes (LOGO)	Computer Science: Programming B- Repetition in Games.
5	Digital Literacy & Online Safety (Teachictnt)	My Media Choices <a href="https://teachictnt.org.uk/digital-literacy-and-online-safety-year-5/">https://teachictnt.org.uk/digital-literacy-and-online-safety-year-5/</a>	Private and Personal Information	Our Online Tracks Book: <b>Goldilocks (a hashtag cautionary tale)</b>	Keeping games fun and friendly	Be a super digital citizen	A creator's rights and responsibilities
	Teach Computing Unit	Computer Systems and networks: Systems and Searching. Book: <b>Can you break the internet?</b>	Computer Science: Programming A Selection in Physical Computing (Crumbles)	Computer Science: Y4 Programming B - repetition in games (2024-2025 only)	Data and Information: Flat file databases Intro to Spreadsheets (Y6 unit)	Creating Media: Introduction to Vector Graphics (Google Drawings)	Computer Science: Programming B Selection in Quizzes (Scratch)
6	Digital Literacy & Online Safety (Teachictnt)	Finding my media balance <a href="https://teachictnt.org.uk/digital-literacy-and-online-safety-year-6/">https://teachictnt.org.uk/digital-literacy-and-online-safety-year-6/</a>	We won't believe this!	Beyond Gender Stereotypes	Digital Friendships	Is it Cyberbullying?	Reading News Online
	Teach Computing Units	Computer Systems and Networks: Communication and Collaboration (condensed) Book: <b>Why are there different computer languages?</b> Programming B Y4 (2024 only)	Computer Science and DT: DT Project- Create a Crumble Christmas Tree/ Christmas House.	Computer Science: Programming A- Variables in games	Creating Media: 3D modelling. (Tinkercad/ Sketch Up)	Computer Science: Programming B- Sensing movement	Create media: Web page creation (cross curricular link with History)