High Ercall Primary School	
Long Term Plan for Computing	
Subject Leader: Rachael Preston	**Date: July 2024**

E-Safety

When teaching E-Safety, please use https://projectevolve.co.uk/ and refer to the E-Safety Overview in the Computing file for specific lessons. Children must sign the Pupil E-Safety Agreement in their first lesson. Please recap the indicated e-safety lesson at the beginning of each unit.

Computing

Please use https://teachcomputing.org/ to download your unit of work. Any specified Twinkl units have been downloaded in the Computing file.

Substantive Concepts: The substantive concepts are detailed below.

Disciplinary Concepts: The disciplinary concepts are identified unit headings in bold.

Year A (2023 - 2024)						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Class 1	E-Safety	**Privacy and Security** – E-Safety **Programming A** – Moving a robot (Y1) BeeBots	**Online Relationships** – E-Safety **Programming B** – Introduction to animation (Y1) Scratch Jr	**Managing Online Information** – E-Safety **Computer Navigation** – Computer Skills (Twinkl Y1) Laptops	**Online Reputation** – E-Safety **Computing systems and networks** – Technology around us (Y1) Paintz.app	**Self-image and Identity** – E-Safety **Creating media** – Digital painting (Y1) Paintz.app
Substantive concepts	Digital Literacy	Computer Science	Computer Science	Information Technology	Digital Literacy	Information Technology
Class 2	E-Safety	**Privacy and Security** – E-Safety **Computing systems and networks** – IT around us (Y2) Unplugged	**Online Relationships** – E-Safety **Creating media** – Digital photography (Y2) iPad photos	**Managing Online Information** – E-Safety **Programming A** – Robot algorithms (Y2) Beebots	**Online Reputation** – E-Safety **Programming B** – Programming Quizzes (Y2) Scratch Jr	**Self-image and Identity** – E-Safety **Computer Navigation** – Presentation Skills (Twinkl Y2) Microsoft Publisher
Substantive concepts	Digital Literacy	Digital Literacy	Information Technology	Computer Science	Computer Science	Information Technology
Class 3	E-Safety	**Privacy and Security** – E-Safety **Creating media** – Photo editing (Y4) Paint.net	**Online Relationships** – E-Safety **Computing systems and networks** – Connecting computers (Y3) Unplugged	**Managing Online Information** – E-Safety **Creating Media** – Desktop Publishing (Y3) Canva	**Online Reputation** – E-Safety **Programming A** – Sequence in music (Y3) Scratch	**Self-image and Identity** – E-Safety **Microsoft processing** - Word Processing (Twinkl Y3) Microsoft Word
Substantive concepts	Digital Literacy	Information Technology	Digital Literacy	Digital Literacy	Computer Science	Information Technology

Class 4	E-Safety	Privacy and Security – E-Safety	Online Relationships – E-Safety	Managing Online Information – E-Safety	Online Reputation – E-Safety	Self-image and Identity – E-Safety
		Creating media – Audio editing (Y4) Audacity	Computing systems and networks – Sharing information (Y5) Unplugged	Programming A – Selection in physical computing (Y5) (supported by Micro:Bit Digital Flashcards) Micro:bit	Data and information – Data logging (Y4) EasySense2 and Micro:bit	Microsoft processing – Presentation Skills (Twinkl Y3) to support planning. Microsoft PowerPoint
Substantive concepts	Digital Literacy	Information Technology	Digital Literacy	Computer Science	Information Technology	Information Technology
Class 5	E-Safety	Privacy and Security – E-Safety	Online Relationships – E-Safety	Managing Online Information – E-Safety	Online Reputation – E-Safety	Self-image and Identity – E-Safety
		Creating media – Video production (Y5) iMovie	Computing systems and networks – Communication and Collaboration (Y6) Unplugged	Programming A – Variables in games (Y6) Scratch	Creating media – 3D Modelling (Y6) TinkerCAD	Microsoft processing – Drawing and Desktop Publishing (Twinkl Y3) to support planning. Microsoft Publisher
Substantive concepts	Digital Literacy	Information Technology	Digital Literacy	Computer Science	Information Technology	Information Technology

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year B (2024 - 2025)						
Class 1	E-Safety	**Privacy and Security** – E-Safety **Data and information** – Grouping data (Y1) Unplugged	**Online Relationships** – E-Safety **Programming** – Programming Toys (Twinkl, Y1) Beebots	**Online Information** – E-Safety **Programming** with Scratch Jr (Twinkl, Y1) Scratch Jr	**Online Reputation** – E-Safety **Computer Navigation** - Computer Skills (Twinkl Y1) Microsoft Word	**Self-image and Identity** – E-Safety **Creating media** – Digital writing (Y1) Word processing
Substantive concepts	Digital Literacy	Information Technology	Computer Science	Computer Science	Information Technology	Information Technology
Class 2	E-Safety	**Privacy and Security** – E-Safety **Creating media** – Digital music (Y2) Chrome Music Lab	**Online Relationships** – E-Safety **Data and information** – Pictograms (Y2) J2E	**Managing Online Information** – E-Safety **Creating Media** – Using the internet (Twinkl Y2) Laptops	**Online Reputation** – E-Safety **Programming** – Turtle Logo and Scratch (Twinkl, Y2) Turtle Logo Scratch Jr	**Self-image and Identity** – E-Safety **Computer Navigation** – Presentation Skills (Twinkl Y2) Microsoft Publisher
Substantive concepts	Digital Literacy	Information Technology	Information Technology	Computer Science	Computer Science	Information Technology
Class 3	E-Safety	**Privacy and Security** – E-Safety **Data and information** – Branching databases (Y3) J2E	**Online Relationships** – E-Safety **Creating media** – Stop Frame Animation (Y3) iMotion	**Managing Online Information** – E-Safety **Programming B** – Events and actions (Y3) Scratch	**Online Reputation** – E-Safety **Programming A** – Repetition in shapes (Y4) Turtle Logo	**Self-image and Identity** – E-Safety **Microsoft processing** - Word Processing (Twinkl Y3) Microsoft Word
Substantive concepts	Digital Literacy	Information Technology	Information Technology	Computer Science	Computer Science	Information Technology
Class 4	E-Safety	**Privacy and Security** – E-Safety **Creating media** – Vector drawing (Y5) Google Drawings app	**Online Relationships** – E-Safety **Data and information** – Flat-file databases (Y5) J2E	**Managing Online Information** – E-Safety **Programming B** – Repetition in games (Y4) Scratch	**Online Reputation** – E-Safety **Programming** – Programming Turtle Logo (Twinkl Y4) Turtle Logo	**E-Safety** – Self-image and Identity **Microsoft processing** – Presentation Skills (Twinkl Y3) to support planning. Microsoft PowerPoint
Substantive concepts	Digital Literacy	Information Technology	Information Technology	Computer Science	Computer Science	Information Technology
Class 5	E-Safety	**Privacy and Security** – E-Safety **Creating media** – Web page creation (Y6) Google Sites	**Online Relationships** – E-Safety **Data and information** – Spreadsheet (Y6) Microsoft Excell	**Managing Online Information** – E-Safety **Programming** – Scratch Animated Stories (Twinkl, Y6) Scratch	**Online Reputation** – E-Safety **Programming B** – Sensing Movement (Y6) Micro:bit	**Self-image and Identity** – E-Safety **Microsoft processing** – Drawing and Desktop Publishing (Twinkl Y3) to support planning.

						Microsoft Publisher
Substantive concepts	Digital Literacy	Information Technology	Information Technology	Computer Science	Computer Science	Information Technology