COMPUTING – Cycle A

Subject		Key vocab.	Declarative knowledge	Procedural knowledge
Autumn 1 (A)	Phase: EYFS	device mouse type keys touch click	Mouse and Keyboard (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices. [Understanding the World: Past and Present] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Mouse and Keyboard (Refer to ELT Computing: EYFS Computing) • I can use a keyboard to type letters. [Physical Development: Fine Motor Skills] • I can use a mouse to target and select options on a screen. [Physical Development: Fine Motor Skills] • I can drag an object on a screen using a mouse. [Physical Development: Fine Motor Skills]
Autumn 2 (A)	Phase: EYFS	record fast slow musical sequence	Early Digital Music (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices. [Understanding the World: Past and Present] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Early Digital Music (Refer to ELT Computing: EYFS Computing) • I can record my voice and make it sound fast or slow. [Expressive Arts and Design: Being Imaginative and Expressive] • I can explore making musical sequences. [Expressive Arts and Design: Being Imaginative and Expressive]
Spring 1 (A)	Phase: EYFS	wrong choices right choices moral stranger	E-Safety (Refer to ELT Computing: EYFS Computing) • I know that there are right choices and wrong choices. [Personal, Social and Emotional Development: Managing Self]	E-Safety (Refer to ELT Computing: EYFS Computing) • I can discuss a moral dilemma in a story. [Personal, Social and Emotional Development: Building Relationships] • I can discuss stranger danger. [Personal, Social and Emotional Development: Building Relationships]
Spring 2 (A)	Phase: EYFS	technology	Literacy and Numeracy (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices that are used by lots of different people. [Understanding the World: People, Culture and Communitites] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Literacy and Numeracy (Refer to ELT Computing: EYFS Computing) • I can talk about how different types of technology can help us. • I can use digital applications to help me with my reading, writing and maths learning.
Summer 1 (A)	Phase: EYFS	touchscreen	Art and Design (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices. [Understanding the World: Past and Present] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Art and Design (Refer to ELT Computing: EYFS Computing) • I can use a touchscreen to draw lines. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can use a touchscreen to draw shapes. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can use a touchscreen to draw patterns. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can take a photo on a digital device. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can make music on a digital device. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can record a video on a digital device. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills]
Summer 2 (A)	Phase: EYFS	instruction next to under over forward backward left right	Early Programming (Refer to ELT Computing: EYFS Computing) • I know what an instruction is. [Personal, Social and Emotional Development: Managing Self] • I know prepositions such as: next to, under, over, on top of, forward, backward, right and left. [Communication and Language: Listening, Attention and Understanding]	Early Programming (Refer to ELT Computing: EYFS Computing) • I can plan where I want my Beebot to travel. [Expressive Arts and Design: Being Imaginative and Expressive] • I can give a Beebot a simple instruction. [Expressive Arts and Design: Being Imaginative and Expressive]

Term / Phase	Vocabulary	Knowledge	Skills
Autumn 1 (A) — Phase: Y1/2	memory e-safety login type capital lower case keys keyboard	**E-Safety (Refer to ELT Computing: Y1, Au1, Lessons 1 – 2)** • I know how to stay safe online. (Lessons 1 and 2) **Digital Literacy (Refer to ELT Computing: Au1, Y1 Lesson 3)** • I know how to log in on a Windows computer. (Lesson 3) • I know how to read the capital letters on a keyboard. (Lesson 3) • I know how to lock my screen. (Lesson 3)	**Digital Literacy (Refer to ELT Computing: Y1, Au1, Lessons 4 - 7)** • I can use a mouse to open a program. (Lesson 4) • I can click and drag objects on a screen. (Lesson 4) • I can type my name on a computer. (Lesson 5) • I can save my work to a file. (Lesson 5) • I can open my work from a file. (Lesson 6) • I can delete letters. (Lesson 6) • I can find the symbols for cut, copy and paste. (Lesson 7) • I can experiment with copying text and images. (Lesson 7)
Autumn 2 (A) — Phase: Y1/2	algorithm directional language	**Computer Science (Refer to ELT Computing: Y1, Au2, Lessons 1 – 4)** • I know what an algorithm is. (Lesson 1) • I know who 'debugging' means. (Lesson 4) **E-Safety (Refer to ELT Computing: Y1, Au2, Lessons 5 – 6)** • I know why I must keep my information private online. (Week 6)	**Computer Science (Refer to ELT Computing: Y1, Au2, Lessons 1 – 4)** • I can use directional instructions to create algorithms. (Lesson 2) • I can plan and develop algorithms. (Lesson 3) • I can solve problems by splitting them into smaller parts. (Lesson 3) **E-Safety (Refer to ELT Computing: Y1, Au2, Lessons 5 – 6)** • I can safely search the internet for a picture. (Lesson 5)
Spring 1 (A) — Phase: Y1/2	hardware password	**Digital Literacy (Refer to ELT Computing: Y1, Sp1 Lessons 1 – 6)** • I know why usernames, passwords and locking my screen are important. (Lesson 1) • I know rules to keep us safe and healthy when using technology in and outside of my home. (Lesson 6)	**Digital Literacy (Refer to ELT Computing: Y1, Sp1 Lessons 1 – 6)** • I can lock my computer screen. (Lesson 1) • I can use my mouse to click and drag. (Lesson 2) • I can start to touch type on a device. (Lessons 3 and 4) • I can cut, copy and paste. (Lesson 5)
Spring 2 (A) — Phase: Y1/2	search technologies	**Information Technology (Refer to ELT Computing: Y1, Sp2 Lessons 1 – 5)** • I know how to use a search engine to find images. (Lesson 1) • I know how to send (AirDrop) files. (Lesson 5)	**Information Technology (Refer to ELT Computing: Y1, Sp2 Lessons 1 – 5)** • I can use Google search to find images. (Lesson 1) • I can save images from the internet. (Lesson 2) • I can create folders on the iPad. (Lesson 3) • I can rename folders on the iPad. (Lesson 3) • I can rename files on the iPad. (Lesson 4)
Summer 1 (A) — Phase: Y1/2	ebook storyboard	**Information Technology (Refer to ELT Computing: Y1, Su1 Lessons 1 – 7)** • I know what an illustration is and that I can use a computer programme to create a digital illustration. (Lesson 1-4)	**Information Technology (Refer to ELT Computing: Y1, Su1 Lessons 1 – 7)** • I can create an illustration using an illustration programme. (Lesson 4) • I can save an illustration. (Lesson 4) • I can edit an illustration. (Lesson 5) • I can create an eBook. (Lesson 6) • I can add illustrations to an eBook. (Lesson 7)
Summer 2 (A) — Phase: Y1/2	repeat instructions	**Computer Science (Refer to ELT Computing: Y1, Su2 Lessons 1 – 7)** • I know than an algorithm is a list of instructions. (Lesson 1)	**Computer Science (Refer to ELT Computing: Y1, Su2 Lessons 1 – 7)** • I can program a sprite. (Lesson 1) • I can make sprites move at different speeds. (Lesson 2) • I can program a sprite to move and hide. (Lesson 3) • I can change the background automatically on Scratch Jnr. (Lesson 4) • I can make my program repeat. (Lesson 5) • I can use a repeat block to code a looped action. (Lesson 6) • I can use sound and motion together on Scratch Jnr. (Lesson 7)
Autumn 1 (A) — Phase: Y3/4	private privacy online presence	**E-Safety (Refer to ELT Computing: Y3, Au1, Lessons 1 – 8)** • I know which information should be kept private. (Lesson 1) • I know different ways that information can be found online about people. (Lesson 5) • I know how to create a positive online presence. (Lesson 6)	**E-Safety (Refer to ELT Computing: Y3, Au1, Lessons 1 – 8)** • I can discuss different levels of privacy. (Lesson 2) • I can consider how people will interpret what I mean when I post online. (Lesson 3) • I can consider what I need to 'keep outside the frame' when I post online. (Lesson 4) • I can teach my E-Safety knowledge to others. (Lessons 7 and 8)

Term / Phase	Vocabulary	Knowledge	Skills
Autumn 2 (A) — **Phase: Y3/4**	digital content digital artefacts www.	Information Technology (Refer to ELT Computing: Y3, Au2, Lessons 1 – 7) • I know and understand how search results are ranked, and I can evaluate their digital content. (Lesson 4) • I know some information about plagiarism, copyright and how to acknowledge a source. (Lesson 7)	Information Technology (Refer to ELT Computing: Y3, Au2, Lessons 1 – 7) • I can use digital computer mapping to locate countries and geographical features. (Lesson 1) • I can use the internet to explore a theme. (Lesson 2) • I can use the internet to research information. (Lesson 3) • I can be discerning in evaluating digital content. (Lesson 5) • I can assess the credibility of a source on the internet. (Lesson 6)
Spring 1 (A) — **Phase: Y3/4**	cyberbullying code	E-Safety (Refer to ELT Computing: Y3, Sp1, Lessons 1 – 4) • I know when I need to get help or talk things through with a trusted adult. (Lesson 1) • I know why being brave and bringing adults into the conversation is important. (Lesson 2) • I know ways to be brave and take action. (Lesson 3) • I know that I am not on my own if I see content online that makes me feel uncomfortable. (Lesson 4) Computer Science (Refer to ELT Computing: Y3, Sp1, Lessons 5 – 6) • I know what an algorithm is. (Lesson 5)	Computer Science (Refer to ELT Computing: Y3, Sp1, Lessons 5 – 6) • I can visualise an algorithm before running the code. (Lesson 6) • I can fix mistakes (debugging). (Lesson 6)
Spring 2 (A) — **Phase: Y3/4**	coding sequences loop	Computer Science (Refer to ELT Computing: Y3, Sp2, Lessons 1 – 6) • I know what coding is. (Lesson 1) • I know what a loop is. (Lesson 4) • I know what events and actions are. (Lesson 6)	Computer Science (Refer to ELT Computing: Y3, Sp2, Lessons 1 – 6) • I can construct simple sequences. (Lessons 2 and 3) • I can debug a mistake. (Lesson 5)
Summer 1 (A) — **Phase: Y3/4**	condition blocks	Computer Science (Refer to ELT Computing: Y3, Su1, Lessons 2 – 7) • I know what a condition is. (Lesson 2) • I know what negative numbers do to code. (Lessons 6 and 7)	E-Safety (Refer to ELT Computing: Y3, Su1, Lesson 1) • I can work out a plan of action for if I see something disturbing online. (Lesson 1) Computer Science (Refer to ELT Computing: Y3, Su1, Lessons 2 – 7) • I can understand basic conditions. (Lesson 2) • I can create a simple algorithm. (Lesson 3) • I can create simple movements with blocks. (Lessons 4 and 5)
Summer 2 (A) — **Phase: Y3/4**	HTML random value if wait function	Computer Science (Refer to ELT Computing: Y3, Su2, Lessons 1 – 7) • I know some information about what HTML coding is. (Lesson 5, 6 and 7)	Computer Science (Refer to ELT Computing: Y3, Su2, Lessons 1 – 7) • I can create a sprite that is computer controlled. (Lessons 1 and 2) • I can use the random value. (Lessons 1 and 2) • I can use the if button to code. (Lessons 1 and 2) • I can use the wait function. (Lessons 3 and 4)
Autumn 1 (A) — **Phase: Y5/6**	privacy settings	E-Safety (Refer to ELT Computing: Y5, Au1, Lessons 1 – 5) • I know how someone else's actions can affect me. (Lesson 1) • I know the importance of privacy settings. (Lesson 4)	E-Safety (Refer to ELT Computing: Y5, Au1, Lessons 1 – 5) • I can create a strong password. (Lesson 2) • I can customise my privacy settings. (Lesson 3) • I can share my E-Safety learning with others. (Lesson 5) Information Technology (Refer to ELT Computing: Y5, Au1, Lessons 6 – 8) • I can research an event. (Lesson 6) • I can create a flyer using Microsoft Publisher. (Lesson 8)
Autumn 2 (A) — **Phase: Y5/6**	spreadsheet cell reference formulae calculate	Computer Science (Refer to ELT Computing: Y5, Au2, Lessons 1 – 8) • I know the key elements of a spreadsheet. (Lesson 1) • I know how to use a cell reference for recalculation. (Lesson 3) • I know that mathematical problems can be explored using a spreadsheet. (Lesson 7) • I know how hashtag searching works. (Lesson 8)	Computer Science (Refer to ELT Computing: Y5, Au2, Lessons 1 – 8) • I can enter formulae into a spreadsheet. (Lesson 2) • I can answer 'what if' questions using a spreadsheet. (Lesson 4) • I can use SUM to calculate a set of numbers in a range of cells. (Lesson 5)

Spring 1 (A)	Phase: Y5/6	reporting commands debug loops functions	E-Safety (Refer to ELT Computing: Y5, Sp1, Lessons 1 – 2) • I know that seeking help is a sign of strength. (Lesson 1) • I know about online tools for reporting abuse. (Lesson 2)	Computer Science (Refer to ELT Computing: Y5, Sp1, Lessons 3 – 6) • I can code using commands and sequences. (Lesson 3) • I can debug with code. (Lesson 3) • I can code using functions and loops. (Lessons 4 - 6)
Spring 2 (A)	Phase: Y5/6	custom assets import export	Computer Science (Refer to ELT Computing: Y5, Sp2, Lessons 1 – 6) • I know how to create custom assets. (Lesson 1) • I know how to save and import internet assets. (Lesson 1)	Computer Science (Refer to ELT Computing: Y5, Sp2, Lessons 1 – 6) • I can code sprites correctly to make a working game. (Lesson 2) • I can create a score system/lives system which tells the game to stop when all lives are gone. (Lesson 3) • I can create a countdown timer. (Lesson 4) • I can create a music file to use in my game. (Lesson 5) • I can export a music file. (Lesson 5) • I can import a music file into my program. (Lesson 5) • I can create a title screen and a game over screen. (Lesson 6)
Summer 1 (A)	Phase: Y5/6	animation evaluate hyperlinks frames	Information Technology (Refer to ELT Computing: Y5, Su1, Lessons 1 – 7) • I know why I should evaluate sources of information. (Lesson 4)	Information Technology (Refer to ELT Computing: Y5, Su1, Lessons 1 – 7) • I can use still images to produce an animation. (Lesson 1) • I can combine individual frames to perceive movement. (Lesson 2) • I can create a custom made animation. (Lesson 3) • I can evaluate web pages. (Lesson 4) • I can create a webpage layout. (Lesson 5) • I can add text to a webpage. (Lesson 6) • I can add images to a webpage. (Lesson 6) • I can add hyperlinks to a webpage. (Lesson 7)
Summer 2 (A)	Phase: Y5/6	3D environment control	Computer Science (Refer to ELT Computing: Y5, Su2, Lessons 1 – 7) • I know how to create a multi-level maze game. (Lesson 7)	Computer Science (Refer to ELT Computing: Y5, Su2, Lessons 1 – 7) • I can create a 3D environment using Microsoft Kodu. (Lesson 1) • I can create and control a sprite on Microsoft Kodu. (Lesson 2) • I can create scenery on Microsoft Kodu. (Lesson 3) • I can build a maze game on Microsoft Kodu. (Lessons 4 and 5) • I can add collectibles and enemies in my game. (Lesson 6)

	COMPUTING – Cycle B		
Subject	**Key vocab.**	**Declarative knowledge**	**Procedural knowledge**
Autumn 1 (B) Phase: EYFS	device mouse type keys touch click	Mouse and Keyboard (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices. [Understanding the World: Past and Present] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Mouse and Keyboard (Refer to ELT Computing: EYFS Computing) • I can use a keyboard to type letters. [Physical Development: Fine Motor Skills] • I can use a mouse to target and select options on a screen. [Physical Development: Fine Motor Skills] • I can drag an object on a screen using a mouse. [Physical Development: Fine Motor Skills]
Autumn 2 (B) Phase: EYFS	record fast slow musical sequence	Early Digital Music (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices. [Understanding the World: Past and Present] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Early Digital Music (Refer to ELT Computing: EYFS Computing) • I can record my voice and make it sound fast or slow. [Expressive Arts and Design: Being Imaginative and Expressive] • I can explore making musical sequences. [Expressive Arts and Design: Being Imaginative and Expressive]
Spring 1 (B) Phase: EYFS	wrong choices right choices moral stranger	E-Safety (Refer to ELT Computing: EYFS Computing) • I know that there are right choices and wrong choices. [Personal, Social and Emotional Development: Managing Self]	E-Safety (Refer to ELT Computing: EYFS Computing) • I can discuss a moral dilemma in a story. [Personal, Social and Emotional Development: Building Relationships] • I can discuss stranger danger. [Personal, Social and Emotional Development: Building Relationships]
Spring 2 (B) Phase: EYFS	technology	Literacy and Numeracy (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices that are used by lots of different people. [Understanding the World: People, Culture and Communitites] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Literacy and Numeracy (Refer to ELT Computing: EYFS Computing) • I can talk about how different types of technology can help us. • I can use digital applications to help me with my reading, writing and maths learning.
Summer 1 (B) Phase: EYFS	touchscreen	Art and Design (Refer to ELT Computing: EYFS Computing) • I know a selection of digital devices. [Understanding the World: Past and Present] • I know that I can access things on a digital device. [Understanding the World: Past and Present]	Art and Design (Refer to ELT Computing: EYFS Computing) • I can use a touchscreen to draw lines. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can use a touchscreen to draw shapes. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can use a touchscreen to draw patterns. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can take a photo on a digital device. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can make music on a digital device. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills] • I can record a video on a digital device. [Expressive Arts and Design: Being Imaginative and Expressive; Physical Development: Fine Motor Skills]
Summer 2 (B) Phase: EYFS	instruction next to under over forward backward left right	Early Programming (Refer to ELT Computing: EYFS Computing) • I know what an instruction is. [Personal, Social and Emotional Development: Managing Self] • I know prepositions such as: next to, under, over, on top of, forward, backward, right and left. [Communication and Language: Listening, Attention and Understanding]	Early Programming (Refer to ELT Computing: EYFS Computing) • I can plan where I want my Beebot to travel. [Expressive Arts and Design: Being Imaginative and Expressive] • I can give a Beebot a simple instruction. [Expressive Arts and Design: Being Imaginative and Expressive]
Autumn 1 (B) Phase: Y1/2	safety upstander bystander honest	E-Safety (Refer to ELT Computing: Y2, Au1, Lessons 1 – 7) • I know which adults in my life can help me if I have a problem online. (Lesson 1) • I know how to stay safe on the internet. (Lesson 3) • I know how to use technology safely. (Lesson 4) • I know rules for staying safe online. (Lesson 5) • I know that I can be an 'upstander' by choosing not to join in. (Lesson 5)	E-Safety (Refer to ELT Computing: Y2, Au1, Lessons 1 – 7) • I can explain how something online might make someone feel worried or sad. (Lesson 1) • I can identify up to four adults in my life who can help me if I have a problem online. (Lesson 1) • I can explain what might happen if I share a picture on the internet. (Lesson 3)

			• I know that people online may not tell the truth. (Lesson 7)	• I can identify the effect of other people's actions online and consider ways of keeping others and myself safe. (Lesson 4) • I can identify what personal information is and the importance of not sharing this. (Lesson 6) • I can recognise feelings I might encounter online and how my body might tell me if something doesn't 'feel right'. (Lesson 6) • I can explain the difference between a secret and a surprise. (Lesson 7)
Autumn 2 (B)	Phase: Y1/2	algorithm appear disappear	Computer Science (Refer to ELT Computing: Y2, Au2, Lessons 1 – 6) • I know what an algorithm is. (Lesson 1)	Computer Science (Refer to ELT Computing: Y2, Au2, Lessons 1 – 6) • I can animate a sprite. (Lesson 1) • I can make a sprite appear and disappear. (Lesson 2) • I can use a repeat block. (Lesson 3) • I can control a sprite's actions. (Lesson 4) • I can change the size of a sprite. (Lesson 5) • I can use messaging to control a sprite. (Lesson 6)
Spring 1 (B)	Phase: Y1/2	router data browser type	Digital Literacy (Refer to ELT Computing: Y2, Sp1, Lessons 1 – 7) • I know what the internet is. (Lesson 1) • I know that computers are used in lots of different inventions. (Lesson 2) • I know how to use computers safely when I'm online. (Lesson 4)	Digital Literacy (Refer to ELT Computing: Y2, Sp1, Lessons 1 – 7) • I can identify some icons on a computer. (Lesson 2) • I can discuss different uses of computers. (Lesson 3) • I can place my fingers in the correct positions when typing on the keyboard. (Lessons 5, 6 and 7)
Spring 2 (B)	Phase: Y1/2	word processor presentationl	Information Technology (Refer to ELT Computing: Y2, Sp2, Lessons 1 – 5) • I know how to open a word processing application. (Lesson 1) • I know how to save word processing files. (Lesson 2)	Information Technology (Refer to ELT Computing: Y2, Sp2, Lessons 1 – 5) • I can type in the word processing application. (Lessons 2 and 4) • I can open the PowerPoint application. (Lessons 3 and 4) • I can type on the PowerPoint application. (Lesson 4) • I can create a presentation with animations. (Lesson 5) • I can create a presentation with yransitions. (Lesson 5)
Summer 1 (B)	Phase: Y1/2	layers edit	Information Technology (Refer to ELT Computing: Y2, Su1, Lessons 1 – 7) • I know that photo editing is done in layers. (Lesson 5) • I know what a transparent layer is. (Lesson 5)	Information Technology (Refer to ELT Computing: Y2, Su1, Lessons 1 – 7) • I can take a digital photograph. (Lesson 1) • I can save my digital photograph. (Lesson 1) • I can organise my saved photos. (Lesson 1) • I can use a photo editing application. (Lesson 2) • I can create a PicCollage using edited photos. (Lesson 3) • I can send my photos using AirDrop. (Lesson 4) • I can add and edit layers. (Lessons 6 and 7)
Summer 2 (B)	Phase: Y1/2	code control	Computer Science (Refer to ELT Computing: Y2, Su2, Lessons 1 – 6) • I know what an algorithm is. (Lesson 1)	Computer Science (Refer to ELT Computing: Y2, Su2, Lessons 1 – 6) • I can program a character to grow or shrink. (Lesson 1) • I can use instructions to make characters move at different speeds. (Lesson 2) • I can use a repeat instruction to make a sequence of instructions run more than once. (Lesson 3) • I can program my design to play a recorded sound. (Lesson 4) • I can use the Broadcast code to use speech in a program. (Lesson 5) • I can use sequencing in a program. (Lesson 6)

Autumn 1 (B) **Phase: Y3/4**	personal information search engine	**E-Safety (Refer to ELT Computing: Y4, Au1, Lessons 1 – 8)** • I know ways that personal information may be stolen. (Lesson 1) • I know that people contacting you online may not be who they say they are. (Lesson 2) • I know how search engines display results. (Lesson 5)	**E-Safety (Refer to ELT Computing: Y4, Au1, Lessons 1 – 8)** • I can evaluate if online information is credible. (Lesson 3) • I can start to detect fake news and disinformation. (Lesson 4) • I can apply some methods to get better search results. (Lesson 6) • I can share my E-Safety learning with others. (Lessons 7 and 8)	
Autumn 2 (B) **Phase: Y3/4**	email IP address network	**Computer Science (Refer to ELT Computing: Y4, Au2, Lessons 1 – 8)** • I know what a computer network is and how computer networks can provide multiple services. (Lesson 1) • I know how information is exchanged between devices. (Lesson 2) • I know that the internet is the physical connection between computers and networks. (Lesson 3) • I know that devices on a network have a unique address. (Lesson 4)	**Computer Science (Refer to ELT Computing: Y4, Au2, Lessons 1 – 8)** • I can use email. (Lesson 5) • I can send an email. (Lesson 6) • I can reply to an email. (Lesson 6) • I can attach a file or photo to an email. (Lesson 7) • I can use email to communicate ideas. (Lesson 8)	
Spring 1 (B) **Phase: Y3/4**	copyright cite fonts shortcuts	**Information Technology (Refer to ELT Computing: Y4, Sp1, Lessons 1 – 6)** • I know what copyright is. (Lesson 2) • I know how to cite information. (Lesson 2)	**Information Technology (Refer to ELT Computing: Y4, Sp1, Lessons 1 – 6)** • I can edit the font on a word document. (Lesson 1) • I can open and edit a word document. (Lesson 2) • I can use keyboard shortcuts. (Lesson 2) • I can create a PowerPoint. (Lesson 3) • I can edit the font and design on a PowerPoint. (Lessons 3 and 4) • I can layer images on top of each other on an image editing program. (Lesson 5) • I can use the crop function. (Lesson 6) • I can use the smart select function. (Lesson 6)	
Spring 2 (B) **Phase: Y3/4**	variables input	**Computer Science (Refer to ELT Computing: Y4, Sp2, Lessons 1 – 6)** • I know what an algorithm is. (Lesson 1) • I know what abstraction is. (Lesson 3) • I know how functions can make coding efficient. (Lesson 4) • I know what a nested loop is. (Lesson 5) • I know about variables, input and output. (Lesson 6)	**Computer Science (Refer to ELT Computing: Y4, Sp2, Lessons 1 – 6)** • I can identify bugs and how to fix them. (Lesson 1) • I can identify loops. (Lesson 2)	
Summer 1 (B) **Phase: Y3/4**	applications digital devices	**Information Technology (Refer to ELT Computing: Y4, Su1, Lessons 1 – 6)** • I know which applications to use to create photos and videos. (Lessons 1 – 6)	**Information Technology (Refer to ELT Computing: Y4, Su1, Lessons 1 – 6)** • I can select, use and combine a variety of software on a range of digital devices. (Lesson 1) • I can create a trailer using pictures. (Lesson 2) • I can combine video and photos. (Lesson 3) • I can use digital camera software. (Lesson 4) • I can combine a variety of computing skills to create a news report. (Lessons 5 and 6)	
Summer 2 (B) **Phase: Y3/4**	debug repetition sensing	**Computer Science (Refer to ELT Computing: Y4, Su2, Lessons 1 – 7)** • I know how to debug to fix a problem. (Lesson 6)	**Computer Science (Refer to ELT Computing: Y4, Su2, Lessons 1 – 7)** • I can create a sprite from Scratch. (Lesson 1) • I can program my sprite to move around the maze. (Lesson 2) • I can use a repeat block and 'sensing' to send the sprite back to the start if they touch a wall. (Lesson 3) • I can use a 'broadcast' to unlock a secret door. (Lesson 4) • I can use a 'broadcast' to go to level 2. (Lesson 5) • I can edit backgrounds and sprites. (Lesson 7)	
Autumn 1 (B) **Phase: Y5/6**	cyberbullying interactions	**E-Safety (Refer to ELT Computing: Y6, Au1, Lessons 1 – 7)** • I know how to respond to bullying online. (Lessons 1 and 2) • I know how words can affect people. (Lesson 7)	**E-Safety (Refer to ELT Computing: Y6, Au1, Lessons 1 – 7)** • I can suggest different ways to respond to bullying online. (Lessons 3 and 4) • I can turn negative interactions to positive ones. (Lesson 5) • I can interpret emotions behind texts and messages. (Lesson 6) • I can model good behaviour to others. (Lesson 7)	

Autumn 2 (B)	**Phase: Y5/6**	simulation tools double click import manipulate	Digital Literacy (Refer to ELT Computing: Y6, Au2, Lessons 1 – 7) • I know which tools I need for different features. (Lesson 5)	Digital Literacy (Refer to ELT Computing: Y6, Au2, Lessons 1 – 7) • I can draw and manipulate a 2D shape. (Lesson 1) • I can use the measure tool in SketchUp to draw shapes. (Lesson 2) • I can use inference points to draw lines and shapes. (Lesson 2) • I can double click to copy, push/pull and offset. (Lesson 3) • I can import models from the 3D warehouse. (Lesson 4) • I can copy and manipulate 3D models. (Lesson 4) • I can use all of the main tools on the SketchUp toolbar. (Lesson 6)
Spring 1 (B)	**Phase: Y5/6**	greenscreen podcast	E-Safety (Refer to ELT Computing: Y6, Sp1, Lessons 1 – 2) • I know why social media, web search and YouTube are free to use. (Lesson 1) • I know the meanings of bias and fake news. (Lesson 2) • I know that real damage and pain can be caused by fake news. (Lesson 2)	Information Technology (Refer to ELT Computing: Y6, Sp1, Lessons 2 – 6) • I can create a short video. (Lesson 3) • I can add backgrounds and digital effects to my videos. (Lesson 4) • I can design a school app to help pupils to quickly find important information. (Lesson 5) • I can screenshot the school webpage. (Lesson 6)
Spring 2 (B)	**Phase: Y5/6**	decomposition blogging	Computer Science (Refer to ELT Computing: Y6, Sp2, Lessons 1 – 7) • I know how to start an app building project. (Lesson 1) • I know how to creare buttons with website links. (Lesson 3) • I know how to create and link different screens. (Lesson 4)	Computer Science (Refer to ELT Computing: Y6, Sp2, Lessons 1 – 7) • I can use the 'insert' feature. (Lesson 2) • I can use the 'resize' feature. (Lesson 2) • I can see and test my app. (Lesson 5) • I can debug my app to fix any issues. (Lesson 6) • I can upload my app to a cloud location. (Lesson 7)
Summer 1 (B)	**Phase: Y5/6**	secure digital effects	E-Safety (Refer to ELT Computing: Y6, Su1, Lesson 1) • I know the importance of password security. (Lesson 1) • I know what a scam email is. (Lesson 1) Computer Science (Refer to ELT Computing: Y6, Su1, Lessons 2 – 3) • I know what HTML is. (Lesson 2) • I know that Python is the language that powers websites and apps. (Lesson 3) Information Technology (Refer to ELT Computing: Y6, Su1, Lessons 4 – 7) • I know that anything in an image can be digitally added, removed or altered. (Lessons 4 and 5)	Information Technology (Refer to ELT Computing: Y6, Su1, Lessons 4 – 7) • I can create a video and upload it to OneDrive. (Lessons 7 and 7) • I can use Windows Photos to add digital effects. (Lessons 6 and 7)
Summer 2 (B)	**Phase: Y5/6**	logic sequence	Computer Science (Refer to ELT Computing: Y6, Su2, Lessons 1 - 7) • I know how to design programs to solve challenges with functions and loops. (Lesson 5)	Computer Science (Refer to ELT Computing: Y6, Su2, Lessons 1 - 7) • I can describe, demonstrate and code using commands and sequences. (Lesson 1) • I can describe, demonstrate and debug with code. (Lesson 2) • I can describe, demonstrate and code using functions and loops. (Lessons 3 and 4) • I can code using algorithms. (Lesson 6) • I can code using conditional code and logic. (Lesson 7)