



2022/ 23 Internet Safety Curriculum

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y1	<p>Internet Safety</p> <p>Computer systems and networks – technology around us</p> <ol style="list-style-type: none"> To identify technology. To identify a computer and its main parts. To use my finger to control the cursor on the screen. To use a keyboard to type on an iPad. To use a keyboard to text. To create rules for using technology responsibly. <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Creating Media – Seesaw</p> <ol style="list-style-type: none"> To use Seesaw to create a document To use Seesaw to draw a picture To use Seesaw to add text To use Seesaw to add shapes To use Seesaw to add audio <p>Everyone Can Create Teacher Guide for Early Learners Drawing (page 3): Chapter 1 Patterns</p> <ol style="list-style-type: none"> Students will be able to: Draw different kinds of lines using a variety of pens and brushes. Experiment with methods for creating and combining shapes. Practise making patterns using lines and shapes. <p>Everyone Can Create Teacher Guide for Early Learners Apple Education https://books.apple.com/gb/book/everyone-can-create-teacher-guide-for-early-learners/id1479892110</p>	<p>Internet Safety</p> <p>Data and information</p> <ol style="list-style-type: none"> To label objects To identify that objects can be counted To describe objects in different ways To count objects with the same properties To compare groups of objects To answer questions about groups of objects <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Coding – Programming A using floor robots (must be taught before B)</p> <ol style="list-style-type: none"> To explain what a given command will do. To act out a given word. To combine 'forwards and backwards' commands to make a sequence. To combine four direction commands to make sequences. To plan a simple programme. To find more than one solution to a problem. <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Everyone Can Create Teacher Guide for Early Learners Photo (page 42): Chapter 3 Edit Photos</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> Crop photos to make the subject of each shot stand out more. Change colour photos to black and white. Use Markup to draw on a photo and add text. <p>Everyone Can Create Teacher Guide for Early Learners Apple Education https://books.apple.com/gb/book/everyone-can-create-teacher-guide-for-early-learners/id1479892110.</p> <p>OR</p> <p>Everyone Can Create Teacher Guide for Early Learners Video (page 52): Chapter 1 Introduce Yourself</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> Record, play and delete individual clips. Improve videos by choosing simple, uncluttered backgrounds. Make videos sound better by speaking clearly and recording in quiet locations. Use the front-facing camera to record a selfie video. <p>Everyone Can Create Teacher Guide for Early Learners Apple Education https://books.apple.com/gb/book/everyone-can-create-teacher-guide-for-early-learners/id1479892110</p>	<p>Internet Safety</p> <p>Coding: Programming B using Scratch jr.</p> <ol style="list-style-type: none"> To choose a command for a given purpose. To show that a series of commands can be joined together. To identify the effects of changing a value. To explain that each sprite has its own instructions. To design the parts of a project. To use my algorithm to create a program. <p>Planning from Teach Computing.</p>

Y2	<p>Internet Safety</p> <p>Computer systems and networks – IT around us</p> <ol style="list-style-type: none"> To recognise the uses and features of Information Technology To identify the uses of information technology in the school To identify IT beyond school To explain how IT helps us To explain how to use IT safely To recognise that choices are made when using IT <p>Planning from Teach Computing</p>	<p>Internet Safety</p> <p>Creating media: Photo Chapter 2: Portraits</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Backlight your subject for a silhouette effect. Apply filters to enhance the mood. Use Markup tools to retouch photos <p>Everyone Can CreatePhoto Apple Education https://books.apple.com/gb/book/everyone-can-createphoto/id1440211371</p> <p>OR</p> <p>Creating media: Video Chapter 1: Your First Movie</p> <p>You'll be able to: Trim and arrange clips. Add a musical soundtrack to enhance the mood. Use filters, titles, stickers, and other effects to tell a visual story.</p> <p>Everyone Can Create Video Apple Education https://books.apple.com/gb/book/everyone-can-create-video/id1440214280</p>	<p>Internet Safety</p> <p>Data and information</p> <ol style="list-style-type: none"> To recognise that we can count and compare objects using tally charts To recognise that objects can be represented as pictures To create a pictogram. To select objects by attribute and make comparisons. To recognise that people can be described by attributes. To explain that we can present information using devices. <p>Planning from Teach Computing</p>	<p>Internet Safety</p> <p>Coding – Programming A using floor robots (must be taught before B)</p> <ol style="list-style-type: none"> To describe a series of instructions as a sequence. To explain what happens when we change the order of instructions. To use logical reasoning to predict the outcome of a program. To explain that programming projects can have code and artwork. To design an algorithm. To create and debug a programme that I have written. <p>Planning from Teach Computing</p>	<p>Internet Safety</p> <p>Everyone Can Create Teacher Guide for Early Learners: Music (page 77) Chapter 1 Rhythm and Beats</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> Explore and play a variety of digital percussion instruments. Compose and record simple rhythmic patterns while maintaining a steady beat. Evaluate the quality of their tracks, then save and name them <p>Everyone Can Create Teacher Guide for Early Learners Apple Education https://books.apple.com/gb/book/everyone-can-create-teacher-guide-for-early-learners/id1479892110</p>	<p>Internet Safety</p> <p>Coding: Programming B using Scratch jr.</p> <ol style="list-style-type: none"> To explain that a sequence of commands has a start. To explain that sequence of commands has an outcome. To create a programme using a given design. To change a given design. To create a programme using my own design. To decide how my project can be improved. <p>Planning from Teach Computing</p>
Y3	<p>Internet safety</p> <p>Computer systems and networks – connecting computers</p> <ol style="list-style-type: none"> To explain how digital devices function To identify input and output devices To recognise how digital devices can change the way we work To explain how a computer network can be used to share information To explore how digital devices can be connected To recognise the physical components of a network <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Creating Media Creating Video: Chapter 2: Silent Movies</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Frame a shot with the right amount of head room and nose room. Identify and capture multiple shot types. Add a grid in the Camera app to guide shot composition. <p>Everyone Can Create Video Apple Education https://books.apple.com/gb/book/everyone-can-create-video/id1440214280 This material may be protected by copyright.</p> <p>OR</p>	<p>Internet Safety</p> <p>Data and Information: Branching Databases</p> <ol style="list-style-type: none"> To create questions with yes/no answers To identify the object attributes needed to collect relevant data To create a branching database To explain why it is helpful for a database to be well structured To identify objects using a branching database To compare the information shown in a pictogram with a branching database <p>https://www.j2e.com/jit5#branch</p> <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Coding Programming Sequencing Sounds: Scratch</p> <ol style="list-style-type: none"> To explore a new programming environment To identify that commands have an outcome To explain that a programme has a start To recognise that a sequence of commands can have an order To change the appearance of my project To create a project from a task description <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Coding: Physical Coding Sphero Block 1</p> <p>https://edu.sphero.com/cwists/categor</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> I can practice refactoring code. I can define and use loops. I can create and execute a Blocks program. 	<p>Internet Safety</p> <p>Creating Media Sound: Garage Band Chapter 2 Rhythm and Drumbeats</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Customise a virtual drummer's performance using Drummer. Recognise note lengths and common percussion instruments. Programme drum sounds to create a drumbeat using the Beat Sequencer. <p>Everyone Can Create Music Apple Education https://books.apple.com/gb/book/everyone-can-create-music/id1440203050 This material may be protected by copyright.</p>

		<p>Creating Media Photo: Chapter 4: Action</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> 1. Take and select photos using Burst mode. 2. Apply the long exposure effect. 3. Animate your photos. <p>Everyone Can CreatePhoto Apple Education https://books.apple.com/gb/book/everyone-can-createphoto/id1440211371</p>				
Y4	<p>Internet Safety</p> <p>Computer systems and networks – the internet</p> <ol style="list-style-type: none"> 1. To describe how networks physically connect to other networks. 2. To recognise how networked devices make up the internet 3. To outline how websites can be shared via the World Wide Web 4. To describe how content can be added and accessed on the WWW 5. To recognise how the content of the WWW is created by people 6. To evaluate the consequences of unreliable content <p>Planning from Teach Computing.</p>	<p>Internet safety</p> <p>Creating Media Photo: Chapter 5: Collage Composition</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> 1. Build a single composition with multiple photos and other graphic elements. 2. Hide parts of photos using Instant Alpha. 3. Crop, mask, edit and layer photos. <p>Everyone Can CreatePhoto Apple Education https://books.apple.com/gb/book/everyone-can-createphoto/id1440211371</p>	<p>Internet safety</p> <p>Data and Information: Data Logging</p> <ol style="list-style-type: none"> 1. To explain that data gathered over time can be used to answer questions. 2. To use a digital devices to collect data automatically. 3. To explain that data loggers collect 'data points' from sensors 4. To use data collected to find information 5. To identify the data needed to answer questions 6. To use collected data to answer questions <p>Planning from Teach Computing. Use Arduno App on iPads for data logging.</p>	<p>Internet Safety</p> <p>Coding Programming: Repetition in Shapes</p> <ol style="list-style-type: none"> 1. To identify that accuracy in programming is important 2. To create a programme in a text based language 3. To explain what 'repeat' means 4. To modify a count-controlled loop to produce a given outcome 5. To decompose into small steps 6. To create a program that uses count-controlled loops to produce a given outcome <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Coding: Physical Coding Sphero Block 2</p> <p>https://edu.sphero.com/cwists/category</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. I can define and use conditionals, including if/then/else statements. 2. I can create and execute a Blocks program. 	<p>Internet Safety</p> <p>Creating Media Creating Videos: Chapter 5: Documentaries</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> 1. Use your camera's manual controls to change focus and exposure. 2. Set up and record an interview. 3. Put together a rough edit of your story with transitions and titles. <p>Everyone Can Create Video Apple Education https://books.apple.com/gb/book/everyone-can-create-video/id1440214280</p>

Y5	<p>Internet Safety</p> <p>Computing systems and networks – sharing information</p> <ol style="list-style-type: none"> To explain that computers can be connected together to form systems To recognise the role of computer systems in our lives To experiment with search engines To describe how search engines select results To explain how search engines are ranked To recognise why the order of results is important and to whom <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Creating Media Creating Videos: Chapter 7: Special Effects</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Create trick effects using simple edits. Adjust the colour of clips to create custom looks. Use green-screen effects <p>Everyone Can Create Video Apple Education https://books.apple.com/gb/book/everyone-can-create-video/id1440214280 This material may be protected by copyright.</p> <p>OR</p> <p>Creating Media Digital Imagery: Photography Chapter 6 – Photo Journalism</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Tell a story with a series of photos. Rearrange and add transitions to slides. Layer text on top of photos in Keynote <p>Everyone Can Create Photo Apple Education https://books.apple.com/gb/book/everyone-can-createphoto/id1440211371 This material may be protected by copyright.</p>	<p>Internet Safety</p> <p>Data and Information – Flat File Databases</p> <ol style="list-style-type: none"> To use a form to record information To compare paper and computer databases To outline how to answer questions by grouping and sorting data To explain that tools can be used to select specific data To explain that computer programmes can be used to compare data visually To use real world data bases to answer questions <p>Planning from Teach Computing. To teach using 'Numbers' App.</p>	<p>Internet Safety</p> <p>Everyone Can Code Puzzles</p> <p>https://books.apple.com/gb/book/everyone-can-code-puzzles/id1481279489</p>	<p>Internet Safety</p> <p>Creating Media Sound: Garage Band Chapter 3 Chords and Melody</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Understand basic chord structures and progressions. Play and record chords and melodies using Touch Instruments. Layer multiple instruments with drums to create full songs. <p>Everyone Can Create Music Apple Education https://books.apple.com/gb/book/everyone-can-create-music/id1440203050 This material may be protected by copyright.</p>	<p>Internet Safety</p> <p>Coding: Physical Coding Sphero Block 3</p> <p>https://edu.sphero.com/cwists/category</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> I can use a gyroscope to calculate rotational velocity. I can learn what absolute value is. I can create and execute a Block program.
----	--	--	---	--	---	---

Y6	<p>Internet Safety</p> <p>Computing Systems and Networks – Communication</p> <ol style="list-style-type: none"> To explain the importance of internet addresses To recognise how data is transferred across the internet To explain how sharing information can help people to work together To evaluate different ways of working together online To recognise how we communicate using technology To evaluate different methods of online communication <p>Planning from Teach Computing.</p>	<p>Internet Safety</p> <p>Creating Media Creating Videos: Chapter 8 Short Film Production</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Write a story in screenplay format. Design a floor plan for camera placement. Add and control audio and sound effects in iMovie. <p>Everyone Can Create Video Apple Education https://books.apple.com/gb/book/everyone-can-create-video/id1440214280</p>	<p>Internet Safety</p> <p>Data and Information – Flat File Databases</p> <ol style="list-style-type: none"> To create a data set in a spreadsheet To build a data set in a spreadsheet To explain that formulas can be used to produce calculated data To apply formulas to data To create a spreadsheet to plan an event To choose suitable ways to present data <p>Planning from Teach Computing. To teach using 'Numbers' App.</p>	<p>Internet Safety</p> <p>Everyone Can Code Adventures</p> <p>https://books.apple.com/gb/book/everyone-can-code-adventures/id1540864952</p>	<p>Internet Safety</p> <p>Creating Media Digital Imagery: Photography Chapter 7 – Animated Gifs.</p> <p>You'll be able to:</p> <ol style="list-style-type: none"> Change the appearance of a photo over time using Keynote transitions. Make a stop-motion animation. Add motion to a photo. <p>Everyone Can Create Photo Apple Education https://books.apple.com/gb/book/everyone-can-createphoto/id1440211371</p>	<p>Internet Safety</p> <p>Coding: Physical Coding Sphero Block 4</p> <p>https://edu.sphero.com/cwists/category</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> I can create code from pseudocode. I can define and use variables, conditionals, loops, random within bounds, and data types. I can create and execute a Blocks program.
----	---	--	---	---	---	--