

### **Whole School Curriculum Overview**

Year	Autumn 1	Autumn 2	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional units
Group	(Digital Literacy)	(Byte sized)	(Byte sized)	(Digital Literacy	(Computer	(Information	(Fun/Application)	
			N	E-Safety)	Science)	Technology)	Transition Wash Astrilly	
EYFS	Teacher's Handbook	SHAPE I-IUNT	Beats & Rhythms	MY ONLINE LIFE	Teacher's Handbook ROBOTS	Teacher's Handbook ANIMAL SAFARI	Teacher's Handbook Nursery Rhyme Coding	Teacher's Handbook  Pretty Pictures
One	Modern Tales  Friend Aequest  Was assessed to the second and the s	Teacher's Handbook Animate with Shapes	Drawing Maths  Name of the control o	MY ONLINE LIFE - TEACHER'S HANDBOOK	What is a Computer?	W Teachers Handbook	Teacher's Handbook My Friend the Robot	News Presenter
Two	Teacher's Handbook Online Buddies  West waster and a second secon	HEADS UP!	Maths Madness  Walter Verbrach  From the John of the J	My Online Life - Teacher's handbook	Code a Story	Story Land  Compared to a state of the state	Transfer Francisco.  Presentations 8. Typing	
Three	ONLINE DETECTIVES	KEYBOARD ADVENTURES  WHO were the second of	T-SHIRT DESIGNER Let year agent a grant and a grant agent a grant agent	MY ONLINE LIFE - TEACHER'S HANDBOOK	Let y and the second of the se	Teacher's Handbook	BE DICATALLY AWESOME  Let yet many White property with the propert	PROGRAMMING WITH ROBOTS Left per desert
Four	REAL OR FAKEP TEACHER'S HANDBOOK	Minecraft Challenges  Writing  William State Challenges  William State	Wizard School  Teacher's Handbook	MY ONLINE LIFE - YEACHER'S HANDBOOK	Endangered Animals  La pa tola 1 Montal  Teacher's Handbook	Dinosaurs  Teachers Handbook	Hour of Code  Teacher's Handbook	
Five	IN FOCUS: A YOUTUBER - TEACHER'S HANDBOOK	Video Game Music Composer  Lift per parameter de la minima del minima de la minima del minima de la minima del minima de la minima del mini	News Reporter and Podcaster  Teacher's Handbook	MY ONLINE LIFE - TEACHER'S HANDBOOK	CITE AM Confusion Confusio	Making AR Games Teacher's Handbook	The State of the S	















### **EYFS Overview:**

Unit of work	National Curriculum targets	Vocabulary (Full glos	sary at the bottom o	of the document)
Teacher's Handbook	Mandatory Skills:	Technology	App	Algorithm
<b>⋒</b> ⋒⋒⋒	I can use a camera.	Share	Camera	Zoom
Technology & Me	I can go online.	Google	Sequence	Printer
Total manager of the state of t	I can do the basics with technology.	Computer	Instructions	Keyboard
The street of th	Computer Science:	iPad/tablet	Internet	Save
Autumn 1	I can explain an algorithm.			
(Digital Literacy)	I can explain sequencing.			
(= :8: -:- =: -: -: -; / /	Information Technology:			
	I can select and use technology for particular purposes.			
	Digital Literacy:			
	I can discuss the use of technology in the world around me.			
	I can use a search engine.			
	• 3 and 4 year olds - Personal, Social and Emotional Development – I can remember rules without			
	needing an adult to remind them.			
	3 and 4 year olds – Understanding the World - I can explore how thingswork.			
Teacher's Handbook	Mandatory Skills:	Shape	Camera	Арр
SHAPE	I can use a camera.	Photography	Flash	Scan
I-/UNT	I can do the basics with technology.	Delete	Application	USB
	Information Technology:	Hunt	iPad	Tablet
No. of the latest depth of	I can select and use technology for particular purposes.	Download	eBook	Zoom
Autumn 2	Digital Literacy:	Keyboard	Computer	Gallery
(Byte sized)	I can discuss the use of technology in the world around me.			
(Dyte 312ed)	3 and 4 year olds – Understanding the World - I can explore how thingswork.			
	ELG - Expressive Arts and Design – Creating with materials - Safely use and explore a variety of			
	materials, tools and techniques, experimenting with colour, design, texture, form and function.			
Teacher's Handbook	Mandatory Skills:	iPad	App/Application	Sequence
	I can use a camera.	Headphones	Technology	iPad/Tablet
V.	I can do the basics with technology.	Percussion		
Beats & Rhythms &	Information Technology:			
Lart's part pureprints than tuneral	I can select and use technology for particular purposes.			
Autumn 2				
(Byte sized)				
— (byte sizeu)				



Spring 1 (Digital Literacy E-Safety)

### **Mandatory Skills:**

- I can do the basics with technology.
- I can go online.
- I can use a camera.

### Information Technology:

- I can select and use technology for particular purposes.
- **Reception** Physical development Develop their small motor skills so that they can use a range of tools competently, safely and confidently.

### **Digital Literacy:**

- I can discuss the use of technology in the world around me.
- I understand that people can talk to each other (communication) online.
- I can use a search engine.
- I can discuss the rules for staying safe online.
- I know online content is made and belongs to someone.
- 3 and 4 year olds Personal, Social and Emotional Development I can remember rules without needing an adult to remind them.
- ELG Personal, Social and Emotional Development Managing self Explain the reasons for rules, know right from wrong and try to behave accordingly.
- **Reception -** Personal, Social and Emotional Development Know and talk about the different factors that support their overall health andwellbeing:
  - sensible amounts of 'screen time'.

Reputation
Online Bullying
Copyright
Camera
Self-Image
Identity
Trust

Share Risks Profile Password Information Private

Empathy Internet iPad/tablet Google Keyboard App Application

Teacher's Handbook	Mandatory Skills:	Robot	Program	Backwards
ROBOTS	I can do the basics with technology.	Algorithm	Instruction	Direction
Care yes similary	I can use a camera.	Sequence	Forward	Coordinates
The second secon	Computer Science:	Coding		
	I can explain an algorithm.	Ü		
Spring 2	I can explain sequencing.			
•	I can give instructions to a programmable toy.			
(Computer	Information Technology:			
Science)	I can select and use technology for particular purposes.			
	3 and 4 year olds — Physical Development - Match their developing physical skills to tasks and			
	activities in the setting.			
	Reception - Personal, Social and Emotional Development - Show resilience and perseverance in the			
	face of a challenge.			
	ELG - Personal, Social and Emotional Development – Managing self - Be confident to try new			
	activities and show independence, resilience and perseverance in the face of challenge.			
Teacher's Handbook	Mandatory Skills:	iPad	Seesaw	Арр
ANIMAL SAFARI	I can use a camera.	Keyboard	Tally	Scan
( <u>60</u> )	I can do the basics with technology.	Delete	Chart	Tablet
	Information Technology:	Safari	QR Code	Zoom
AND	I can select and use technology for particular purposes.	Download	eBook	Application
Summer 1	Reception – Physical development - Develop their small motor skills so that they can use a range of	Computer	Data	Flash
(Information	tools competently, safely and confidently.	Camera		
•				
Technology)				
Teacher's Handbook Nursery Rhyme Coding	Mandatory Skills:	Instructions	Control	App (application)
WWW.	I can do the basics with technology.	Camera	Google	Keyboard
Marine del Milanto Water Marine	I can use a camera.	Robot	Information	Button
Let's par realized	Computer Science:	QR code	Internet	Printer
ACTUAL CONTRACTOR AND ADDRESS OF THE PARTY O	I can explain an algorithm.	Sequence Share	Algorithm Computer	Save Zoom.
Summer 2	I can explain sequencing.	Technology	iPad/tablet	200111.
(Fun/Application)	I can give instructions to a programmable toy.	recimology	ir auf tablet	
Teacher's Handbook	Mandatory Skills:	iPad	Print	Digital
	I can use a camera.	Camera	Zoom	Publish
	I can do the basics with technology.	Photograph	Seesaw	Upload
Pretty Pictures	Information Technology:	Save		
10 to	I can select and use technology for particular purposes.			
Additional units	Reception – Expressive arts and design - Explore, use and refine a variety of artistic effects to express			
7 adicional dilits	their ideas and feelings.			
	ELG - Expressive Arts and Design – Creating with materials - Safely use and explore a variety of			
	materials, tools and techniques, experimenting with colour, design, texture, form and function.			

### Year One Overview:

Unit of work	National Curriculum targets	Vocabulary (Full glos	ssary at the bottom	of the document)
Autumn 1 (Digital Literacy)	Mandatory Skills:  I can do the basics with technology.  I can take a good quality photograph and video on an iPad/digital camera.  Information Technology:  I can use technology to create and present my ideas.  I can organise and store my digital work.  I can collect and sort data.	Vocabulary (Full glost Internet QR Code Personal Information Follow Trust Online Risks Profile Avatar	Private Private Password Trusted adult Login Share Digital Communicate	of the document)  Website Private Information Online rules Folder Files Save Edit
	<ul> <li>Digital Literacy:</li> <li>I can recognise the ways we use technology in our classroom, my home and community.</li> <li>I can use a search engine.</li> <li>I understand something online may upset and know where to find help it anything does.</li> <li>I can describe how to behave online in ways that do not upset others and can give examples.</li> <li>I know the rules of using technology at home or in school.</li> <li>I can explain what personal information is and give examples of it.</li> </ul>	Avatar	icon	Edit
Autumn 2 (Byte sized)	Mandatory Skills:  I can do the basics with technology.  Information Technology:  I can use technology to create and present my ideas.  I can organise and store my digital work.  Digital Literacy:  I can communicate politely via the internet.	Communicate Digital Illustration Frame	Share Icon Website Folder Files	Save Edit Animation Still Frame
Drawing Maths  The state of the	Mandatory Skills:  I can do the basics with technology. Information Technology:  I can use technology to create and present my ideas.  I can organise and store my digital work. Digital Literacy:  I can communicate politely via the internet.	App Digital Sketch 3D Illustration Tool Illustrator Folder	Files Computer Tablet Sign-in Upload Photos Comments	Tool Icon Menu Video Audio Landscape Portrait Sketch
MY ONLINE LIFE- TEACHER'S HANDBOOK  Spring 1  (Digital Literacy E-Safety)	Mandatory Skills:  I can do the basics with technology.  I can take a good quality photograph and video on an iPad/digital camera.  Information Technology:  I can use technology to create and present my ideas.  I can organise and store my digital work.  I can collect and sort data.  Digital Literacy:  I can recognise the ways we use technology in our classroom, my home and community.  I can use a search engine.  I understand something online may upset and know where to find help it anything does.  I can communicate politely via the internet.  I understand that once something it posted you lose control if it.	Reputation Online Bullying Copyright Emoji Self Image Identity Trust Online Risks Wifi / Wireless Follow	Profile Password Trusted adult Private Empathy Game Download Login Send Digital Online rules	Communicate Icon Personal Information Website Online Bullying Search Private Information Link Menu Bluetooth

	I can describe how to behave online in ways that do not upset others and can give examples.			
Teacher's Handbook What is a	Mandatory Skills:	eMail	CD-DVD Drive	Send/Receive
Computer?	I can do the basics with technology.	Keyboard	Camera	Sign-in
and the second s	I can take a good quality photograph and video on an iPad/digital camera.	Mouse	Wireless	Sequence
Name of the second seco	Computer Science:	Monitor	Hard Drive	Algorithm
T	• I can follow a simple algorithm and create a simple sequence algorithm using symbols that solve a	Data	Software	Debug
Spring 2	problem.	Printer	Hardware	Robot
(Computer	I can create algorithms that can be turned into a program using a robot or digital device.	Speakers	QR Code	Program
	I can independently debug simple sequence errors in a program.	DVD/CD	Processor	Sprite
Science)	I can use logical reasoning to predict the outcome of simple programs.			Instructions
	Information Technology:			
	I can use technology to create and present my ideas.			
	I can organise and store my digital work.			
	I can collect and sort data.			
	Digital Literacy:			
	I can recognise the ways we use technology in our classroom, my home and community.			
	I can communicate politely via the internet.			
* * *	Mandatory Skills:	Internet	Design	Share
	I can do the basics with technology.	Information	Landscape	Icon
	I can take a good quality photograph and video on an iPad/digital camera.	Online	Download	Website
Teacher's Handbook	Information Technology:	Mini-beast	Digital	Folder
Maria property and the second	I can use technology to create and present my ideas.	Communicate	Illustration	Files
Summer 1	I can organise and store my digital work.	Self portrait	Green screen	Save
	I can collect and sort data.	'	Login	Edit
(Information	Digital Literacy:		· ·	
Technology)	I can recognise the ways we use technology in our classroom, my home and community.			
	I can use a search engine.			
	I can communicate politely via the internet			
West Congular Science Activity Teacher's Handbook	Mandatory Skills:	Robot	Instructions	Hardware
	I can do the basics with technology.	Design	Sequencing	Processor
my Friend	I can take a good quality photograph and video on an iPad/digital camera.	Algorithms	Bugs	Emoji
III II III III	Computer Science:	Debugging	App	Program
Let per relevand	I can follow a simple algorithm and create a simple sequence algorithm using symbols that solve a	QR code	Sensors	Machines
C		QIV COUC	Software	iviaciiiics
Summer 2	problem.		Software	
(Fun/Application)	I can independently debug simple sequence errors in a program.  I can use legislate and product the protection of simple and program.			
	I can use logical reasoning to predict the outcome of simple programs.  I can use logical reasoning to predict the outcome of simple programs.			
	I can create algorithms that can be turned into a program using a robot or digital device.      I can create algorithms that can be turned into a program using a robot or digital device.      I can create algorithms that can be turned into a program using a robot or digital device.			
	Information Technology:			
	I can use technology to create and present my ideas.  I can use technology to create and present my ideas.			
	I can organise and store my digital work.    Can organise and store my digital work.			
	Digital Literacy:			
	I can recognise the ways we use technology in our classroom, my home and community.			
	I can communicate politely via the internet.			



### Mandatory Skills:

- I can do the basics with technology.
- I can take a good quality photograph and video on an iPad/digital camera.

### Information Technology:

- I can use technology to create and present my ideas.
- I can organise and store my digital work.
- I can collect and sort data.

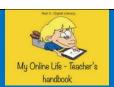
### Digital Literacy:

- I can use a search engine.
- I can communicate politely via the internet.
- I am aware that content online is owned by the person that created it.

News	Camera	Sign-in
Keyboard	Video	Landscape
Mouse	Document	Portrait Green
Save	Software	Screen
Data	File	Effects
Digital	Folder	Copyright
Website	Communicate	Emoji
Link	Send/Receive	Icon
Photo	Keywords	Tools
Browser	Search	Download

### Year Two Overview:

Unit of work	National Curriculum targets	Vocabulary (Full	glossary at the bot	tom of the document)
Autumn 1 (Digital Literacy)	Mandatory Skills:  I can use technology to organise and present my ideas.  Information Technology:  I can use design and formatting to enhance my digital work.  I can create with technology. E.g. Video, animation, 3D  Digital Literacy:  I can give examples of how technology is used to communicate beyond school.  I understand that somethings online may upset me and that I cannot trust everyone online. (Self Image)  I can use online services to communicate safely. (Online Relationships)  I understand that once something it posted you lose control if it and know how to get help if I need to. (Online Reputation)  I can give examples of online bullying behaviour, I understand the impact it may have and I know where to go for support. (Online Bullying)  I can use a search engine and I am aware that not everything I read online is true. (Online Bullying)  I know the rules of using technology at home or in school. (Health well being)  I can explain what personal information is and understand the need for passwords to protect it. (Privacy and Security)	Reputation Online Bullying Copyright Communicate Self Image Identity Trust Digital Book Risks	Profile Password Images Private Empathy Font Post Template Chat	Behave WWW Username Software Browser Avatars Data Interact Scan Evaluation Facts Fictitious/Fake
HEADS UP!  Teacher's Handbook  Autumn 2  (Byte sized)	Information Technology:  I can create digital content using more than one app or piece of software to enhance it.  I can use technology to organise and present my ideas in different ways.	Google Search Search Engine		
Maths Madness 000	■ I can share my work with other others.	QR Code Scan		



Spring 1 (Digital Literacy E-Safety)

### Digital Literacy:

- I can explain how other people's online identity can be different to their identity in real life.
- I can describe ways in which people might make themselves look different.
- I can give examples of issues online that might make me feel sad, worried, uncomfortable or frightened; I can give examples of how I might get help.
- I can use the internet to communicate with people I don't know well (e.g. email a penpal in another school/ country).
- I can give examples of how I might use technology to communicate with others I don't know well.
- I can explain how information put online about me can last for a long time.
- I know who to talk to if I think someone has made a mistake about putting something online.
- I can give examples of bullying behaviour and how it could look online.
- I understand how bullying can make someone feel.
- I can talk about how someone can/would get help about being bullied online or offline.
- I can use keywords in search engines. (DL) I can demonstrate how to navigate a simple webpage to get to information I need (e.g. home, forward, back buttons; links, tabs and sections).
- I can explain what voice activated searching is and how it might be used (e.g. Alexa, Google Now, Siri).
- I can explain the difference between things that are imaginary, 'made up' or 'make believe' and things that are 'true' or 'real'.
- I can explain why some information I find online may not be true.
- I can explain simple guidance for using technology in different environments and settings.
- I can say how those rules/guides can help me.
- I can describe how online information about me could be seen by others.
- I can describe and explain some rules for keeping my information private.
- I can explain what passwords are and can use passwords for my accounts and devices.
- I can explain how many devices in my home could be connected to the internet and can list some of those devices.
- I can describe why other people's work belongs to them.
- I can recognise that content on the internet may belong to other people.

# Code a Story

Spring 2 (Computer Science)

### **Mandatory Skills:**

- I can save, share and retrieve my digital work.
- I can use technology to organise and present my ideas.

### **Computer Science:**

- I can plan out an algorithm with a sequence of commands to carry out specific tasks.
- I can identify 'bugs' in computer programs and use the term debug in context.
- I can create a simple repeat loop.
- I can create a simple game program.
- I can predict the outcome of a sequence of blocks in Scratch.

### Information Technology:

- I can use design and formatting to enhance my digital work.
- I can create with technology. E.g. Video, animation, 3D

### **Digital Literacy:**

- I know the rules of using technology at home or in school. (Health wellbeing)
- I can explain what personal information is and understand the need for passwords to protect it.
   (Privacy and Security)

Repeat Backdrop Program Loops Characters Code Sequence

Reputation

Copyright

Self Image

Online Bullying

Debug Password Username Execute/Run Browser WWW Backdrop

Identity

Trust

Risks

Profile

Images
Digital
Book
Code
Computational
Thinking

Password

Private

**Empathy** 

Story Land  Story Land  Summer 1  (Information  Technology)	<ul> <li>Information Technology:</li> <li>I can create digital content using more than one app or piece of software to enhance it.</li> <li>I can begin to use design and formatting to enhance my digital work.</li> <li>I know how to save and share my digital work.</li> </ul>	Author Sequel Storymap	Template Stroke Landscape	Publish Download Chat
Presentations 8. Typing Summer 2 (Fun/Application)	Information Technology:  I can use design and formatting to enhance my digital work.  I can save, share and retrieve my digital work.  I can create with technology. E.g. Video, animation, 3D.  I can collect and record data purposefully.  I can use technology to organise and present my ideas.  Digital Literacy:  I can give examples of how technology is used to communicate beyond school.  I am aware that content online is owned by the person that created it. (Copyright)	Template Presentation Chat Template Input Landscape	Copyright Data Publish Download WWW	Publish Software Images Browser Evaluation

### **Year Three Overview:**

Unit of work	National Curriculum targets	Vocabulary (Full glo	ssary at the botton	of the document)
Autumn 1 (Digital Literacy)  NeyBoard Adventures  N	Information Technology:  I can make judgements about the usefulness of information.  I can use search tools to find and use an appropriate website.  I can search for and use information from a range of sources.  I can make exact searches on the world wide web.  I can analyse information and make accurate searches.  I can evaluate my work and improve its effectiveness.  Mandatory Skills:  I can troubleshoot when something doesn't appear to be working with my device.  Information Technology:  I can improve the quality and presentation of my work.  I can create with technology. E.g. Video, animation, 3D	Facts Search Search Engine Images Information Authenticate  Keyboard QWERTY Shortcut	ssary at the botton	Tor the document)
Autumn 2 (Byte sized)  T-SHIRT DESIGNER  LET	Information Technology:  I can improve the quality and presentation of my work using editing and formatting techniques.  I can use search tools to find and use an appropriate website.  I can search for and use information from a range of sources.  Digital Literacy:  I can search for copyright free images online to use in my own work.	Illustrator Copyright Design	Designers Budget Digital	Design Brief Profit Cost
MY ONLINE LIFE- TEACHER'S HANDBOOK  Spring 1 (Digital Literacy E-Safety)	<ul> <li>Digital Literacy:</li> <li>I know how to use the internet.</li> <li>I can analyse information and make accurate searches.</li> <li>I understand the need for copyright and the consequences of ignoring it.</li> <li>I am aware of what I should be sharing online and where to go for help if I need it.</li> <li>I understand that I cannot trust everyone I talk to online, that I should be a good digital citizen and where to go for help if something upsets me online.</li> <li>I can explain what bullying is and know where to go for help.</li> <li>I understand the impact technology can have on my health, well being and lifestyle.</li> <li>I know who I should be sharing information with and how to keep my data secure.</li> <li>I understand the term identity and I can take appropriate measures to protect my own online identity</li> </ul>	Reputation Online Bullying Copyright Self Image	Identity Trust Risks	Profile Password Private Empathy
Tacher's Handbook  Spring 2 (Computer	Mandatory Skills:  I can troubleshoot when something doesn't appear to be working with my device.  Computer Science:  I can plan, create and debug programs.  I can use decomposition to help me solve computing problems.  I can work with various forms of input and output.  I can use logical reasoning to predict and correct errors in algorithms and programs.	Code / Coding Sequencing Screenshot Flow Diagram Journal Program Sprite	Repeat Debugging Conditional App Broadcast Command Tablet	Bugs Algorithm Decomposition Screencasts Input Background Visual coding

Science)  Tacher's Handbook  Summer 1  (Information  Technology)	<ul> <li>Mandatory Skills:</li> <li>I can troubleshoot when something doesn't appear to be working with my device.</li> <li>I can discuss different types of digital content and file types.</li> <li>Information Technology:</li> <li>I can improve the quality and presentation of my work.</li> <li>I can create with technology. E.g. Video, animation, 3D</li> </ul>	360º video Virtual Reality Soundtrack Expedition Button Google Earth		
BEDICITALLY AWESOME  Trucker's Handbook  Summer 2 (Information Technology)	Mandatory Skills:  I can troubleshoot when something doesn't appear to be working with my device.  I can discuss different types of digital content and file types.  Computer Science:  I can explain how the internet works.  Information Technology:  I can use advanced search tools. (Copyright)  I can collect, analyse, evaluate and present data and information.  I can create with technology. E.g. Video, animation, 3D  I can improve the quality and presentation of my work using editing and formatting techniques.  Digital Literacy:  I know how to use the internet. (Online Bullying)  I understand the need for copyright and the consequences of ignoring it.	App Shortcut Presentation Application Browsers Word Processing Cloud	Bookmark Multimedia File Copyright Hyperlink Folder Content Spreadsheet	Search Engine Formulae GigaByte URL MegaByte Font Digital
PROGRAMMING WITH ROBOTS  Lift periodical Computer Science)	Mandatory Skills:  I can troubleshoot when something doesn't appear to be working with my device.  I can discuss different types of digital content and file types.  Computer Science:  I can plan, create and debug programs.  I can use decomposition to help me solve computing problems.  I can use sequence, selection, repetition and variables in programs.  I can work with various forms of input and output.  I can use logical reasoning to predict and correct errors in algorithms and programs.  I can explain how the internet works.  I can explain how a search engine works.  Information Technology:  I can improve the quality and presentation of my work.  I can create with technology. E.g. Video, animation, 3D.  Digital Literacy:  I know who I should be sharing information with and how to keep my data secure.  I understand the term identity and I can take appropriate measures to protect my own online identity.	Technology Robot Apps Software Hardware Engineering Electronics Internet Network Simulation Search Engine Profile Password Images Backdrop Private Fake News Font	Post Sprite Template Input Output WWW Stage Username Illustration Browser File Palette Folder PDF Reliable Evaluation Decomposition	Multimedia Repeat/Loop Algorithm Program Flow Chart Sequence X/Y Axis Debug Command Condition Code Block Digital Content Screenshot Variables Facts

### **Year Four Overview:**

Unit of work	National Curriculum targets	Vocabulary (Full glossary at the bottom of the document)
REAL OR FAKE? TEACHER'S HANDBOOK Autumn 1 (Digital Literacy)	Computer Science:  I can understand the different methods of communication using the internet.  Information Technology:  I can use a search engine and I am aware that not everything I read online is correct. (Online Bullying)  Digital Literacy:  I can evaluate information presented to me to make informed choices about what is Fake News.  I understand that people may have a different online identity to that in real life and am able to interact with others. (Self Image)	Fake News Reporting Skeptical Verify Media
Minecraft Challenges  With the state of the	Information Technology:  I can create with technology. E.g. Video, animation, 3D  Digital Literacy:  I can collaborate online to create digital content.	3D Griefing
Wizard School  Teacher's Handbook  Autumn 2  (Byte sized)	<ul> <li>Information Technology:         <ul> <li>I can improve the quality and presentation of my work using editing and formatting techniques.</li> <li>I can create with technology. E.g. Video, animation, 3D</li> </ul> </li> </ul>	Stroke Audio Animation Filters URL
MY ONLINE LIFE - TEACHER'S HANDBOOK Spring 1 (Digital Literacy E-Safety)	<ul> <li>Computer Science: <ul> <li>I can understand the different methods of communication using the internet.</li> </ul> </li> <li>Information Technology: <ul> <li>I can use a search engine and I am aware that not everything I read online is correct. (Online Bullying)</li> </ul> </li> <li>Digital Literacy: <ul> <li>I can evaluate information presented to me to make informed choices about what is Fake News.</li> <li>I can describe strategies for safe and fun experiences in a range of online social environments and I'm respectful to others online. (Online Relationships)</li> <li>I understand that people may have a different online identity to that in real life and am able to interact with others. (Self Image)</li> <li>I am aware others can find information out about me by searching online. (Online Reputation)</li> <li>I know which technologies are used for online bullying and I am considerate of others when posting myself. (Online Bullying)</li> <li>I understand the impact technology can have on my health, well being and lifestyle. (Health well being)</li> <li>I am aware that some people want to access my data and can take appropriate measures to ensure this doesn't happen. (Privacy and Security)</li> <li>I understand the need for copyright and the consequences of ignoring it. (Copyright)</li> </ul> </li> </ul>	Reputation Identity Profile Online Bullying Trust Password Copyright Risks Private Self Image

Endangered Animals  Lyprono Boson  Teacher's Handbook  Spring 2  (Information	Mandatory Skills:  I can explain common file types. Information Technology:  I can improve the quality and presentation of my work using editing and formatting techniques.  I can create with technology. E.g. Video, animation, 3D  Digital Literacy:  I can collaborate online to create digital content.	App Storyboard Application Scene Screencast	Shot Screenshot Script Illustration	Publish Audio Hashtag Filters
Technology)  Technology  Technology  Touchers Handbook  Summer 1  (Information Technology)	Mandatory Skills:  I can explain common file types. Information Technology:  I can improve the quality and presentation of my work using editing and formatting techniques.  I can create with technology. E.g. Video, animation, 3D	Shots Storyboard Scene	Landscape Green screen Sound	Audio Edit Clips
Hour of Code  Teacher's Handbook  Summer 2  (Computer Science)	<ul> <li>Computer Science:</li> <li>I can solve an open-ended problem by breaking it up into smaller parts.</li> <li>I can design and write a program for a given purpose including specific programming features.</li> <li>I can test existing programs to see how they could be improved.</li> </ul>	Website Conditional Run	Program Loop Command	Block Sequence Sprite

### **Year Five Overview:**

Unit of work	National Curriculum targets	Vocabulary (Full glossary at the bottom of the document)		
	Mandatory Skills:	Vlog	Online Bullying	Record
Sec. Es	I can film and produce a short video.  Information Tachnale and	YouTuber Product Placement	Transitions	Edit
	Information Technology:  I can use a search engine and I am aware that not everything I read online is correct.	Product Placement		Content
IN FOCUS: A YOUTUBER - TEACHER'S HANDBOOK	Digital Literacy:			
Autumn 1	<ul> <li>I can create a subject specific vlog and understand the potential risks of sharing content online.</li> </ul>			
(Digital Literacy)	I can collaborate to develop & improve work.			
For and Size Size New S Artsidy	Information Technology:	Music Composer	Jingle	Design Brief
Video Game Music Composer	I can record and produce a podcast / audio clips.	App	3111810	Audio Loop
Let's get pumping de turned  With a land polyment  With a land pol	I can use unfamiliar technology to create content.	''		•
The state of the s	I can improve the quality and presentation of my work			
Teacher's Handbook				
Autumn 2				
(Byte sized)				
First & Site Size New York Tarking Size State Size Size Size Size Size Size Size Siz	Information Technology:	Podcast		
News Reporter and Podcaster	I can record and produce a podcast / audio clips.	Safety		
El Bouring for Relating	I can use unfamiliar technology to create content.	Theme		
	I can improve the quality and presentation of my work	Online		
Teacher's Handbook	Digital Literacy:			
Autumn 2	I can access school email and can send emails to classmates and teacher.			
(Byte sized)				
A	• DL	Reputation	Identity	Profile
	I can search for someone online and create a summary report about that person.	Online Bullying Copyright	Trust Risks	Password Private
	<ul> <li>I understand the need for copyright and the consequences of ignoring it.</li> <li>I am aware that there are people online who may try to upset me and my group of friends. I make a</li> </ul>	Self Image	LISKS	rivate
MY ONLINE LIFE - TEACHER'S HANDBOOK	positive contribution to my online community.	Jen mage		
Spring 1	I understand the impact online bullying can have and I know what to do if I am the victim or I			
(Digital Literacy	witness online bullying.			
E-Safety)	I understand the impact technology can have on my health, well being and lifestyle.			
L Salety)	I can create a strong password and understand the real cost of some apps.			
Construction Notice	I am aware that my identity can be copied by other users and take appropriate			
STEAM Challenges & &	Mandatory Skills:	STEAM Dit 8 Dutos		
Girls versus Boys	<ul> <li>I can film and produce a short video.</li> <li>Computer Science:</li> </ul>	Bit & Bytes Cache		
The wall from and others the bary!  So that is really and the second of the bary!  So that is really and the bary of the bary	I can decompose a problem, design an algorithm and use this to write a program.	Peripheral		
Teacher's Handbook	<ul> <li>I can use logical reasoning to detect &amp; debug a program.</li> </ul>	Pixel		
Spring 2	Information Technology:	USB		
(Computer	I can use unfamiliar technology to create content.			
Science)				
Science)	<u> </u>			

Making AR Games Teachers Handbook  Summer 1 (Information Technology)	Mandatory Skills:  I can make a QR codes that links to my own work.  I can film and produce a short video. Information Technology:  I can use unfamiliar technology to create content.  I can improve the quality and presentation of my work.	Augmented Reality Download Artificial Reality QR Code Trigger Image		
Summer 2 (Computer Science)	Mandatory Skills:  I can make a QR codes that links to my own work.  I can film and produce a short video.  Computer Science:  I can explore networks and internet traffic.  I can create a basic web page using HTML.  Information Technology:  I can record and produce a podcast / audio clips.  I can use unfamiliar technology to create content.  I can improve the quality and presentation of my work.  I can use a search engine and I am aware that not everything I read online is correct.  Digital Literacy:  I can create a subject specific vlog and understand the potential risks of sharing content online.  I can collaborate to develop & improve work.	Streaming Vlog Bit & bytes IP address YouTuber Pixel	TCP/IP Bandwidth LAN ISP Services	HTML Infringe copyright Plagiarism Record Edit Upload

### **Year Six Overview:**

Unit of work	National Curriculum targets	Vocabulary (Full glossary at the bottom of the document)
Print Course \$11 - DESERVE AND STREET STREET, THE LANSING CRITICAL STREET, STR	Mandatory Skills:	Communicate
ONLINE SAFETY DILEMMAS	I can collaborate to create digital content.	Phishing
The right access district enterprises of the right access of the r	<ul> <li>I can create a consistent design for my presentation, and present to others.</li> </ul>	Exclusion
No. of the control of	Computer Science:	Storyboard
A Little Man Man 1	<ul> <li>I can talk about the way search results are selected and ranked.</li> </ul>	Shots
Autumn 1	Information Technology:	
(Digital Literacy)	<ul> <li>I can create a digital storyboard to plan a project or investigation.</li> </ul>	
	<ul> <li>I can use a search engine and I am aware that not everything I read online is</li> </ul>	
	correct and that other people may be attempting to influence my opinions.	
	Digital Literacy:	
	• I can explain how to protect my computer or device from harm on the Internet.	
	<ul> <li>I understand the need for copyright and the consequences of ignoring it.</li> </ul>	
	<ul> <li>I understand the impact technology can have on my health, well being and</li> </ul>	
	lifestyle.	
SOLVE IT CLUB	Mandatory Skills:	Collaboration
How to master mathematical thinking	I can collaborate to create digital content.	New Media
Marketing Marketing Control of the	<ul> <li>I can create a consistent design for my presentation, and present to others.</li> </ul>	Storyboard
Teacher's Handbook	Information Technology:	Screencast
Autumn 2	<ul> <li>I can create and combine a range of media in order to produce digital content.</li> </ul>	Feedback
	<ul> <li>I can improve the quality and presentation of my work using editing and</li> </ul>	
(Byte sized)	formatting techniques.	
	<ul> <li>I can create a digital storyboard to plan a project or investigation.</li> </ul>	
For E Min Star	Mandatory Skills:	Username
QUIZ SHOW HOST	I can collaborate to create digital content.	
Who has the big brains in close!  Go you peem that a lot yea!  Go you go you want that you had you go you go you go you go you you go you you go you you you you you you you you you yo	Information Technology:	
	<ul> <li>I can create and combine a range of media in order to produce digital content.</li> </ul>	
Autumn 2	<ul> <li>I can improve the quality and presentation of my work using editing and</li> </ul>	
	formatting techniques.	
(Byte sized)	<ul> <li>I can create a digital storyboard to plan a project or investigation</li> </ul>	
Year 6 - Digital Literacy	Information Technology:	Reputation
	<ul> <li>I can use a search engine and I am aware that not everything I read online is</li> </ul>	Online Bullying
(0)	correct and that other people may be attempting to influence my opinions.	Copyright
My Online Life -	Digital Literacy:	Self Image
Teacher's handbook	I can explain how to protect my computer or device from harm on the Internet.	Identity
Spring 1	<ul> <li>I understand the need for copyright and the consequences of ignoring it.</li> </ul>	Trust
(Digital Literacy	<ul> <li>I support my friends to protect themselves and make good choices online,</li> </ul>	Risks
E-Safety)	including reporting concerns to an adult.	Profile
	- · · -	FIUIIC

	I am aware of the ways in which the media can shape our ideas about gender.	Password		
	<ul> <li>I am aware that if I need help I keep asking for it until I get help.</li> </ul>	Private		
	<ul> <li>I am aware of the need for positive online relationships and I am mindful of</li> </ul>	Empathy		
	others feelings at all times			
	<ul> <li>I understand I need to create a positive online reputation.</li> </ul>			
	<ul> <li>I know how to capture evidence of online bullying and how to report it.</li> </ul>			
	<ul> <li>I know how to keep my data private and secure.</li> </ul>			
	I understand the impact technology can have on my health, well being and			
	lifestyle.			
Computer Science New Statistics	Mandatory Skills:	VR	MP3	Virtual world
VR WORLDS Let's build a fantasy world!	<ul> <li>I can create a consistent design for my presentation, and present to others.</li> </ul>	Server	Cloud	Story
What is 100. When the low of the most of t	Computer Science:	Visual coding	Password	Мар
	<ul> <li>I understand how computer networks work, including the internet.</li> </ul>	Z-Axis		,
Ieacher's Handbook	Information Technology:			
Spring 2	<ul> <li>I can create and combine a range of media in order to produce digital content.</li> </ul>			
(Computer	<ul> <li>I can improve the quality and presentation of my work using editing and</li> </ul>			
Science)	formatting techniques.			
	<ul> <li>I can create a digital storyboard to plan a project or investigation.</li> </ul>			
Computer Extends	Computer Science:	Coding	Command	Variable
Chicken Run Based on the Cristal Road app	<ul> <li>I can design, plan &amp; create a complex programs.</li> </ul>	Decompose	Loop	Publish
	<ul> <li>I can test, debug and modify a program to improve it.</li> </ul>	·	·	
Tencharia Marelhook	<ul> <li>I can write a program using a text based programming language.</li> </ul>			
Summer 1				
(Computer				
Science)				
Computer Science New GASSARY	Computer Science:	Арр	Cloud	Bugs
Coding Playground	<ul> <li>I can test, debug and modify a program to improve it.</li> </ul>	Developers	Prototypes	Feedback
SATE SET AND	I can write a program using a text based programming language.	Visual coding	Logo	Functions
Others and the absolution frame or they fromted "New the control of the control of the control of the control of the control of the control of processing, the charge of the control of the control of the control of product control of the control of the control of the control of product control of the control of the control of the control of product control of the control of the control of the control of the control of the control of	I can use logical reasoning to detect and correct errors in algorithms and	Android	Design	Commands
Teacher's Handbook	programs.	Mobile	Content	For loop
Summer 2	k0		Content	rui iuup
(Computer		Program		
Science)				

### **Computing Vocabulary**

## **Primary Computing Scheme of Work**

Inspire a lifelong love of play, design, code, and invention with technology







### Abstraction

Taking the detail out of a 'problem' to make it easier to solve.

### Adware

Software application which displays adverts and can redirect searches.

### Algorithm

Steps to follow to achieve a task.

### Application (App)

A program (such as a word processor or a spreadsheet) that performs one of the important tasks for which a computer is used



### Bandwidth

The amount of data that can fit through an Internet connection.

### Block

An instruction in Scratch. Blocks linked together are called a script or program in Scratch. Also to block someone from contacting a user on a social media account for example.

### Blog/Blogging

Short for 'web log', a shared online journal or diary. Normally a webpage containing users' opinions/experiences/observations.

### Bluetooth

Allows the exchange of data over short distances from devices.

### **Boolean**

A variable whose value can only be true or false.

### Bot

A program that can do things without a user needing to give instructions. Many bots are malware.

### **Browser**

A computer program used to access the World Wide Web.



A region on which you can draw lines, shapes or text.

### Catfishing

This is where someone steals your photos and uses them as their own, usually in a bid to meet other people on the internet or to trick or fool someone.

### CEOP

Child Exploitation and Online Protection Command is tasked to bring offenders to UK Courts.

### Checksum

The total number of packets sent to/from a router.

### Circumventor Sites

Parallel websites that allow children to bypass sites their adults have blocked.

### Cloud computing

A system in which data is stored on a central server owned by a company (e.g. Google) and accessed virtually.

### Code

Lines or blocks of instructions (see program).

A device that takes input, processes it, then produces output.

### Computer networks

Connected devices that make it possible to transfer data using an agreed method ('protocol').

### Costume

In Scratch, the costume is what a sprite can look like on screen.

A step or line of programming (instruction for younger children).

### **Computational Thinking**

An analytical approach to 'problem' solving (involving abstraction, decomposition, logical thinking, pattern, evaluation, generalisation)

### Condition

Something that is either true or false

A small file which records a user's personal preferences, shopping choices and other information.

Gives the creator of an original work ownership rights.

Someone who follows someone else's social network profile closely.

### Cyberbullying

The use of electronic communication to bully someone.

### **Computing Vocabulary**

# **Primary Computing Scheme of Work**

Inspire a lifelong love of play, design, code, and invention with technology.



### Data

Numbers that represent images, video, text and sound.

### Debug

Finding and correcting errors.

### Decomposition

Splitting things into smaller parts.

### Decoy App

These apps help children hide videos/images from their parents.

### **Digital Footprint**

A person's trail of data on the internet that can last indefinitely.

### Digital content

Any media created, edited or viewed on a computer.

### Dissing

The act of commenting on a status with single liners that insult a specific person.

### Download

Transfer of a file, from a central computer to your computer.

### Doxxina

The publishing of an individual's home address or bank details etc.



### Ebook / ePub

Digital book format file.

### Emoticon / Emoji

The use of icons or text to portray mood or facial expression, e.g.:) when happy and: (when sad.

### Etiquette

A set of rules that people try to abide by out of respect for other people around them.

### Evaluation

Is this 'good'? Can it be improved?

### **Exclusion**

This occurs when an individual is passively ignored or actively rejected by others, and can occur face-to-face (offline) or via the Internet (online).

### Execute

Run or follow a series of instructions in a program.



### **Fabotage**

Accessing someone else's social media account without their knowledge and changing information on it.

### File format

The particular code that a file is stored in. Different software and devices use different formats, e.g. video uses MP4 and audio use Mp3.

### Firewall

A system designed to prevent unauthorised access to your computer when connected to a network such as the Internet.

### Flaming

Flaming is the act of posting or sending offensive messages over the Internet. These messages, called "flames," may be posted within online discussion forums, or sent via instant messaging programs.

### Fraping

This is a combination of 'Facebook' and 'rape' and it is when someone has used your Facebook account without permission and destroyed comments or pictures, or created new and offensive comments and pictures pretending to be you.

### FTP

File Transfer Protocol. A service for moving files from one computer to another.



